



E ELEKTRO
K KALORI

In collaboration for perfection

55+ YEARS

**ELEKTRO
KALORI
2022
PRODUCT
CATALOG**

Dear Customer,

With its young, dynamic and organized staff, Elektro-Kalori offers products of many global leading brands , provides fast and on time delivery from its extensive stock and boasts an online market which responds to demands in a faster and easier way in the digitalized world and plays a significant role not only in domestic but also in global markets.

Trusting our vast experience and knowledge in the heating industry and with our well-established and recognized principles and values, we want to add a new service to the wide range of services we already provide to you.

Therefore we have prepared our Product Catalogue which includes Fuel Products, Natural Gas and Boiler Spare Parts, Technical Materials, Building and Industrial Automation Products as well as detailed technical information.

We believe that our Elektro-Kalori Product Catalogue will provide answers to many questions in the market and we wish you the best in your business endeavour.

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Content

01

OIL

Controller, Photocells, Damper Actuators, Oil Burner Pumps
Oil Burner Nozzles, Solenoid Valves, Measuring Instruments
Ignition Transformers, Ignition Electrodes, Heating Elements
Oil Filters, Oil Hoses, Burner Spare Parts



02

NATURAL GAS

Controllers, Photocells, Damper Actuators, Gas valve actuators,
Gas valves, Multiblocks, Valve Proving Systems, Pressure
Switches, Gas Regulators, LPG Regulators, Gas Filters,
Measuring Instruments, Gas Leakage Controllers, Ignition
Transformers, Ignition Electrode



WALLHUNG BOILER SPARE PARTS

Pressure Switches, Level Sensors, Level Switches
Level Sensors, Pressure Sensors, Blowers, Heating exchangers



03

TECNICAL EQUIPMENTS

Safety Valves, Air vents, Thermal Safety Drain Valves
Mixing Valves, Pressure Reducers, Filling Groups, Thermostats
Heating Elements, Pressure Switch, Level Switches
Teflonbants, Measuring Instruments



04

BUILDING AUTOMATION DEVICES

Synco Controllers, Albatros Controllers, Acvatix Valve actuators
Thermostats, Symaro Sensors, Openair Damper Actuators
Variable Speed Driver, Heatmeter, Water Meter



INDUSTRIAL AUTOMATION DEVICES

Pressure Controllers, Temperature Controllers, Solenoid Valves
Thermostatic Valves, Pneumatic Control Valves
Pressure Transmitters, Temperature Sensors





OIL BURNER

CONTROLLERS

SIEMENS

BURNER CONTROLLER



Model	Description	Poz Nr.
LOA24.171B27	<ul style="list-style-type: none"> • Standart Version • Safety Time (TSA):10 s. • Prepurge Time (t1):13 s. 	1010001

Description: Oil Burner Control for supervision, startup and control of 1-or2- stage forced draft oil burners in intermittent operation

BURNER CONTROLLER



Model	Description	Poz Nr.
LMO14.111C2	<ul style="list-style-type: none"> • Standard Version • 1-Stage • Safety Time (TSA):10 s. • Prepurge Time (t1):15 s. 	1010004
LMO14.113C2	<ul style="list-style-type: none"> • Standard Version • 1-Stage • Safety Time (TSA):10 s. • Prepurge Time (t1):15 s. 	1010005
LMO24.111C2	<ul style="list-style-type: none"> • Standard Version • 2- Stage • Safety Time (TSA):10 s. • Prepurge Time (t1):15 s. 	1010006
LMO24.255C2	<ul style="list-style-type: none"> • Direct fire Air Heaters • 2 - Stage • Safety Time (TSA):5 s. • Prepurge Time (t1):25 s. 	1010007
LMO24.011C2	<ul style="list-style-type: none"> • Flash-Steam Generator, 2-Stage • Safety time(TSA): 10s. • Prepurge time(t1): 5s. 	1010008
LMO44.255C2	<ul style="list-style-type: none"> • Direct fire air heaters • 2-Stage • Safety time(TSA):5s. • Prepurge time(t1): 25s. 	1010009

Description: Microcontroller-based oil burner controls for the startup, supervision and control of forced draft oil burners in intermittent operation. Standard versions with an oil throughput up to 30 kg / h, special versions above 30 kg / h.

BURNER CONTROLLER



Model	Description	Poz Nr.
LAL1.25	<ul style="list-style-type: none"> • 220 V Yellow and Blue-flame burners without Air Pressuer Supervision • Safety time(TSA):5s. • Prepurge Time(t1): 22,5s. 	1010010
LAL2.25	<ul style="list-style-type: none"> • 220 V. Yellow-flame burners with Air Pressuer Supervision • Safety time(TSA):5s. • Prepurge Time(t1): 22,5s. 	1010011
LAL2.14	<ul style="list-style-type: none"> • 220V. Flash-Steam Generators • Safety Time(TSA):4s. • Prepurge Time(t1):10s. 	1010012
LAL2.65	<ul style="list-style-type: none"> • 220 V. Medium or Heavy Oil Burners • Safety Time(TSA):5s. • Prepurge Time(t1):66,5s. 	1010013
LAL3.25	<ul style="list-style-type: none"> • 220V. Special applications such as incinerator plants. • Safety Time(TSA):5s. • Prepurge Time(t1):22,5s. 	1010014

Description: For Burner of medium to high capacity(<30Kg/h), for intermittent operation, can be universaly used with multistage&modulating burners

BURNER CONTROLLER



Model	Description	Poz Nr.
LOK16.140A27	<ul style="list-style-type: none"> • 220V. Flash-Steam Generators • Safety Time(TSA):4s. • Prepurge Time(t1):10s. 	1010015
LOK16.250A27	<ul style="list-style-type: none"> • 220V. Universal Aplication • Safety Time(TSA):5s. • Prepurge Time(t1):22s. 	1010016
LOK16.650A27	<ul style="list-style-type: none"> • 220V. Medium- or heavy-oil burners • Safety Time(TSA):5sn. • Prepurge Time(t1): 66s. 	1010017

Description: For continuously operating oil, gas or multistage or modulating burners of medium to high capacity(<30Kg/h)



CONTROLLERS

Honeywell

BURNER CONTROLLER



Model	Description	Poz Nr.
02231U TF830.3	<ul style="list-style-type: none"> • 230 V 1-Stage • Without air pressure supervision • Safety time(Ts):10s. • Prepurge Time(Tv1): 12s. 	1060001
02431U TF832.3	<ul style="list-style-type: none"> • 230 V 2-Stage • With Air Pressure Supervision • Safety time(Ts):10s. • Prepurge Time(Tv1): 12s. 	1060002
02526U TF976	<ul style="list-style-type: none"> • 230 V 2-Stage • Without air pressure supervision • Safety time(Ts):10s. • Prepurge Time(Tv1): 12s. 	1060003
0422005U DKW972	<ul style="list-style-type: none"> • 230 V 2-Stage • Direct fire air heaters • Without preheater • Safety time(Ts):5s. • Prepurge Time(Tv1): 20s. 	1060005

Description: Oil Burner Control for supervision, startup and control of 1-or2- stage forced draft oil burners in intermittent operation

BURNER CONTROLLER



Model	Description	Poz Nr.
75300	• Plug-in Base for TF/TFI	2060013
75320	• Plug-in Base for TF976	2060014
75310	• Plug-in Base for DMG, DGW VE MMI	2060015
70502	• Cable gland holder	2060017

Description : Connection Accessories for Burner Controls

CONTROLLERS

SIEMENS

CONNECTION ACCESSORIES FOR BURNER CONTROLS



Model	Description	Poz Nr.
AGK11	• Plug-in Base for LOA/LMO/LGB/LME	2010044
AGK65	• Cable gland holder for AGK11	2010045
AGM410490550	• Plug-in Base for LAL/LFL	2010046

Description: Connection Accessories for Burner Controls

FLAME SAFEGUARD



Model	Description	Poz Nr.
LFS1.11A2	• 220V. Flame Safeguard for continuous operation Oil Burners with RAR9...	1010021

Description: Flame safeguard with approval for continuous operation for the supervision of oil flames and gas flames in applications with an ionization probe and a photocell detector RAR9, for intermittent operating mode with UV flame detectors QRA2 /QRA4 / QRA10.



OIL BURNER

PHOTOCELLS

SIEMENS

PHOTO RESISTIVE FLAME DEDECTORS FOR OIL BURNERS



Model	Description	Poz Nr.
QRB1A-A068B70B	<ul style="list-style-type: none"> • Photo resistive • Flame Detectors for LAL/LOA/LMO 	1010022
QRB1A-A070B70A1	<ul style="list-style-type: none"> • Photo resistive Flame Detectors • For LAL/LOA/LMO • with Flange Connection 	1010023
QRB3	<ul style="list-style-type: none"> • Photo resistive Flame Detectors • With metal dedector tube • For LAL/LOA/LMO 	1010024

SILICON PHOTOCELL FOR LARGE CAPACITY BURNERS



Model	Description	Poz Nr.
RAR9	<ul style="list-style-type: none"> • Silicon Photocell • for LAL/LAE/LOK16/LAE10 	1010025

PHOTO RESISTIVE FLAME DEDECTORS FOR OIL BURNERS



Model	Description	Poz Nr.
MZ770/S (without cable)	<ul style="list-style-type: none"> • Photo resistive Flame Detectors for TF/TFI TF/TFI 	1060007

INFRARED FLAME



Model	Description	Poz Nr.
16503U 1010.1	<ul style="list-style-type: none"> • Infrared Flame 	1060008

Honeywell

ACCESORIES



Model	Description	Poz Nr.
	<ul style="list-style-type: none"> • Cable for IRD photocell 	2060020
700250160	<ul style="list-style-type: none"> • Magnet cable for IRD1020 	2060021
7225001	<ul style="list-style-type: none"> • Cable for MZ770/S 	1060010

Description: Accessories

AIR DAMPER ACTUATORS FOR BURNERS
CONECTRON AIR DAMPER ACTUATORS


Model	Description	Poz Nr.
LKS 78-160-39U	<ul style="list-style-type: none"> • 220 V-50Hz. • 5 s/90° • Torque: 2,5Nm 	1150001
LKS 78-160-20U	<ul style="list-style-type: none"> • 220 V - 50Hz. • 5 s/90° • Torque: 1,5Nm 	1150002
LKS 78-160-52U	<ul style="list-style-type: none"> • 220 V -50Hz. • 8 s/90° • Torque: 3Nm 	1150003

CONECTRON AIR DAMPER ACTUATORS


Model	Description	Poz Nr.
LKS 78-160-50U	<ul style="list-style-type: none"> • 220 V 50Hz. • 12 s/90° • Torque: 1,5Nm 	1150004
LKS 78-130-10U	<ul style="list-style-type: none"> • 220 V - 50Hz. • 5 s/90° • Torque: 0,75Nm 	1150005
LKS 78-210-10U	<ul style="list-style-type: none"> • 220 V 50Hz. • 5 s/90° • Torque: 1,5Nm 	1150006

SIEMENS
COUNTER CLOCKWISE ROTATION


Model	Description	Poz Nr.
SQN30.111A2700	• 220 V.Number of relay:1	2010125
SQN30.111A3500	• 220 V.Number of relay:1	2010126
SQN30.121A2700	• 220 V.Number of relay:1	2010127
SQN30.121A3500	• 220 V.Number of relay:1	2010128
SQN30.151A2700	• 220 V.Number of relay:1	2010129

Description: 2- stage, on-off, 90°:4,5 s. Operation Torque:1 Nm.
Holding Torque: 0,8 Nm.

COUNTER CLOCKWISE ROTATION


Model	Description	Poz Nr.
SQN30.251A2700	• 220 V.Number of relay:2	2010130

Açıklama: 2- stage, 90°: 12s. Operation Torque:1,8 Nm.
Holding Torque: 1,8 Nm.



OIL BURNER

SIEMENS**AIR DAMPER ACTUATORS FOR BURNERS****COUNTER CLOCKWISE ROTATION**

Model	Description	Poz Nr.
SQN30.401A2700	• 220 V Number of Relay:0	2010131
SQN30.401A2730	• 220 V Number of Relay:0	2010132
SQN30.402A2700	• 220 V Number of Relay:0	2010133
SQN30.402A2730	• 220 V Number of Relay:0	2010134
SQN30.451A2700	• 220 V Number of Relay:0	2010135

Description: 2- stage, 90°: 30s. Operation Torque:1,8 Nm.
Holding Torque: 1,8 Nm.

CLOCKWISE ROTATION

Model	Description	Poz Nr.
SQN31.401A2700	• 220 V Number of Relay:0	2010146
SQN31.401A2730	• 220 V Number of Relay:0	2010147
SQN31.401A2760	• 220 V Number of Relay:0	2010148
SQN31.411A2700	• 220 V Number of Relay:1	2010149
SQN31.402A2700	• 220 V Number of Relay:0	2010150
SQN31.402A2730	• 220 V Number of Relay:1	2010151

Description: 2- stage, 90°: 30s. Operation Torque:3 Nm.
Holding Torque: 3 Nm.

CLOCKWISE ROTATION

Model	Description	Poz Nr.
SQN31.101A2700	• 220 V Number of Relay:0	2010136
SQN31.111A2700	• 220 V Number of Relay:1	2010137
SQN31.121A2700	• 220 V Number of Relay:2	2010138
SQN31.121A2730	• 220 V Number of Relay:2	2010139
SQN31.121A2760	• 220 V Number of Relay:2	2010140
SQN31.151A2700	• 220 V Number of Relay:2	2010141
SQN31.151A2730	• 220 V Number of Relay:2	2010142

Description: 2- stage, on-off, 90°:4,5 s. Operation Torque:1 Nm.
Holding Torque: 0,8 Nm.

CLOCKWISE ROTATION

Model	Description	Poz Nr.
SQN31.762A2700	• 220 V Number of Relay:2	2010152

Description: Proportional, 90°: 23s. Operation Torque:2,5 Nm.
Holding Torque: 2,5 Nm.

CLOCKWISE ROTATION

Model	Description	Poz Nr.
SQN31.221A2700	• 220 V Number of Relay:2	2010143
SQN31.251A2700	• 220 V Number of Relay:2	2010144
SQN31.251A2730	• 220 V Number of Relay:2	2010145

Description: 2- stage, 90°: 12s. Operation Torque:1,8 Nm.
Holding Torque: 1,8 Nm.

COUNTER CLOCKWISE ROTATION

Model	Description	Poz Nr.
SQN70.224A20	• 220 V Number of Relay:2	2010153
SQN70.244A20	• 220 V Number of Relay:3	2010154
SQN70.254A20	• 220 V Number of Relay:3	2010155
SQN70.264A20	• 220 V Number of Relay:0	2010156

Description: 2- stage, On-Off, 90°: 34s. Operation Torque:1,5 Nm.
Holding Torque: 0,7 Nm.

AIR DAMPER ACTUATORS FOR BURNERS
COUNTER CLOCKWISE ROTATION


Model	Description	Poz Nr.
SQN70.324A20	• 220 V Number of Relay:2	2010157

Description: 2- stage, On-Off, 90°: 34s. Nominal Torque: 1,5Nm. Holding Torque: 0,7Nm.

COUNTER CLOCKWISE ROTATION


Model	Description	Poz Nr.
SQN70.424A20	• 220 V Number of Relay:2	2010158
SQN70.454A20	• 220 V Number of Relay:3	2010159
SQN70.464A20	• 220 V Number of Relay:0	2010160
SQN70.464A23	• 220 V Number of Relay:0	2010161

Description: 2-Stage, On-Off, 90°: 12s. Nominal Torque: 2,5Nm. Holding Torque: 1,2Nm.

COUNTER CLOCKWISE ROTATION


Model	Description	Poz Nr.
SQN70.664A20	• 220 V Number of Relay:0	2010162
SQN70.664A23	• 220 V Number of Relay:0	2010163
SQN70.624A20	• 220V Number of Relay:2	2010164
SQN70.694A20	• 220V Number of Relay:1	2010165

Description: Proportional, 90°: 30s. Nominal Torque: 2,5Nm. Holding Torque: 1,3Nm.

CLOCKWISE ROTATION


Model	Description	Poz Nr.
SQN71.244A20	• 220 V Number of Relay:2	2010166
SQN71.264A20	• 220 V Number of Relay:0	2010167

Description: 2-Stage, On-Off, 90°: 4s. Nominal Torque: 1,5Nm. Holding Torque: 0,7Nm.

CLOCKWISE ROTATION


Model	Description	Poz Nr.
SQN71.424A20	• 220 V Number of Relay:2	2010168
SQN71.464A21	• 220 V Number of Relay:0	2010169

Description: 2-Stage, On-Off, 90°: 12s. Nominal Torque: 2,5Nm. Holding Torque: 1,2Nm.

CLOCKWISE ROTATION


Model	Description	Poz Nr.
SQN71.664A20	• 220 V Number of Relay:0	2010170
SQN71.669A23	• 220 V Number of Relay:0	2010171

Description: Proportional, 90°: 30s. Nominal Torque: 2,5Nm. Holding Torque: 1,3Nm.

COUNTER CLOCKWISE ROTATION


Model	Description	Poz Nr.
SQN74.254A21	• 220 V Number of Relay:3	2010172
SQN74.294A21	• 220 V Number of Relay:1	2010173

Description: 2-Stage, On-Off, 90°: 4s. Nominal Torque: 1,5Nm. Holding Torque: 0,7Nm.



OIL BURNER

AIR DAMPER ACTUATORS FOR BURNERS

SIEMENS

CLOCKWISE ROTATION



Model	Description	Poz Nr.
SQN75.224A21	• 220 V Number of Relay:2	2010174
SQN75.244A21	• 220 V Number of Relay:3	2010175

Description: 2-Stage, On-Off, 90°: 4s. Nominal Torque: 1,5Nm. Holding Torque: 0,7Nm.

CLOCKWISE ROTATION



Model	Description	Poz Nr.
SQN75.424A21	• 220 V Number of Relay:2	2010176
SQN75.494A21	• 220 V Number of Relay:1	2010177

Description: 2-Stage, On-Off, 90°: 12s. Nominal Torque: 1,5Nm. Holding Torque: 0,7Nm.

CLOCKWISE ROTATION



Model	Description	Poz Nr.
SQN75.664A26	• 220V. Number of Relay:0	2010178
SQN75.694A21	• 220V.Number of Relay:1	2010179

Description: Proportional, 90°: 12s. Nominal Torque: 1,5Nm. Holding Torque: 0,7Nm.

COUNTER CLOCKWISE ROTATION



Model	Description	Poz Nr.
SQN90.204A2799	• 220V. Number of Relay:0	2010180
SQN90.220A2799	• 220V. Number of Relay:0	2010181
SQN90.240B2799	• 220V. Number of Relay:0	2010182

Description: Proportional, On-Off, 90°: 12s. Nominal Torque: 2,4Nm.

CLOCKWISE ROTATION



Model	Description	Poz Nr.
SQN90.350A2799	• 220V. Number of Relay:0	2010183

Description: Proportional, On-Off, 90°:10 sn. Nominal Torque:2 Nm.

CLOCKWISE ROTATION



Model	Description	Poz Nr.
SQN91.140B2799	• 220V. Number of Relay:0	2010184

Description: Proportional, On-Off, 90°:4sn. Nominal Torque:0,8 Nm.

COUNTER CLOCKWISE ROTATION



Model	Description	Poz Nr.
SQM10.15502	• 220V • Running Time: 90°:14 sn. 130°:20 sn. • Number of auxiliary switches:5	2010185
SQM10.16502	• 220V • Running Time:90°:29 s. 130°:42 s. • Number of auxiliary switches:5	2010186
SQM10.16532	• 220V • Running Time:90°:29 sn. 130°:42 sn. • Number of auxiliary switches:5	2010187
SQM10.16562	• 220V • Running Time: 90°:29 sn. 130°:42 sn • Number of auxiliary switches:5	2010188

Description: Counterclockwise Rotation, Proportional, Nominal Torque: 10Nm. Holding Torque: 4Nm.

AIR DAMPER ACTUATORS FOR BURNERS
COUNTER CLOCKWISE ROTATION


Model	Description	Poz Nr.
SQM20.18502	<ul style="list-style-type: none"> • 220 V • Running Time:90°:45 sn. 130°:66 sn • Number of auxiliary:5 	2010189
Description: Counterclockwise Rotation, Proportional, Nominal Torque: 20Nm. Holding Torque: 12Nm.		

CLOCKWISE ROTATION


Model	Description	Poz Nr.
SQM21.18502	<ul style="list-style-type: none"> • 220V. • Running Time:90°:45 sn. 130°:66 sn • Number of auxiliary:5 	2010190
Description: Clockwise Rotation, Proportional, Nominal Torque: 20Nm. Holding Torque: 12Nm.		

CLOCKWISE ROTATION


Model	Description	Poz Nr.
SQM41.141A21	<ul style="list-style-type: none"> • 220V. • PCB:4-20mA • 2-10 Volt • Torque: 5 Nm/15 sn. 	2010191
SQM41.241A21	<ul style="list-style-type: none"> • 220V. • PCB:4-20mA • 2-10 Volt • Torque: 10 Nm/30 sn. 	2010192
SQM41.261A21	<ul style="list-style-type: none"> • 220V. • PCB:4-20mA • 2-10 Volt • Torque: 10 Nm/30 sn. 	2010193
Description: Clockwise Rotation, Proportional		

COUNTER CLOCKWISE ROTATION


Model	Description	Poz Nr.
SQM40.141A21	<ul style="list-style-type: none"> • 220 V • PCB:4-20mA • 2-10 Volt • Torque: 5 Nm/15 sn. 	2010194
SQM40.161A20	<ul style="list-style-type: none"> • 220 V • PCB:3p • 2-10 Volt • Torque: 5 Nm/15 sn. 	2010195
SQM40.241A21	<ul style="list-style-type: none"> • 220 V • PCB:4-20mA • 2-10 Volt • Torque: 10 Nm/30 sn. 	2010196
SQM40.245A21	<ul style="list-style-type: none"> • 220 V • PCB:4-20mA • 2-10 Volt • Torque:10 Nm/30 sn. 	2010197
SQM40.265A20	<ul style="list-style-type: none"> • 220 V • PCB:3p • 2-10 Volt • Torque: 10 Nm/30 sn. 	2010198
SQM40.265A21	<ul style="list-style-type: none"> • 220 V • PCB:3p • Torque: 10 Nm/30 sn. • Number of Potentiometer:1 	2010199
Description: Counterclockwise Rotation, Proportional		

REVERSIBLE ROTATION


Model	Description	Poz Nr.
SQM50.481A2	<ul style="list-style-type: none"> • 220 V • Running Time:90°:34 sn. 130°:49 sn • Number of Auxiliary switch:8 	2010200
SQM50.482A2	<ul style="list-style-type: none"> • 220 V • Running Time:90°:34 sn. 130°:49 sn • Number of Auxiliary switch:8 	2010201
Description: Reversible Rotation, Proportional, Holding Torque: 15Nm.		



OIL BURNER

AIR DAMPER ACTUATORS FOR BURNERS

SIEMENS

POTENTIOMETERS



Model	Description	Poz Nr.
ASZ16.703	<ul style="list-style-type: none"> • Single Potentiometer • Angular Rotation:90° • Resistance: 135 Ω 	2010202
ASZ8.703	<ul style="list-style-type: none"> • Single Potentiometer • Angular Rotation:90° • Resistance: 220 Ω 	2010203
ASZ12.703	<ul style="list-style-type: none"> • Single Potentiometer • Angular Rotation:90° • Resistance: 1000 Ω 	2010204
ASZ16.733	<ul style="list-style-type: none"> • Single Potentiometer • Angular Rotation:135° • Resistance: 135 Ω 	2010205
ASZ8.733	<ul style="list-style-type: none"> • Single Potentiometer • Angular Rotation:135° • Resistance: 220 Ω 	2010206
ASZ12.733	<ul style="list-style-type: none"> • Single Potentiometer • Angular Rotation: 135° • Resistance: 1000 Ω 	2010207
ASZ66.703	<ul style="list-style-type: none"> • Double Potentiometer • Angular Rotation:90° • Resistance: 135/135 Ω 	2010208
ASZ22.703	<ul style="list-style-type: none"> • Double Potentiometer • Angular Rotation:90° • Resistance: 1000/1000 Ω 	2010209
ASZ88.733	<ul style="list-style-type: none"> • Double Potentiometer • Angular Rotation:90° • Resistance: 220/220 Ω 	2010210

Description: Potentiometers for Air Damper Actuators, Wire. For: SQN3..SQN9..SQM1..SQM2..SQM5..

POTENTIOMETERS



Model	Description	Poz Nr.
ASZ12.803	<ul style="list-style-type: none"> • Single Potentiometer • Angular Rotation:90° • Resistance: 1000 Ω 	2010211
ASZ12.833	<ul style="list-style-type: none"> • Single Potentiometer • Angular Rotation:135° • Resistance: 1000 Ω 	2010212
ASZ22.803	<ul style="list-style-type: none"> • Double Potentiometer • Angular Rotation:90° • Resistance: 1000 /1000 Ω 	2010213
ASZ22.833	<ul style="list-style-type: none"> • Double Potentiometer • Angular Rotation:135° • Resistance: 1000 /1000 Ω 	2010214

Description: Potentiometers for Air Damper Actuators, Conductive Plastic. For: SQN3..SQN4..SQN9..SQM1..SQM2..SQM5..

POTENTIOMETERS



Model	Description	Poz Nr.
ASZ12.30	<ul style="list-style-type: none"> • Single Potentiometer • Angular Rotation:90° • Resistance:: 1000 Ω 	2010215
ASZ12.33	<ul style="list-style-type: none"> • Single Potentiometer • Angular Rotation:135° • Resistance: 1000 Ω 	2010216
ASZ22.30	<ul style="list-style-type: none"> • Double Potentiometer • Angular Rotation:90° • Resistance: 1000 Ω/1000 Ω 	2010217
ASZ22.33	<ul style="list-style-type: none"> • Double Potentiometer • Angular Rotation:135° • Resistance: 1000 Ω/1000 Ω 	2010218

Description : Potentiometers for Air Damper Actuators, Conductive Plastic. For: SQN7..SQM1..SQM2..SQM5..

OIL BURNER PUMPS



HEAVY-OIL BURNER PUMPS



Model	Description	Poz Nr.
E4 NC 10016P	<ul style="list-style-type: none"> Min/Max Pressure:14/30 Bar Min/Max Capacity: 180/170 Lt/h (Viscosity: 20cSt) Connection:F54 mm. 	1070001
E6 NC 10016P	<ul style="list-style-type: none"> Min/Max Pressure:14/30 Bar Min/Max Capacity: 270/260 Lt/h (Viscosity: 20cSt) Connection:F54 mm. 	1070002
E7 NC 10015P	<ul style="list-style-type: none"> Min/Max Pressure:14/30 Bar Min/Max Capacity: 360/340 Lt/h (Viscosity: 20cSt) Connection:F54 mm. 	1070003
D67 C 72843P	<ul style="list-style-type: none"> Min/Max Pressure:10/28 Bar Min/Max Capacity: 97/90 Lt/h (Viscosity: 20cSt) Connection:Hub54 mm. 	1070004
D57 C 72733P	<ul style="list-style-type: none"> Min/Max Pressure:10/28 Bar Min/Max Capacity: 73/66 Lt/h (Viscosity: 20cSt) Connection:Hub54 mm. 	1070005
D45 C 72813P	<ul style="list-style-type: none"> Min/Max Pressure:10/28 Bar Min/Max Capacity: 47/29 Lt/h (Viscosity: 20cSt) Connection:Hub54 mm. 	1070006

Description : 2800 Rpm, Shaft Rotation (Seen from shaft end): Counterclockwise

HEAVY-OIL BURNER PUMPS



Model	Description	Poz Nr.
E4 NA 10016P	<ul style="list-style-type: none"> Min/Max Pressure:14/30 Bar Min/Max Capacity: 180/170 Lt/h (Viscosity: 20cSt) Connection:F54 mm. 	1070007
E6 NA 10016P	<ul style="list-style-type: none"> Min/Max Pressure:14/30 Bar Min/Max Capacity: 270/260 Lt/h (Viscosity: 20cSt) Connection:F54 mm. 	1070008
E7 NA 10015P	<ul style="list-style-type: none"> Min/Max Pressure:14/30 Bar Min/Max Capacity: 360/340 Lt/h (Viscosity: 20cSt) Connection:F54 mm. 	1070009
D67 A 72763P	<ul style="list-style-type: none"> Min/Max Pressure:10/28 Bar Min/Max Capacity: 97/90 Lt/h (Viscosity: 20cSt) Connection:Hub54 mm. 	1070010
D57 A 72713P	<ul style="list-style-type: none"> Min/Max Pressure:10/28 Bar Min/Max Capacity: 73/66 Lt/h (Viscosity: 20cSt) Connection:Hub54 mm. 	1070011

Description : 2800 Rpm, Shaft Rotation (Seen from shaft end): Clockwise

HEAVY-OIL BURNER PUMPS



Model	Description	Poz Nr.
TA 2C 40107	<ul style="list-style-type: none"> Min/Max Pressure:7/40 Bar Min/Max Capacity: 520/490 Lt/h (Viscosity: 20cSt) Connection:F54 mm. 	1070012
TA 3C 40107	<ul style="list-style-type: none"> Min/Max Pressure:7/40 Bar Min/Max Capacity: 790/750 Lt/h (Viscosity: 20cSt) Connection:F54 mm. 	1070013
TA 4C 40107	<ul style="list-style-type: none"> Min/Max Pressure:7/40 Bar Min/Max Capacity: 1050/970 Lt/h (Viscosity: 20cSt) Connection:F54 mm. 	1070014
TA 5C 30107	<ul style="list-style-type: none"> Min/Max Pressure:7/30 Bar Min/Max Capacity: 1380/1330 Lt/h (Viscosity: 20cSt) Connection: F54 mm. 	1070015

Description : 2800 Rpm, Shaft Rotation (Seen from shaft end): Counterclockwise



OIL BURNER

OIL BURNER PUMPS



LIGHT-OIL PUMPS



Model	Description	Poz Nr.
J4 CCC 10005P	<ul style="list-style-type: none"> Min/Max Pressure:10/21 Bar Min/Max Capacity: 170/140 Lt/h (Viscosity: 20cSt) Connection:F54 mm. 	1070016
J6 CCC 10015P	<ul style="list-style-type: none"> Min/Max Pressure:10/21 Bar Min/Max Capacity: 260/240 Lt/h (Viscosity: 20cSt) Connection:F54 mm. 	1070017
J7 CCC 10015P	<ul style="list-style-type: none"> Min/Max Pressure:10/21 Bar Min/Max Capacity: 340/280 Lt/h (Viscosity: 20cSt) Connection:F54 mm. 	1070018
AJ4 CC 10003P	<ul style="list-style-type: none"> Min/Max Pressure:10/20 Bar Min/Max Capacity: 180/160 Lt/h (Viscosity: 20cSt) Connection:F54 mm. 	1070019
AJ6 CC 10003P	<ul style="list-style-type: none"> Min/Max Pressure:10/20 Bar Min/Max Capacity: 270/250 Lt/h (Viscosity: 20cSt) Connection:F54 mm. 	1070020

Description: 2800 Rpm, Shaft Rotation (Seen from shaft end): Counterclockwise

LIGHT-OIL PUMPS



Model	Description	Poz Nr.
AS67 C 74563P	<ul style="list-style-type: none"> Min/Max Pressure:10/15 Bar Min/Max Capacity:82/73 Lt/h (Viscosity: 5cSt) Connection:Hub54 mm. 	1070021
AS57 C 74414P	<ul style="list-style-type: none"> Min/Max Pressure:7/14 Bar Min/Max Capacity:63/50 Lt/h (Viscosity: 5cSt) Connection:Hub54 mm. 	1070022
AP57 C 74433P	<ul style="list-style-type: none"> Min/Max Pressure:10/28 Bar Min/Max Capacity:57/24 Lt/h (Viscosity: 5cSt) Connection:Hub54 mm. 	1070023
AN67 C 72423P	<ul style="list-style-type: none"> Min/Max Pressure:10/20 Bar Min/Max Capacity:80/60 Lt/h (Viskosite: 5cSt) Connection:Hub54 mm. 	1070024
AS47 C 15386P	<ul style="list-style-type: none"> Min/Max Pressure:7/14 Bar Min/Max Capacity:45/35 Lt/h (Viscosity: 5cSt) Connection:Hub32 mm. 	1070025

Description: 2800 Rpm, Shaft Rotation (Seen from shaft end): Counterclockwise, with shut-off solenoid valve

LIGHT-OIL PUMPS



Model	Description	Poz Nr.
AS47 A 15366P	<ul style="list-style-type: none"> Min/Max Pressure:7/14 Bar Min/Max Capacity: 45/35 Lt/h (Viscosity: 5cSt) Connection:Hub32 mm. Right Hand Nozzle 	1070026
AS47 B 15376P	<ul style="list-style-type: none"> Min/Max Pressure:7/14 Bar Min/Max Capacity: 45/35 Lt/h (Viskosite: 5cSt) Connection:Hub32 mm. Left Hand Nozzle 	1070027

Description: 2800 Rpm, Shaft Rotation (Seen from shaft end): Clockwise, with shut-off solenoid valve



OIL BURNER PUMPS

LIGHT-OIL PUMPS



Model	Description	Poz Nr.
A1 R2	<ul style="list-style-type: none"> • Min/Max Pressure:6/20 Bar • Min/Max Capacity: 35/20 Lt/h (Viscosity: 5cSt) • Connection:Hub32 mm. 	1030001
A2 R2	<ul style="list-style-type: none"> • Min/Max Pressure:6/20 Bar • Min/Max Capacity: 55/35 Lt/h (Viscosity: 5cSt) • Connection:Hub32 mm. 	1030002

Description: 2800 Rpm, Shaft Rotation (Seen from shaft end): Clockwise, with shut-off solenoid valve

LIGHT-OIL PUMPS



Model	Description	Poz Nr.
A1 L2	<ul style="list-style-type: none"> • Min/Max Pressure:6/20 Bar • Min/Max Kapsite: 35/20 Lt/h (Viscosity: 5cSt) • Connection:Hub32 mm. 	1030003

Description: 2800 Rpm, Shaft Rotation (Seen from shaft end): Counterclockwise, with shut-off solenoid valve



SPARE PARTS OF OIL PUMPS



Model	Description	Poz Nr.
COIL FOR AS..	<ul style="list-style-type: none"> • 220/240V • 9 Watt 	1070028
SEAL FOR E., SERIES	<ul style="list-style-type: none"> • Teflon 	1070029



SPARE PARTS OF OIL PUMPS



Model	Description	Poz Nr.
COIL FOR A1..	<ul style="list-style-type: none"> • 220/230V • 9 Watt 	1070030
SPF07	<ul style="list-style-type: none"> • 700 mm. Connection Cable 	1070031



OIL BURNER

BURNER NOZZLES

STEINEN



Model	Description	Poz Nr.
S/SS	• 1.00-10.00 gp/h	1100001
S/SS	• 11.00-20.00 gp/h	1100002
S/SS	• 22.00-26.00 gp/h	1100003
S/SS	• 0,50-0,85 gp/h	1100004
S/SS	• 0,40 gp/h	1100005

Description: 60°



Model	Description	Poz Nr.
S/SS	• 0,40-12,00 gp/h	1100011

Description: 70°/80°



Model	Description	Poz Nr.
S/SS	• 1,00-10,00 gp/h	1100006
S/SS	• 11,00-20,00 gp/h	1100007
S/SS	• 22,00-28,00 gp/h	1100008
S/SS	• 0,50-0,85 gp/h	1100009
S/SS	• 0,40 gp/h	1100010

Description: 45°



Model	Description	Poz Nr.
PLP	• 28,00-35,00 gp/h	1270001
PLP	• 40,00-50,00 gp/h	1270002

Description: 60°

Fluidics
Instruments



Model	Description	Poz Nr.
W1	• 40 Kg/h	1180001
W1	• 50 Kg/h	1180002
W1	• 80 Kg/h	1180003
W1	• 100 Kg/h	1180004
W1	• 125 Kg/h	1180005
W1	• 160 Kg/h	1180006
W1	• 180 Kg/h	1180007
W1	• 200 Kg/h	1180008
W1	• 225 Kg/h	1180009

Description: 50° Proportional



Model	Description	Poz Nr.
W1	• 250 Kg/h	1180010
W1	• 275 Kg/h	1180011
W1	• 300 Kg/h	1180012
W1	• 330 Kg/h	1180013
W1	• 360 Kg/h	1180014
W1	• 400 Kg/h	1180015
W1	• 500 Kg/h	1180016
W1	• 600 Kg/h	1180017

Description: 50° Proportional



SOLENOID VALVES

LUCIFER®

OIL VALVES



Model	Description	Poz Nr.
122K 23 (9363)	• 1/8"	1220001
122K 63 (8363)	• 1/4"	1220002
322 H 75	• 1/2"	1220003

Description: 220V Normally Open, with Coil

OIL VALVES



Model	Description	Poz Nr.
121 K 23	• 1/8"	1220004
121 K 63	• 1/4"	1220005
131 K 13	• 1/8" 3 -Ways	1220006
131 K 64	• 1/4" 3 -Ways	1220007
321 H 25	• 1/2"	1220008

Description: 220V Normally Closed, with Coil

SCEM-PARKER

OIL VALVES



Model	Description	Poz Nr.
120.4IR	• 1/8"	1200001

Description: 220V Normally Open, with Coil

OIL VALVES



Model	Description	Poz Nr.
140.IR	• 1/8"	1200002
140.CR	• 1/4"	1200003

Description: 220V Normally Closed, with Coil

tork
valve & automation

OIL VALVES



Model	Description	Poz Nr.
T-YA 400A	• 1/8"	1400001
T-YA 401A	• 1/4"	1400002

Description: 220V Normally Open, with Coil

OIL VALVES



Model	Description	Poz Nr.
T-YA 400	• 1/8"	1400003
T-YA 401	• 1/4"	1400004
T-YA 408.8	• 1/8" 3-Way	1400005
T-YA 408.4	• 1/4" 3-Way	1400006

Description: 220V Normally Closed, with Coil



OIL BURNER

SCEM-PARKER **tork**

COIL FOR SOLENOID VALVES



Model	Description	Poz Nr.
YB 14	• 220 V 14W	1200004
ZB 14	• 220 V 14W	1200005
ZH 14	• 220 V 09W	1200006
ZB 09	• 220 V 09W	1200007
TORK KARE	• 220 V 10/14W	1400007

MEASURING INSTRUMENT

PAKKENS

GLYCERIN PRESSUER GAUGE (BOTTOM CONNECTION)



Model	Description	Poz Nr.
050100011	<ul style="list-style-type: none"> • :Ø50 mm • Measuring Range: 0-2,5 Bar:0-315 Bar • Connection:G1/8" • Body: AISI-304 • Cap:AISI-304 	3440013
063100011	<ul style="list-style-type: none"> • Ø63 mm • Measuring Range: 0-0,6 Bar:0-600 Bar • Connection:G1/4" • Body : AISI-304 • Cap:AISI-304 	3440014
100100011	<ul style="list-style-type: none"> • Ø100 mm • Measuring Range: 0-0,6 Bar:0-600 Bar • Connection:G1/2" • Body : AISI-304 • Cap:AISI-304 	3440015

Description: In vibrating environment, non-abrasive media, IP41, Eccuracy: KL2.5, Max.media temperature: 60 °C.

GLYCERIN PRESSURE GAUGE (REAR CONNECTION)



Model	Description	Poz Nr.
050100012	<ul style="list-style-type: none"> • Ø50 mm • Measuring Range: 0-2,5 Bar:0-315 Bar • Connection:G1/8" • Body AISI-304 • Cap:AISI-304 	3440016
063100012	<ul style="list-style-type: none"> • Ø63 mm • Measuring Range: 0-0,6 Bar:0-600 Bar • Connection:G1/4" • Body : AISI-304 • Cap:AISI-304 	3440017
100100012	<ul style="list-style-type: none"> • Ø100 mm • Measuring Range: 0-0,6 Bar:0-600 Bar • Connection:G1/2" • Body: AISI-304 • Cap:AISI-304 	3440018

Description: In vibrating environment, non-abrasive media, IP41, Eccuracy: KL2.5, Max.media temperature: 60 °C.



MEASURING INSTRUMENT

PAKKENS

GLYCERIN PRESSUER GAUGE (PANEL MOUNTING)



Model	Description	Poz Nr.
050100013	<ul style="list-style-type: none">• Ø50 mm• Measuring Range: 0-2,5 Bar:0-315 Bar• Connection:G1/8"• Body AISI-304• Cap:AISI-304	3440019
063100013	<ul style="list-style-type: none">• Ø63 mm• Measuring Range: 0-0,6 Bar:0-600 Bar• Connection:G1/4"• Body : AISI-304• Cap:AISI-304	3440020
100100013	<ul style="list-style-type: none">• Ø100 mm• Measuring Range: 0-0,6 Bar:0-600 Bar• Connection:G1/2"• Body : AISI-304• Cap:AISI-304	3440021

Description: In vibrating environment, non-abrasive media, IP41, Ecccuracy: KL2.5, Max.media temperature: 60°C.



ACCESSORIES



Model	Description	Poz Nr.
ADAPTER	<ul style="list-style-type: none">• Adapter for Pressure Gauge 1/4" Connection	3430007
VALVE	<ul style="list-style-type: none">• Valve for Pressure Gauge 1/2" Connection, with push-button	3440058



OIL BURNER



IGNITION TRANSFORMERS

HITTEC

ELECTRONIC IGNITION TRANSFORMERS



Model	Description	Poz Nr.
THI3 S/220-01	• 14000 V	1046001
THI3 S/220-2	• 14000 V. Bottom Connection	1046002
THI3 S/220-2	• 14000 V	1046003

Description: Duty Cycle %33



ELECTRONIC IGNITION TRANSFORMERS



Model	Description	Poz Nr.
ENTBD3	• Prim:220 V • Sec: 2x13000 V • 30 mA	2045002

Description: Duty Cycle %50

ELECTRONIC IGNITION TRANSFORMERS



Model	Description	Poz Nr.
PBG0065	• Electrical Connection Cable L:650 mm	2045004

Description: Accessories

ELECTRONIC IGNITION TRANSFORMERS



Model	Description	Poz Nr.
ENPBD31	• Prim:220 V • Sec: 1x28000 V • 35 mA	2045001
ECTBD31	• Prim:220 V • Sec: 2x13000 V • 30 mA	2045003

Description: Duty Cycle %100



OIL BURNER

IGNITION TRANSFORMERS



IGNITION EQUIPMENT



Model	Description	Poz Nr.
IGNITION CABLE	• Ø 6 mm Silicon	1027001
PLASTIC INSULATOR	• Plastic	1027002
IGNITION CAP	• Metal Cap	1027003

ELECTRODES



IGNITION ELECTRODES



Model	Description	Poz Nr.
ZE 17-65-35	• For High Pressure Cleaners	1016004
ZE 14-12-66 A1	• Special	1016005
ZE 14-12-125	• Special	1016006
ZK 14-12-35 A1 M14	• Special	1016007
DOUBLE ELECTRODE	• For individual Boilers	1027006
DOUBLE ELECTRODE	• Special	1027007
DOUBLE ELECTRODE	• Special	1027008

Description: Special Ignition Electrodes

IGNITION ELECTRODES




Model	Description	Poz Nr.
	• Ø 8x45 mm	1027009
	• Ø 8x65 mm	1027010
	• Ø 8x85 mm	1027011
	• Ø 8x100 mm	1027012
	• Ø 11x40 mm	1027013
	• Ø 11x65 mm	1027014
	• Ø 11x85 mm	1027015
	• Ø 11x110 mm	1027016
	• Ø 11x135 mm	1027017
	• Ø 11x150 mm	1027018
	• Ø 11x200 mm	1027019
	• Ø 14x40 mm	1027020
	• Ø 14x65 mm	1027021
	• Ø 14x85 mm	1027022
	• Ø 14x100 mm	1027023
	• Ø 14x125 mm	1027024
	• Ø 14x150 mm	1027025
	• Ø 14x200 mm	1027026
	• Ø 14x220 mm	1027027
	• Ø 14x250 mm	1027028
	• Ø 14x300 mm	1027029
	• Ø 14x350 mm	1027030
	• Ø 14x400 mm	1027031

Description: Porcelain: Alumina 70. Wire: St.37



HEATING ELEMENTS


STEEL HEATING ELEMENTS



Model	Description	Poz Nr.
Steel-Single Phase	• 500 W	1027032
Steel-Single Phase	• 1000 W	1027033
Steel-Single Phase	• 1500 W	1027034
Steel-Single Phase	• 2000 W	1027035
Steel-Single Phase	• 2500 W	1027036
Steel-Single Phase	• 3000 W	1027037


Description: 220V Connection Size:11/2"

PLATE TYPE HEATING ELEMENTS



Model	Description	Poz Nr.
Copper	• 220 V/1500-1800-2200 W. 0,40 mm	1027038
Copper	• 220 V/1500-1800-2200 W. 0,50 mm	1027039
Copper	• 110 V/900 W	1027040
Copper	• 220 V/1000 W-For ALF 12	1027041
Copper	• 220 V/1500 W- For ALF 24	1027042
Copper	• 220 V/2600 W-For ALF 42	1027043
Copper	• 220 V/3500 W-For ALF 180	1027044


MONARCH OIL BURNER PREHEATERS



Model	Description	Poz Nr.
M1 ESKİ TİP	• 1,8 KW	1027045
M2/3 ESKİ TİP	• 2,2 KW	1027046
M1.1	• 1,8 KW	1027047
M3.1	• 2,2 KW	1027048
M3.1 VZDU	• 4,5 KW	1027049
MS5	• 4,5 KW	1027050
MS7	• 6,6 KW	1027051
MS8	• 13,2 KW	1027052
RMS9-10	• 13,5 KW	1027053

Description: Including Heating Element and Thermostat

MONARCH OIL BURNER PREHEATERS



Model	Description	Poz Nr.
ALF 12	• 1,04 KW	1027054
ALF 24	• 1,5 KW	1027055
ALF 42.65/2	• 4,5 KW	1027056
ALF 130/2	• 8 KW	1027057
ALF 180/2	• 10,5 KW	1027058

Description: Including Heating Element and Thermostat



OIL BURNER



HEATING ELEMENTS

SERPANTINES FOR MONARCH PREHEATER



Model	Description	Poz Nr.
M1		1027059
M2/3		1027060
M1.1		1027061
M3.1		1027062
MS5		1027063
MS7		1027064
MS8		1027065
ALF 12		1027066
ALF 24		1027067
ALF 42.65/2		1027068
ALF 130/2		1027069
ALF 180/2		1027070

Description: Speacial Steel Pipe



OIL BURNER FILTERS

AYSAN

FUEL-OIL CAST-IRON FILTER



Model	Description	Poz Nr.
	• 1/2"	1027077
	• 3/4"	1027078
	• 1"	1027079
	• 1.1/4"	1027080
	• 1.1/2"	1027081
	• 2"	1027082

Description: Cast-Iron, Filter Cartridge, for Fuel-Oil

FUEL-OIL CAST-IRON FILTER WITH HEATING ELEMENT



Model	Description	Poz Nr.
	• 1.1/4"	1027089
	• 2"	1027090

Description: Cast-Iron, Filter Cartridge, for Fuel-Oil

ALUMINUM FUEL-OIL FILTER



Model	Description	Poz Nr.
	• 1/2"	1027083
	• 3/4"	1027084
	• 1"	1027085
	• 1.1/4"	1027086
	• 1.1/2"	1027087
	• 2"	1027088

Description: Cast-Aluminum, with changable filter cardride, for Fuel-Oil

ALUMINIUM FUEL-OIL FILTER



Model	Description	Poz Nr.
	• 1/2"	1027091

Description: Cast-Aluminum, for Fuel-Oil

OIL BURNER FILTERS



DIESEL FILTER



Model	Description	Poz Nr.
	3/8"	1027092
	1/2"	1027093

Description: Plastic transparent body, Aluminium cap

OIL BURNER FILTERS



DIESEL FILTER



Model	Description	Poz Nr.
	3/8"	1027095

Description: Plastic transparent body, Aluminium cap

OIL HOSES



STEEL BRAIDED PLASTIC HOSES



Model	Description	Poz Nr.
3/8"-1/2"	• 100 cm	1027096
3/8"-1/2"	• 125 cm	1027097
3/8"-1/2"	• 150 cm	1027098
1/2"-1/2"	• 100 cm	1027099
1/2"-1/2"	• 125 cm	1027100
1/2"-1/2"	• 150 cm	1027101
1/2"-1/2"	• 200 cm	1027102
1/2"-3/4"	• 100 cm	1027103
1/2"-3/4"	• 125 cm.	1027104
1/2"-3/4"	• 150 cm	1027105

Description: Female-Male Connection

STEEL BRAIDED PLASTIC HOSES



Model	Description	Poz Nr.
3/4"-3/4"	• 100 cm	1027113
3/4"-3/4"	• 125 cm	1027114
3/4"-3/4"	• 150 cm	1027115

Description: Female-Male Connection

STEEL BRAIDED PLASTIC HOSES



Model	Description	Poz Nr.
3/4"-3/4"	• 100 cm	1027116
3/4"-3/4"	• 125 cm	1027117
3/4"-3/4"	• 150 cm	1027118

Description: Female-Female Connection

STEEL BRAIDED PLASTIC HOSES



Model	Description	Poz Nr.
3/8"-3/8"	• 100 cm	1027106
3/8"-3/8"	• 125 cm	1027107
3/8"-3/8"	• 150 cm	1027108
1/2"-1/2"	• 100 cm	1027109
1/2"-1/2"	• 125 cm	1027110
1/2"-1/2"	• 150 cm	1027111
1/2"-1/2"	• 200 cm	1027112

Description: Rakor- Rakor

STEEL BRAIDED PLASTIC HOSES



Model	Description	Poz Nr.
BAYMAK/SPEACIAL	• Individual Boiler Hose for Special Connection	1027119



BURNER SPAREPARTS

TRIBULATORS



Model	Description	Poz Nr.
	M1	1027126
	M2/3	1027127
	M2/3 VZDU	1027128
	MS5	1027129
	MS5 VZDU	1027130
	MS7/8	1027131
	MS9-10	1027132

Description: Sheet Metal, Monarch Type

THYSSEN TRIBULATORS



Model	Description	Poz Nr.
	STX	1027133
	DMA5	1027134
	DMA25	1027135
	DMA30	1027136
	DMA50/65	1027137
	DMA90	1027138
	DMAÜZ30	1027139
	DMAÜZ65	1027140
	DMAÜZ90	1027141
	DMAÜZ200	1027142

Description: Flame Tribulator for Burners

FANS



Model	Description	Poz Nr.
DMA5	• Ø 160X75 mm	1027143
DMA25	• Ø 180X68 mm	1027144
DMA30	• Ø 216X92 mm	1027145
DMAÜZ30	• Ø 216X74 mm with keyed	1027146
DMA50/65/90	• Ø 250X125 mm	1027147
DMAÜZ65/90	• Ø 250X125 mm with keyed	1027148
DMAÜZ200	• Ø 280X92 mm	1027149

Description: Thyssen Type

FANS



Model	Description	Poz Nr.
M1	• Ø 160X75 mm	1027150
M2/3	• Ø 216X92 mm	1027151
MS5	• Ø 249X125 mm	1027152
MS5 VZDU	• Ø 249X125 mm	1027153
MS7/8	• Ø 268X103 mm	1027154

Description: Monarch Type

FLAME HEADS



Model	Description	Poz Nr.
	M1	1027120
	M2/3	1027121
	MS5	1027122
	MS7	1027123
	MS8	1027124
	RMS9-10	1027125

Description: Sheet Metal, Monarch Type



OIL BURNER



BURNER SPAREPARTS

INJECTORS



Model	Description	Poz Nr.
	• Piston	1027163
	• Spring	1027164
	• Nozzle Holder -Short	1027165
	• Nozzle Holder-Long	1027166
	• Copper Gasket	1027167

Description: For Thyssen

INJECTORS



Model	Description	Poz Nr.
MONARCH/INTEROIL	• Single Injector	1027155
MONARCH/INTEROIL	• Double Injector	1027156
MONARCH/INTEROIL	• Double Injector for MS.9-10	1027157
MONARCH/INTEROIL	• Double Injector for RMS.10	1027158
MONARCH	• Piston	1027159
MONARCH	• Pin	1027160
MONARCH	• Spring	1027161
MONARCH	• Nozzle Holder	1027162

Description: For Monarch /Interoil

COUPLING



Model	Description	Poz Nr.
	• Plastic	1027170

Description: Aluminium

PLASTIC HOSE FOR COUPLIN



Model	Description	Poz Nr.
MONARCH	• Sign	1027172

Description: Plastic



NATURAL GAS

CONTROLLERS

SIEMENS

BURNER CONTROLLERS



Model	Description	Poz Nr.
LME11.230C2	<ul style="list-style-type: none"> • 220 V • 2-Stage, without fan controls • Safety Time(TSA): 3 s. • Prepurge Time (t1): 20 s. • Only with ionisation probe 	2010003
LME11.330C2	<ul style="list-style-type: none"> • 220 V • 1-Stage • Safety Time(TSA): 3 s. • Prepurge Time (t1): 30 s. • Only with ionisation probe 	2010004
LME21.130C2	<ul style="list-style-type: none"> • 220 V • 2-Stage, without fan control • Safety Time(TSA): 3 s. • Prepurge Time (t1): 7 s. 	2010005
LME21.230C2	<ul style="list-style-type: none"> • 220 V • 2-Stage, without fan control • Safety Time(TSA): 3 s. • Prepurge Time (t1): 20 s. 	2010006
LME21.330C2	<ul style="list-style-type: none"> • 220 V • 2-Stage, without fan control • Safety Time(TSA): 3 s. • Prepurge Time (t1): 30 s. 	2010007
LME21.350C2	<ul style="list-style-type: none"> • 220 V • 2-Stage, without fan control • Safety Time(TSA): 3 s. • Prepurge Time (t1): 30 s. 	2010008
LME21.550C2	<ul style="list-style-type: none"> • 220 V • 2-Stage, without fan control • Safety Time(TSA): 3 s. • Prepurge Time (t1): 50 s. 	2010009



BURNER CONTROLLERS



Model	Description	Poz Nr.
LME22.131C2	<ul style="list-style-type: none"> • 220 V • 2-Stage, without fan controls • Safety Time(TSA): 3 s. • Prepurge Time (t1): 7 s. 	2010010
LME22.231C2	<ul style="list-style-type: none"> • 220 V • 2-Stage, without fan controls • Safety Time(TSA): 3 s. • Prepurge Time (t1): 20 s. 	2010011
LME22.232C2	<ul style="list-style-type: none"> • 220 V • 2-Stage, without fan controls • Safety Time(TSA): 3 s. • Prepurge Time (t1): 20 s. 	2010012
LME22.233C2	<ul style="list-style-type: none"> • 220 V • 2-Stage, without fan controls • Safety Time(TSA): 3 s. • Prepurge Time (t1): 20 s. 	2010013
LME22.331C2	<ul style="list-style-type: none"> • 220 V • 2-Stage, without fan controls • Safety Time(TSA): 3 s. • Prepurge Time (t1): 20 s. 	2010014
LME23.331C2	<ul style="list-style-type: none"> • 220 V • 2-Stage, without fan controls • Safety Time(TSA): 3 s. • Prepurge Time (t1): 30 s. • Only with QRC... (Blue Flame Dedector photocell) 	2010015
LME23.351C2	<ul style="list-style-type: none"> • 220 V • 2-Stage, without fan controls • Safety Time(TSA): 5 s. • Prepurge Time (t1): 30 s. • Only with QRC... (Blue Flame Dedector photocell) 	2010016

Description: Burner controls for the supervision of 1- or 2-stage gas or gas/oil burners of small to medium capacity, with or without fan in intermittent operation.



CONTROLLERS

SIEMENS

BURNER CONTROLLERS



Model	Description	Poz Nr.
LME41.051C2	<ul style="list-style-type: none"> • 220 V, Safety Time (TSA):5 s. • Prepurge Time (t1): 1 s. 	2010017
LME41.054C2	<ul style="list-style-type: none"> • 220 V, Safety Time (TSA):5 s. • Prepurge Time (t1): 1 s. 	2010018
LME44.056C2	<ul style="list-style-type: none"> • 220 V, Safety Time(TSA):5 s. • Prepurge Time (t1): 9 s. • Second Safety Time (t22):5 s. 	2010019
LME44.057C2	<ul style="list-style-type: none"> • 220 V, Safety Time(TSA):5 s. • Prepurge Time (t1): 9 s. • Second Safety Time (t22):8 s. 	2010020
LME44.190C2	<ul style="list-style-type: none"> • 220 V, Safety Time(TSA):10 s. • Prepurge Time (t1):12 s. 	2010021

Description: Burner controls for the supervision of 1- or 2-stage Atmospheric gas burners of small to medium capacity, with or without fan in intermittent operation.

BURNER CONTROLLERS



Model	Description	Poz Nr.
LME39.100C2	<ul style="list-style-type: none"> • 220 V, with/without fan control • Safety Time (TSA):3 (0,3-37,5 s.) • Prepurge Time (t1):30 (0-75 s.) 	2010022
LME39.400C2	<ul style="list-style-type: none"> • 220 V, with/without fan control • Safety Time (TSA):3 (0,3-37,5 s.) • Prepurge Time (t1):30 (0-75 s.) 	2010023

Description: Burner controls for the supervision of 1- or 2-stage gas or gas / oil burners of small to medium capacity, with or without fan in intermittent operation.

Honeywell

BURNER CONTROLLERS



Model	Description	Poz Nr.
MMI 810.1 0620220U	<ul style="list-style-type: none"> • 230 V, 2-Stage • Without Fan Control • Safety Time(ts):3 s. • Prepurge Time (tv1):34s. 	2060001
MMI 810.1 0642620U	<ul style="list-style-type: none"> • 230 V, 2-Stage • With fan control • Remote Reset Facility • Safety Time(ts):3 s. • Prepurge Time (tv1):30s. 	2060002
MMI 813.1 0622220U	<ul style="list-style-type: none"> • 230 V, 2-Stage • With fan control • Safety Time(ts):3 s. • Prepurge Time (tv1):34s. 	2060003
MMI 962.1 06256U	<ul style="list-style-type: none"> • 230 V, 2-Stage • With fan control • Remote reset facility • Safety Time(ts):3 s. • Prepurge Time(t1):30 s. 	2060004

Description: Burner controls for the supervision of 1- or 2-stage Atmospheric gas burners of small to medium capacity, with or without fan in intermittent operation.

BURNER CONTROLLERS



Model	Description	Poz Nr.
DMG 970 - N 0450001U	<ul style="list-style-type: none"> • 230 V, 2-Stage • Without Fan Control • Safety Time(ts):3 s. • Prepurge Time (tv1):24s. 	2060005
DMG 972- N 0452001U	<ul style="list-style-type: none"> • 230 V, 2-Stage • With Fan Control • Remote Reset Facility • Safety Time(ts):3 s. • Prepurge Time (tv1):54 s. 	2060006
DMG 973- N 0453001U	<ul style="list-style-type: none"> • 230 V, 2-Stage • With Fan Control • Remote Reset Facility • Safety Time(ts):3 s. • Prepurge Time (tv1):44 s. 	2060007
DLG976-N 0466001U	<ul style="list-style-type: none"> • 230 V, 2-Stage • Without Fan Control • Safety Time(ts):3 s. • Prepurge Time(tv1):5 s. 	2060008

Description: For 2-stage forced draught and combi oil/gas burners, with ionisation probe or UVD971 & IRD1020.1 photocells



NATURAL GAS

CONTROLLERS

BURNER CONTROLLERS



Model	Description	Poz Nr.
TFI 812.2 02601U	<ul style="list-style-type: none"> • 220 V. • Safety Time (TSA):5 s. • Without Prepurge Time 	2060009
DKG 972-N 0432010U	<ul style="list-style-type: none"> • 220 V. • Safety Time (TSA):5 s. • Without Prepurge Time • With UVD 971 Photocell 	2060010

Description: For 2-Stage Atmospheric gas burners, with ionisation probe or IRD120.1 Photocell

Honeywell

BURNER CONTROLLERS



Model	Description	Poz Nr.
TMG 740-3 MOD.32-32 08211U	<ul style="list-style-type: none"> • 220 V Safety Time (TSA):3 s. • Prepurge Time (tv1):24 sn. 	2060011
TMG 740-3 MOD.13-53 08217U	<ul style="list-style-type: none"> • 220 V • For Flash Steam Generators • Safety Time (TSA):3 s. • Prepurge Time (tv1):4 sn. 	2060012

Description: For single or two stage high performance forced draught and dual fuel burners in intermittent operation, with ionisation probe, UVZ...photocell

SIEMENS

BURNER CONTROLLERS



Model	Description	Poz Nr.
LME73.000A2	<ul style="list-style-type: none"> • 230V. Programmable Burner Control Device, . • Valve proving system(VPS) included 	2010033
AGG3.710	<ul style="list-style-type: none"> • Connector Set for LME7.. 	2010034
PME73.840A2	<ul style="list-style-type: none"> • Programlama Modul for LME7.. • For Gas Burner 	2010035
PME73.831A2	<ul style="list-style-type: none"> • Programlama Modul for LME7.. • For Dual-Fuel Burners 	2010036

Description: Microprocessor-based unit with matching system components for the control and supervision of forced draft burners of medium to high capacity. The ionisation probe, QRA2,QRA4 or QRA10 UV photocells can be used.

BURNER CONTROLLERS



Model	Description	Poz Nr.
LGK16.122A27	<ul style="list-style-type: none"> • 220 V For Flash Steam Generators • Safety Time (TSA):2 s. • Prepurge Time (t1):10 s. 	2010037
LGK16.133A27	<ul style="list-style-type: none"> • 220 V For Flash Steam Generators • Safety Time (TSA):3 s. • Prepurge Time (t1):9 s. 	2010038
LGK16.322A27	<ul style="list-style-type: none"> • 220 V For Stationary Air Heaters • Safety Time (TSA):2 s. • Prepurge Time (t1):35,5 s. 	2010039
LGK16.333A27	<ul style="list-style-type: none"> • 220 V For Modulating Burners • Safety Time (TSA):2 s. • Prepurge Time (t1):31,5 s. 	2010040
LGK16.335A27	<ul style="list-style-type: none"> • 220 V For Modulating Burners • Safety Time (TSA):2,5 s. • Prepurge Time (t1):37 s.. 	2010041
LGK16.622A27	<ul style="list-style-type: none"> • 220 V For Modulating Burners • Safety Time (TSA):2 s. • Prepurge Time (t1):65 s. 	2010042
LGK16.635A27	<ul style="list-style-type: none"> • 220 V For Modulating Burners • Safety Time (TSA):2,5 s. • Prepurge Time (t1):66 s. 	2010043

Description: For gas, oil, dual-fuel, multistage or modulating forced draft burners of medium to high capacity(>350kw/h). Continuously operating. With air pressure supervision for checked air damper control.



CONTROLLERS

SIEMENS

BURNER CONTROLLERS



Model	Description	Poz Nr.
LFL1.122	<ul style="list-style-type: none"> • 220 V For Flash Steam Generators • Safety Time(TSA): 2 s. • Prepurge Time (t1): 10 s. 	2010024
LFL1.133	<ul style="list-style-type: none"> • 220 V For Flash Steam Generators • Safety Time(TSA): 3 s. • Prepurge Time (t1): 9 s. 	2010025
LFL1.322	<ul style="list-style-type: none"> • 220 V For Stationary Air Heaters • Safety Time(TSA): 2 s. • Prepurge Time (t1): 36 s. 	2010026
LFL1.333	<ul style="list-style-type: none"> • 220 V For Modulating Burners • Safety Time(TSA): 3 s. • Prepurge Time (t1): 31 s. 	2010027
LFL1.335	<ul style="list-style-type: none"> • 220 V For Modulating Burners • Safety Time(TSA): 2,5s. • Prepurge Time (t1): 37 s. 	2010028
LFL1.622	<ul style="list-style-type: none"> • 220 V For Modulating Burners • Safety Time(TSA): 2 s. • Prepurge Time (t1): 65 s. 	2010029
LFL1.635	<ul style="list-style-type: none"> • 220 V For Modulating Burners • Safety Time(TSA): 2,5 s. • Prepurge Time (t1): 66 s. 	2010030
LFL1.638	<ul style="list-style-type: none"> • 220 V For Atmospheric Burners • Safety Time(TSA): 2,5 s. • Prepurge Time (t1): 66 s.. 	2010031
LFL1.148	<ul style="list-style-type: none"> • 220 V For Atmospheric Burners • With Auxiliary Fan or Flue Gas Fan • Safety Time(TSA): 4 s. • Prepurge Time (t1): 14s. 	2010032

Description: For gas, oil or dual-fuel forced draft burners of medium to high capacity(>350Kw/h), For multistage or modulating burners in intermittent operation, With checked air damper control, Flame supervision – with UV detectors QRA... – and ionization probe

ACCESSORIES FOR BURNER CONTROLLERS



Model	Description	Poz Nr.
AGK 11	• Plug in Base for LOA/LMO/LGB/LME	2060044
AGK65	• Cable Gland Holder for AGK11	2060045
AGM410490550	• Plug-in Base for LAL/LFL	2060046

Description: Connection Accessories for Siemens Burner Controllers



NATURAL GAS

CONTROLLERS

Honeywell

ACCESSORIES FOR BURNER CONTROLLERS



Model	Description	Poz Nr.
75300	• For TF/TFI	2060013
75320	• For TF976	2060014
75310	• For DMG,DGW ve MMI	2060015
70201	• For TMO/TMG	2060016
70502	• Cable Gland Holder	2060017

Description: Connection Accessories for Satronic Burner Controllers

SIEMENS

FLAME SAFEGUARD



Model	Description	Poz Nr.
LFS1.21A2	• 220 V For gas/oil burners Continuous operation with ionisation probe, Intermittent operation for , QRA2, QRA4 or QRA10 UV Photocells	2060047

Description: Flame safeguard with approval for continuous operation for the supervision of oil flames and gas flames in applications with an ionization probe and a photocell detector RAR9, for intermittent operating mode with UV flame detectors QRA2 /QRA4 / QRA10.



CONTROLLERS

UNIVERSAL BOILER TEMPERATURE/PRESSURE CONTROLLERS



Model	Description	Poz Nr.
RWF50.21A9	<ul style="list-style-type: none"> • 220 V 3P PID Control • Screen Size:48x48 mm. 	2010048
RWF50.30A9	<ul style="list-style-type: none"> • 220 V, Modulating PID Control • Screen Size:48x48 mm. 	2010049
RWF55.51A9	<ul style="list-style-type: none"> • 220 V 3p & Modulating PID Control with Modbus Cominication • Screen Size:48x96 mm 	2010050
RWF55.60A9	<ul style="list-style-type: none"> • 220 V, 3p & Modulating PID Control with Modbus &Profibus Cominication • Screen Size:48x96 mm.. 	2010051

Description: Temperature and Pressure Control for heating system with Oil/gas burners

VALVE PROOVING SYSTEMS



Model	Description	Poz Nr.
LDU11.323A27	<ul style="list-style-type: none"> • 220 V Filling the Test Space (t3): 2,5 s. • Evacuating the Test Space (t4):2,5 s. 	2010052
LDU11.523A27	<ul style="list-style-type: none"> • 220 V Filling the Test Space(t3): 5 s. • Evacuating the Test Space (t4):5 s.. 	2010053

Description: Automatic gas valves leakage control

MICROPROCESSOR-BASED BURNER CONTROLLERS



Model	Description	Poz Nr.
LMV27.100A2	<ul style="list-style-type: none"> • 220V. Intermittent operation gas or light oil burners, with 2 damper actuators control 	2010054
LMV26.300A2	<ul style="list-style-type: none"> • 220V. Intermittent operation dual-fuel (gas&light oil) burners, with 3 damper actuators control(with AGM60), • Variable Speed Drive (VSD) control 	2010055
LMV37.400A2	<ul style="list-style-type: none"> • 220V. Continuous operation gas or light oil burners, , • with 2 damper actuators control • Variable Speed Drive (VSD) control 	2010056

Description: For forced draft burners of medium to high capacity operating on a single fuel and – using integrated communication interfaces – affords convenient diagnostics, parameter settings and incorporation on the automation system level.

DAMPER ACTUATORS FOR LMV2/3... CONTROLLERS



Model	Description	Poz Nr.
SQN13.170B9	<ul style="list-style-type: none"> • AC/DC24 V Holding Torque:0,7 Nm. • Counterclockwise Rotation • Plastic Gear 	2010057
SQN14.170B9	<ul style="list-style-type: none"> • AC/DC24 V Holding Torque:0,7 Nm. • Clockwise Rotation • Plastic Gear 	2010058
SQM33.410A9	<ul style="list-style-type: none"> • AC/DC24 V Holding Torque:1,2 Nm. • Cable Lenght: 150 mm 	2010059
SQM33.411A9	<ul style="list-style-type: none"> • AC/DC24 V Holding Torque:1,2 Nm. • Cable Lenght: 300 mm 	2010060
SQM33.510A9	<ul style="list-style-type: none"> • AC/DC24 V Holding Torque:3 Nm. • Cable Lenght: 150 mm 	2010061
SQM33.511A9	<ul style="list-style-type: none"> • AC/DC24 V Holding Torque:3 Nm. • Cable Lenght: 300 mm 	2010062
SQM33.550A9	<ul style="list-style-type: none"> • AC/DC24 V Holding Torque:3 Nm. • Cable Lenght: 360 mm 	2010063
SQM33.711A9	<ul style="list-style-type: none"> • AC/DC24 V Holding Torque:10 Nm. • Cable Lenght: 300 mm 	2010064
SQM33.750A9	<ul style="list-style-type: none"> • AC/DC24 V Holding Torque:10 Nm. • Cable Lenght: 360 mm 	2010065

Description: For Electronic fuel/Air Ratio Control



NATURAL GAS

CONTROLLERS

SIEMENS

ACCESSORIES FOR LMV2/3 CONTROLLERS



Model	Description	Poz Nr.
AGM60.1A9	• Duel-Fuel Module (For LMV26..)	2010066
OCI412.10	• Modbus Userface Module	2010067
AZL21.00A9	• Display & Operation Module • IP40	2010068
AZL23.00A9	• Display & Operation Module • IP54	2010069
AGG3.131	• Connector Set for LMV2/3	2010070
AGG3.151	• Connector Set for AGM60.1A9	2010071
ASK33.1	• Larger Mounting Plate Required to Replace Existing Mounting Plate. Required for Mounting the Actuators	2010072
ASK33.4	SQM4 or SQM33... • Additional Mounting Plate is Required For Mounting the Actuators SQN13.	2010073

DAMPER ACTUATORS FOR LMV5... CONTROLLERS



Model	Description	Poz Nr.
SQM45.291B9	• AC 2x12V 90°:10...120 s. • Nominal Torque:3 Nm • Holding Torque: 1,5 Nm	2010078
SQM45.295B9	• AC 2x12V 90°:10...120 s. • Nominal Torque:3 Nm • Holding Torque: 1,5 Nm	2010079
SQM48.497B9	• AC 2x12V 90°:30...120 s. • Nominal Torque:20 Nm • Holding Torque: 20 Nm	2010080
SQM48.697B9	• AC 2x12V 90°:60...120 s. • Nominal Torque:35 Nm • Holding Torque: 35 Nm	2010081
SQM91.391A9	• AC 2x12V 90°:30...120 s. • Nominal Torque:60 Nm • Holding Torque: 60 Nm	2010082

Description: For Electronic fuel/Air Ratio Control

MICROPROCESSOR-BASED BURNER CONTROLLERS



Model	Description	Poz Nr.
LMV50.320B2	• 220 V Specific Function for Industrial Applications • Load Control • Fluegas Recirculation Information Function	2010074
LMV51.300B2	• 220 V Load Control • Fluegas Information Function	2010075
LMV52.200B2	• 220 V Load Control • Fluegas Information Function • O ₂ Trim Control (With PLL52.. ve QGO20..)	2010076
LMV52.400B2	• 220 V Load Control • Fluegas Information Function • Variable Speed Drive (VSD) Control • Fluegas Information • O ₂ Trim Control (with PLL52...& QGO20...) • Special O ₂ Control Function for Super Low Nox Burners	2010077

Description: Burner management system provides all supervisory functions required for forced draft oil or gas burners of medium to high capacity and facilitates modular system extensions via integrated communication interfaces.

ACCESSORIES FOR LMV5.. CONTROLLERS



Model	Description	Poz Nr.
PLL52.110A200	•CAN bus module O ₂ Trim Control	2010083
QGO.000D27	• O ₂ Sensor	2010084
AZL52.09B1	• Display & Operation Module	2010085
AGG5.110	• CAN Bus Connector Protect	2010086
AGG5.220	• 230 V. Transformer for CAN bus	2010087
AGG5.310	• Speed Sensor Kit, with 50 mm Disc Diameter	2010088
AGG5.315	• Speed Sensor Kit, with 92 mm Disc Diameter	2010089
AGG5.633	• 1mt. CAN bus Connection cable for LMV5../AZL52..	2010090
AGG5.635	• 3mt. CAN bus Connection cable for LMV5../AZL52..	2010091
AGG5.641	• 100mt. CAN bus Connection cable	2010092
AGG5.720	• Standard Connector Set	2010093
AGG5.721	• Extension Connector Set (AGG5.720 included)	2010094



PHOTOCELLS

FLAME DEDECTORS FOR OIL & GAS BURNER



Model	Description	Poz Nr.
QRC1A1.101C27	<ul style="list-style-type: none"> • 230 V, Cable Lenght: 350 mm • Class Sensitivity: Normal • Direction of illumination: Frontal • Viewing Window: Plexiglass 	2010095
QRC1A3.101C27	<ul style="list-style-type: none"> • 230 V, Cable Lenght: 350 mm • Class Sensitivity: High • Direction of illumination: Frontal • Viewing Window: Plexiglass 	2010096
QRC1A1.103C27	<ul style="list-style-type: none"> • 230 V, Cable Lenght: 500 mm • Class Sensitivity: Normal • Direction of illumination: Frontal • Viewing Window: Plexiglass 	2010097
QRC1A2.103C27	<ul style="list-style-type: none"> • 230 V, Cable Lenght: 500 mm • Class Sensitivity: Normal • Direction of illumination: Frontal • Viewing Window: Plexiglass 	2010098
QRC1C2.103C27	<ul style="list-style-type: none"> • 230 V, Cable Lenght: 500 mm • Class Sensitivity: Normal • Direction of illumination: Lateral • Viewing Window: Plexiglass 	2010099

Description: For Yellow or Blue Flame Burners

UV FLAME DEDECTORS FOR OIL & GAS BURNERS



Model	Description	Poz Nr.
QRA2M	• For LGB, LFL, LFE1, LFE10, LMG Controllers	2010107
QRA10M.C	• For LGB, LFL, LFE1, LFE10, LMG Controllers With 1" Connection	2010108
QRA53.G27	<ul style="list-style-type: none"> • 220 V, For LGK Controllers • Lenght of dedector tube: 125 mm. 	2010109
QRA55.G27	<ul style="list-style-type: none"> • 220 V, For LGK Controllers • Dedector Tube included 	2010110

Description: Class of Sensitivity : High

UV FLAME DEDECTORS FOR OIL & GAS BURNERS



Model	Description	Poz Nr.
QRA2	• For LGB, LFL, LFE1, LFE10, LMG controllers	2010100
QRA4.U	• For LGB, LFL, LFE1, LFE10, LMG controllers	2010101
QRA10.C	• For LGB, LFL, LFE1, LFE10, LMG controllers with 1" Connection	2010102
QRA53.E27	<ul style="list-style-type: none"> • 220 V For LGK Controllers • Lenght of dedector tube: 125 mm. 	2010103
QRA55.E27	<ul style="list-style-type: none"> • 220 V For LGK Controllers • Dedector tube included 	2010104
QRA73.A27	<ul style="list-style-type: none"> • For LMV5 Controllers • Lenght of Dedector Tube: 125 mm. 	2010105
QRA75.A27	<ul style="list-style-type: none"> • For LMV5 Controllers, • Lenght of Dedector Tube: 69 mm 	2010106

Description: Class of Sensitivity : Normal



NATURAL GAS

PHOTOCELLS

Honeywell

FLAME DEDECTORS FOR OIL & GAS BURNERS



Model	Description	Poz Nr.
UVZ 780 18813U	• UV Dedector for TMG Controller	2060018
IRD1020 16552U	• Infrared Dedector for DMG,TFL,MMI,TMG Controller	2060019

INFRARED FLAME DEDECTOR FOR OIL & GAS BURNERS



Model	Description	Poz Nr.
QRI2A2.B180B	• For LMV5 Controllers • Direction of illumination: Frontal • Cable Length: 180 mm	2010111
QRI2B2.B180B	• For LMV5 Controllers • Direction of illumination: Lateral • Cable Length: 180 mm	2010112
QRI2B2.B180B1	• For LMV5 Controllers • Direction of illumination: Lateral • Cable Length: 180 mm • Flange and Damps are included	2010113

ACCESSORIES FOR SIEMENS PHOTOCELLS



Model	Description	Poz Nr.
AGG16.C	• Adaptor QRA	2010114
AGR450211310	• Lamp for QRA, • Direction of illumination: Normal	2010115
AGR450240650	• Lamp forQRA • Direction of illumination: High	2010116
AGG02	• Heat isolated for QRA	2010117
AGG03	• Qartz Window for QRA	2010118
4 199 8806 0	• Clamps for QRA2	2010119
4 241 8855 0	• Flange for QRA2	2010120
AGQ1.1A27	• Auxiliary Unit for UV Supervision for LGB Controller • Cable Length: 500 mm	2010121
AGQ1.2A27	• Auxiliary Unit for UV Supervision for LGB Controller • Cable Length: 300 mm	2010122
AGQ3.1A27	• Auxiliary Unit for UV Supervision for LME Controller • Cable Length: 500 mm	2010123
AGQ3.2A27	• Auxiliary Unit for UV Supervision for LME Controller • Cable Length: 300 mm	2010124

ACCESSORIES FOR SATRONIC PHOTOCELLS



Ürün Kodu	Açıklama	Ref. Kodu
7236001	• Cable for IRD	2060020
700250160	• Magnet Connector for IRD 1020	2060021

Honeywell

**BURNER DAMPER ACTUATOR****COUNTERCLOCKWISE**

Model	Description	Poz Nr.
SQN30.111A2700	• 220 V.Number of Relay: 1	2010125
SQN30.111A3500	• 220 V.Number of Relay: 1	2010126
SQN30.121A2700	• 220 V.Number of Relay: 2	2010127
SQN30.121A3500	• 220 V.Number of Relay: 2	2010128
SQN30.151A2700	• 220 V.Number of Relay: 2	2010129

Description: 2- Stage, on-off, 90°:4,5s. Operation Torque: 1Nm, Holding Torque: 0,8Nm.

COUNTERCLOCKWISE

Model	Description	Poz Nr.
SQN30.251A2700	• 220 V.Number of Relay: 2	2010130

Description: 2- stage, 90°: 12s. Operation Torque:1,8 Nm. Holding Torque: 1,8 Nm.

COUNTERCLOCKWISE

Model	Description	Poz Nr.
SQN30.401A2700	• 220 V.Number of Relay: 0	2010131
SQN30.401A2730	• 220 V.Number of Relay: 0	2010132
SQN30.402A2700	• 220 V.Number of Relay: 0	2010133
SQN30.402A2730	• 220 V.Number of Relay: 0	2010134
SQN30.451A2700	• 220 V.Number of Relay: 0	2010135

Description: 2- stage, 90°: 30s. Operation Torque:1,8 Nm. Holding Torque: 1,8 Nm.

CLOCKWISE

Model	Description	Poz Nr.
SQN31.101A2700	• 220 V.Number of Relay: 0	2010136
SQN31.111A2700	• 220 V.Number of Relay: 1	2010137
SQN31.121A2700	• 220 V.Number of Relay: 2	2010138
SQN31.121A2730	• 220 V.Number of Relay: 2	2010139
SQN31.121A2760	• 220 V.Number of Relay: 2	2010140
SQN31.151A2700	• 220 V.Number of Relay: 2	2010141
SQN31.151A2730	• 220 V.Number of Relay: 2	2010142

Description: 2- Stage, on-off, 90°:4,5s. Operation Torque: 1Nm, Holding Torque: 0,8Nm.

CLOCKWISE

Model	Description	Poz Nr.
SQN31.221A2700	• 220 V.Number of Relay: 2	2010143
SQN31.251A2700	• 220 V.Number of Relay: 2	2010144
SQN31.251A2730	• 220 V.Number of Relay: 2	2010145

Description: 2- stage, 90°: 12s. Operation Torque:1,8 Nm. Holding Torque: 1,8 Nm.

CLOCKWISE

Model	Description	Poz Nr.
SQN31.401A2700	• 220 V.Number of Relay: 0	2010146
SQN31.401A2730	• 220 V.Number of Relay: 0	2010147
SQN31.401A2760	• 220 V.Number of Relay: 0	2010148
SQN31.411A2700	• 220 V.Number of Relay: 1	2010149
SQN31.402A2700	• 220 V.Number of Relay: 0	2010150
SQN31.402A2730	• 220 V.Number of Relay: 1	2010151

Description: Proportional, 90°: 23s. Operation Torque: 2,5Nm. Holding Torque: 2,5Nm.



NATURAL GAS

BURNER DAMPER ACTUATOR

SIEMENS

CLOCKWISE



Model	Description	Poz Nr.
SQN31.762A2700	• 220 V.Number of Relay: 2	2010152

Description: Proportional, 90°: 23s. Operation Torque: 2,5Nm. Holding Torque: 2,5Nm.

COUNTERCLOCKWISE



Model	Description	Poz Nr.
SQN70.324A20	• 220 V.Number of Relay: 2	2010157

Description: 2-stage, On-Off, 90°:6 s. Nominal Torque:1,5 Nm Holding Torque:0,7 Nm

COUNTERCLOCKWISE



Model	Description	Poz Nr.
SQN70.224A20	• 220 V.Number of Relay: 2	2010153
SQN70.244A20	• 220 V.Number of Relay: 3	2010154
SQN70.254A20	• 220 V.Number of Relay: 3	2010155
SQN70.264A20	• 220 V.Number of Relay: 0	2010156

Description: 2-stage, On-Off, 90°: 34s. Nominal Torque: 1,5Nm. Holding Torque: 0,7Nm.

COUNTERCLOCKWISE



Model	Description	Poz Nr.
SQN70.424A20	• 220 V.Number of Relay: 2	2010158
SQN70.454A20	• 220 V.Number of Relay: 3	2010159
SQN70.464A20	• 220 V.Number of Relay: 0	2010160
SQN70.464A23	• 220 V.Number of Relay: 0	2010161

Description: 2- stage, On-Off, 90°: 12s. Nominal Torque: 2,5Nm. Holding Torque: 1,2Nm.

COUNTERCLOCKWISE



Model	Description	Poz Nr.
SQN70.664A20	• 220 V.Number of Relay: 0	2010162
SQN70.664A23	• 220 V.Number of Relay: 0	2010163
SQN70.624A20	• 220 V.Number of Relay: 2	2010164
SQN70.694A20	• 220 V.Number of Relay: 1	2010165

Description: Proportional, 90°: 30s. Nominal Torque: 2,5 Nm. Holding Torque: 1,3Nm.



BURNER DAMPER ACTUATOR

SIEMENS

CLOCKWISE ROTATION



Model	Description	Poz Nr.
SQN71.244A20	• 220 V.Number of Relay: 2	2010166
SQN71.264A20	• 220 V.Number of Relay: 0	2010167

Description: 2- stage, On-Off, 90°: 4s. Nominal Torque: 1,5Nm.
Holding Torque: 0,7Nm.

COUNTERCLOCKWISE ROTATION



Model	Description	Poz Nr.
SQN74.254A21	• 220 V.Number of Relay: 3	2010172
SQN74.294A21	• 220 V.Number of Relay: 1	2010173

Description: 2- stage, On-Off, 90°:4 sn. Nominal Torque:1,5 Nm
Holding Torque:0,7 Nm

CLOCKWISE ROTATION



Model	Description	Poz Nr.
SQN71.424A20	• 220 V.Number of Relay: 2	2010168
SQN71.464A21	• 220 V.Number of Relay: 0	2010169

Description: 2- stage, On-Off, 90°: 12s. Nominal Torque: 2,5Nm.
Holding Torque: 1,2Nm.

CLOCKWISE ROTATION



Model	Description	Poz Nr.
SQN75.224A21	• 220 V.Number of Relay: 2	2010174
SQN75.244A21	• 220 V.Number of Relay: 3	2010175

Description: 2- stage, On-Off, 90°: 4s. Nominal Torque: 1,5Nm.
Holding Torque: 0,7 Nm.

CLOCKWISE ROTATION



Model	Description	Poz Nr.
SQN71.664A20	• 220 V.Number of Relay: 0	2010170
SQN71.669A23	• 220 V.Number of Relay: 0	2010171

Description: Proportional, 90°: 30s. Nominal Torque: 2,5 Nm.
Holding Torque: 1,3Nm.

CLOCKWISE ROTATION



Model	Description	Poz Nr.
SQN75.424A21	• 220 V.Number of Relay: 2	2010176
SQN75.494A21	• 220 V.Number of Relay: 1	2010177

Description: 2- stage, On-Off, 90°: 12s. Nominal Torque: 1,5Nm.
Holding Torque: 0,7 Nm.

CLOCKWISE ROTATION



Model	Description	Poz Nr.
SQN75.664A26	• 220 V.Number of Relay: 0	2010178
SQN75.694A21	• 220 V.Number of Relay: 1	2010179

Description: Proportional, 90°: 12s. Nominal Torque: 1,5 Nm.
Holding Torque: 0,7Nm.



NATURAL GAS

BURNER DAMPER ACTUATOR

SIEMENS

COUNTER CLOCKWISE ROTATION



Model	Description	Poz Nr.
SQN90.204A2799	• 220 V Number of Relay: 0	2010180
SQN90.220A2799	• 220 V Number of Relay: 0	2010181
SQN90.240B2799	• 220 V Number of Relay: 0	2010182

Description: Proportional, On-Off, 90°:12 s, Nominal Torque:2,4 Nm

COUNTER CLOCKWISE ROTATION



Model	Description	Poz Nr.
SQN90.350A2799	• 220 V.Number of Relay: 0	2010183

Description: Proportional,On-Off, 90°: 10s, Nominal Torque: 2 Nm.

CLOCKWISE ROTATION



Model	Description	Poz Nr.
SQN91.140B2799	• 220 V.Number of Relay: 0	2010184

Description: Proportional, 90°: 4s, Nominal Torque: 1,5 Nm.
Holding Torque: 0,8Nm.

CLOCKWISE ROTATION



Model	Description	Poz Nr.
SQM10.15502	• 220 V 90°:14 s, 130°:20 s. • Number of Auxiliary Switches :5	2010185
SQM10.16502	• 220 V 90°:29 s, 130°:42 s. • Number of Auxiliary Switches :5	2010186
SQM10.16532	• 220 V 90°:29 s, 130°:42 s. • Number of Auxiliary Switches :5	2010187
SQM10.16562	• 220 V 90°:29 s, 130°:42 s. • Number of Auxiliary Switches :5	2010188

Description : Counterclockwise Rotation, Proportional, Nominal Torque: 10Nm. Holding Torque: 4Nm.

CLOCKWISE ROTATION



Model	Description	Poz Nr.
SQM20.18502	• 220 V,Running Time: 90°:45 s 130°:66 s • Number of Auxiliary Switches :5	2010189

Description : Counterclockwise Rotation, Proportional, Nominal Torque: 20Nm. Holding Torque: 12Nm.

CLOCKWISE ROTATION



Model	Description	Poz Nr.
SQM21.18502	• 220 V, Running Time: 90°:45 s 130°:66 s. • Number of Auxiliary Switches :5	2010190

Description: Clockwise Rotation, Proportional



BURNER DAMPER ACTUATOR

SIEMENS

CLOCKWISE ROTATION



Model	Description	Poz Nr.
SQM41.141A21	<ul style="list-style-type: none"> • 220V, PCB:4-20 mA • 2-10 V Torque:5Nm/15 s 	2010191
SQM41.241A21	<ul style="list-style-type: none"> • 220V, PCB:4-20 mA • 0-10 V Torque: 10Nm/30 s 	2010192
SQM41.261A21	<ul style="list-style-type: none"> • 220V ,PCB: 3p, Torque: 10 Nm/30 s 	2010193

Description : Clockwise Rotation, Proportional

CLOCKWISE ROTATION



Model	Description	Poz Nr.
SQM40.141A21	<ul style="list-style-type: none"> • 220 V PCB: 4-20 mA • 2-10 V. Torque: 5Nm/15 s 	2010194
SQM40.161A21	<ul style="list-style-type: none"> • 220 V. 3p, 5 Nm/15 sn 	2010195
SQM40.241A21	<ul style="list-style-type: none"> • 220 V, PCB: 4-20 mA • 2-10 V. Torque:10Nm/30 s 	2010196
SQM40.245A21	<ul style="list-style-type: none"> • 220 V, PCB: 4-20 mA • 2-10 V.Torque: 10 Nm/30 s 	2010197
SQM40.265A20	<ul style="list-style-type: none"> • 220 V PCB: 3p, Torque:10 Nm/30 s 	2010198
SQM40.265A21	<ul style="list-style-type: none"> • 220 V PCB: 3p, Torque 10 Nm/30 s • Number of Potentiometer:1 	2010199

Description : Counter Clockwise Rotation, Proportional

CLOCKWISE ROTATION



Model	Description	Poz Nr.
SQM50.481A2	<ul style="list-style-type: none"> • 220 V Running Time:90°:34 s 130°:49 s • Number of Auxiliary Switch:8 	2010200
SQM50.482A2	<ul style="list-style-type: none"> • 220 V Running Time:90°:30 s 130°:49 s • Number of Auxiliary Switch:8 	2010201

Description: Reversible Rotation, Proportional, Holding Torque: 15Nm.

ACCESSORIES OF DAMPER ACTUATORS



Model	Description	Poz Nr.
ASZ16.703	<ul style="list-style-type: none"> • Single Potentiometer • Angular Rotation:90° • Resistance:135 Ohm 	2010202
ASZ8.703	<ul style="list-style-type: none"> • Single Potentiometer • Angular Rotation:90° • Resistance:220 Ohm 	2010203
ASZ12.703	<ul style="list-style-type: none"> • Single Potentiometer • Angular Rotation:90° • Direnç:1000 Ohm 	2010204
ASZ16.733	<ul style="list-style-type: none"> • Single Potentiometer • Angular Rotation:135° • Resistance:135 Ohm 	2010205
ASZ8.733	<ul style="list-style-type: none"> • Single Potentiometer • Angular Rotation:135° • Resistance:220 Ohm 	2010206
ASZ12.733	<ul style="list-style-type: none"> • Single Potentiometer • Angular Rotation:135° • Resistance:1000 Ohm 	2010207
ASZ66.703	<ul style="list-style-type: none"> • Double Potentiometer • Angular Rotation:90° • Resistance:135/135 Ohm 	2010208
ASZ22.703	<ul style="list-style-type: none"> • Double Potentiometer • Angular Rotation:90° • Resistance:1000/1000 Ohm 	2010209
ASZ88.733	<ul style="list-style-type: none"> • Double Potentiometer • Angular Rotation:90° • Resistance: 220/220 Ohm 	2010210

Description: Potentiometers for Air Damper Actuators, Wire. For: SQN3..SQN9..SQM1..SQM2..SQM5..

ACCESSORIES OF DAMPER ACTUATORS



Model	Description	Poz Nr.
ASZ12.803	<ul style="list-style-type: none"> • Single Potentiometer • Angular Rotation:90° • Resistance:1000 Ohm 	2010211
ASZ12.833	<ul style="list-style-type: none"> • Single Potentiometer • Angular Rotation:135° • Resistance:1000 Ohm 	2010212
ASZ22.803	<ul style="list-style-type: none"> • Double Potentiometer • Angular Rotation:90° • Resistance:1000/1000 Ohm 	2010213
ASZ22.833	<ul style="list-style-type: none"> • Double Potentiometer • Angular Rotation:135° • Resistance:1000/1000 Ohm 	2010214

Description: Potentiometers for Air Damper Actuators, Conductive Plastic. For: SQN3..SQN4..SQN9..SQM1..SQM2..SQM5..



NATURAL GAS

BURNER DAMPER ACTUATOR

SIEMENS

ACCESSORIES OF DAMPER ACTUATORS



Model	Description	Poz Nr.
ASZ12.30	<ul style="list-style-type: none">• Single Potentiometer• Angular Rotation::90°• Resistance:1000 Ohm	2010215
ASZ12.33	<ul style="list-style-type: none">• Single Potentiometer• Angular Rotation:135°• Resistance:1000 Ohm	2010216
ASZ22.30	<ul style="list-style-type: none">• Double Potentiometer• Angular Rotation:90°• Resistance:1000/1000 Ohm	2010217
ASZ22.33	<ul style="list-style-type: none">• Double Potentiometer• Angular Rotation:135°• Resistance:1000/1000 Ohm	2010218

Description : Potentiometers for Air Damper Actuators, Conductive Plastic. For: SQN7..SQM1..SQM2..SQM5...



GAS VALVE ACTUATORS

VALVE ACTUATORS FOR VGG, VGD, VGF, VRD



Model	Description	Poz Nr.
SKP15.000E2	• 220 V Without end Switch	2010219
SKP15.001E2	• 220 V Without end Switch	2010220

Description: 1-Stage, On-Off

VALVE ACTUATORS FOR VGG, VGD, VGF, VRD



SKP25.003E2	• 220 V Without end Switch • Pressure Regulator up to 22 MBar	2010221
SKP25.001E2	• 220 V With end Switch • Pressure Regulator up to 22 MBar	2010222
SKP25.403E2	• 220 V Without end Switch • Pressure Regulator up to 1500 MBar	2010223

Açıklama: 1- Stage, on-off, With Pressure Regulator

VALVE ACTUATORS FOR VGG, VGD, VGF, VRD



Ürün Kodu	Açıklama	Ref. Kodu
SKP25.603E2	• 220 V Without end Switch • Zero Pressure Regulator	2010224

Description: 1- Stage, On-Off, With Zero Pressure Regulator



Model	Description	Poz Nr.
SKP25.203E2	• 220 V With end Switch • 2-Stage	2010225

Description: 1- Stage, On-Off, With Pressure Regulator

VALVE ACTUATORS FOR VGG, VGD, VGF, VRD



Model	Description	Poz Nr.
SKP55.001E2	• 220 V With end Switch • Differential Pressure Regulator	2010226
SKP55.003E2	• 220 V With end Switch • Differential Pressure Regulator	2010227

Description: 1- Stage, on-off, With Differential Pressure Regulator

VALVE ACTUATORS FOR VGG, VGD, VGF, VRD



Model	Description	Poz Nr.
SKP75.001E2	• 220 V With end Switch • Pnomatic Modulation	2010228
SKP75.003E2	• 220 V Without end Switch • Pnomatic Modulation	2010229

Description: 1- Stage, On-off, With pnomatic modulation

ACCESSORIES OF SKP... ACTUATORS



Model	Description	Poz Nr.
AGA67	• Second stage Contact Box for SK25.203E2	2010230
AGA68	• Adapter Plug for AGA62.000A000	2010231
AGA64	• Contact box for Valve Actuators (Power Supply)	2010232
AGA65	• Contact Box for End Switch	2010233
AGA62.000A000	• Adapter Plug for Powering both Actuators on the Double Valve VGD..	2010234
AGA62..2	• Adapter for SKP25...2 ...	2010235
AGA63.5A27	• Heating Element for SKP. (<-10..-20°C)	2010236
AGA29	• 5-22 mbar Pressure Spring for SKP25..	2010237
AGA22	• 15-20Mbar Pressure Spring SKP25..	2010238
AGA23	• 100-250 mbar Pressure Spring for SKP25..	2010239



GAS VALVES

GAS VALVES, USING WITH SKP.. ACTUATORS



Model	Description	Poz Nr.
VGD20.403	• 1.1/2" • Flow Rate : 108,8 m ³ /h	2010240
VGD20.503	• 2" • Flow Rate: 128 m ³ /h	2010241
VGD20.4011	• 1.1/2" • Flow Rate: 108,8 m ³ /h	2010242
VGD20.5011	• 2" • Flow Rate: 128 m ³ /h	2010243

Description : Double Gas Valves with special flange connection

ACCESSORIES



Model	Description	Poz Nr.
AGF10.40	• 1.1/2" Special Connection Flange	2010244
AGF10.50	• 2" Special Connection Flange	2010245

Description: Accessories

GAS VALVES, USING WITH SKP.. ACTUATORS



Model	Description	Poz Nr.
VGD40.040	• DN 40 • Flow Rate: 108,8 m ³ /h	2010246
VGD40.050	• DN 50 • Flow Rate: 128 m ³ /h	2010247
VGD40.065	• DN 65 • Flow Rate: 204,8m ³ /h	2010248
VGD40.080	• DN 80 • Flow Rate: 320 m ³ /h	2010249
VGD40.100	• DN 100 • Flow Rate: 512 m ³ /h	2010250
VGD40.125	• DN 125 • Flow Rate: 806,4 m ³ /h	2010251
VGD40.150	• DN 150 • Flow Rate: 1024 m ³ /h	2010252

Descripton: Double Gas Valves with Pilot Gas Flange

GAS VALVES, USING WITH SKP.. ACTUATORS



Model	Description	Poz Nr.
VGG10.154P	• 1/2" • Flow Rate: 18 m ³ /h	2010253
VGG10.204P	• 3/4" • Flow Rate: 32,5 m ³ /h	2010254
VGG10.254P	• 1" • Flow Rate: 51,2 m ³ /h	2010255

Description: Single Gas Valve, Thread Connection. Pmax:1200 Mbar



GAS VALVES

GAS VALVES, USING WITH SKP.. ACTUATORS



Model	Description	Poz Nr.
VGG10.404P	<ul style="list-style-type: none"> • 1.1/2" • Flow Rate: 128 m³/h 	2010256
VGG10.504P	<ul style="list-style-type: none"> • 2" • Flow Rate: 156,25 m³/h 	2010257
VGG10.804P	<ul style="list-style-type: none"> • 3" • Flow Rate: 290 m³/h 	2010258

Description: Single Gas Valve, Thread Connection, Pmax:600 Mbar

GAS VALVES, USING WITH SKP.. ACTUATORS



Model	Description	Poz Nr.
VGf10.404P	<ul style="list-style-type: none"> • DN40 • Flow Rate: 128 m³/h 	2010259
VGf10.504P	<ul style="list-style-type: none"> • DN50 • Flow Rate: 156,25 m³/h 	2010260
VGf10.654P	<ul style="list-style-type: none"> • DN65 • Flow Rate: 283 m³/h 	2010261
VGf10.804P	<ul style="list-style-type: none"> • DN80 • Flow Rate: 330 m³/h 	2010262

Description: Single Gas Valve, Flange Connection, Pmax:600 Mbar

VALVES FOR BIOGAS OR RECYCLING GASES USING WITH SKP..ACTUATORS



Model	Description	Poz Nr.
VRF10.404	<ul style="list-style-type: none"> • DN40 • Flow Rate: 125 m³/h (ΔP: 10 mbar) 	2010263
VRF10.504	<ul style="list-style-type: none"> • DN50 • Flow Rate: 190 m³/h (ΔP: 10 mbar) 	2010264
VRF10.654	<ul style="list-style-type: none"> • DN65 • Flow Rate: 280 m³/h (ΔP: 10 mbar) 	2010265
VRF10.804	<ul style="list-style-type: none"> • DN80 • Flow Rate: 350 m³/h (ΔP: 10 mbar) 	2010266

Description: Single Gas Valve, Flange Connection, Pmax:600 Mbar

VALVES FOR BIOGAS OR RECYCLING GASES USING WITH SKP..ACTUATORS



Model	Description	Poz Nr.
VRD40.040	<ul style="list-style-type: none"> • DN40 • Flow Rate: 100 m³/h (ΔP: 1kPa) 	2010267
VRD40.050	<ul style="list-style-type: none"> • DN50 • Flow Rate: 140 m³/h (ΔP: 1kPa) 	2010268
VRD40.065	<ul style="list-style-type: none"> • DN65 • Flow Rate: 200 m³/h (ΔP: 1kPa) 	2010269
VRD40.080	<ul style="list-style-type: none"> • DN80 • Flow Rate: 320 m³/h (ΔP: 1kPa) 	2010270
VRD40.100	<ul style="list-style-type: none"> • DN100 • Flow Rate: 540 m³/h (ΔP: 1kPa) 	2010271
VRD40.125	<ul style="list-style-type: none"> • DN125 • Flow Rate: 850 m³/h (ΔP: 1kPa) 	2010272
VRD40.150	<ul style="list-style-type: none"> • DN150 • Flow Rate: 1100 m³/h (ΔP: 1kPa) 	2010273

Description: Double Gas Valves, Flange Connection with Pilot Gas Flange



NATURAL GAS

GAS VALVES

SIEMENS

HOT AIR VALVES



Model	Description	Poz Nr.
VLF45.404	<ul style="list-style-type: none"> • DN40 • Flow Rate: 155 m³/h 	2010274
VLF45.504	<ul style="list-style-type: none"> • DN50 • Flow Rate: 250 m³/h 	2010275

Description: Flange Connection, Tmax: 450°C, Pmax: 1500 Mbar

HOT AIR VALVES



Model	Description	Poz Nr.
VLF45.654	<ul style="list-style-type: none"> • DN65 • Flow Rate: 400 m³/h 	2010276
VLF45.804	<ul style="list-style-type: none"> • DN80 • Flow Rate: 450 m³/h 	2010277

Description: Flange Connection, Tmax: 450°C, Pmax: 700 Mbar

BUTTERFLY VALVES



Model	Description	Poz Nr.
VKF41.40C	<ul style="list-style-type: none"> • DN40 • Flow Rate: 2176 m³/h 	2010278
VKF41.50C	<ul style="list-style-type: none"> • DN50 • Flow Rate: 294,4 m³/h 	2010279
VKF41.65C	<ul style="list-style-type: none"> • DN65 • Flow Rate: 729,6 m³/h 	2010280
VKF41.80C	<ul style="list-style-type: none"> • DN80 • Flow Rate: 1369,6 m³/h 	2010281
VKF41.100C	<ul style="list-style-type: none"> • DN100 • Flow Rate: 2393,6 m³/h 	2010282
VKF41.125C	<ul style="list-style-type: none"> • DN125 • Flow Rate: 4224 m³/h 	2010283
VKF41.150C	<ul style="list-style-type: none"> • DN150 • Flow Rate: 6784 m³/h 	2010284
VKF41.200C	<ul style="list-style-type: none"> • DN200 • Flow Rate: 11776 m³/h 	2010285

Description: Pmax: 1500 mbar

ACCESSORIES



Model	Description	Poz Nr.
ASK33.9	• Mounting Kit for SQM50...	2010286
ASK33.4	• Mounting Kit for SQM45...	2010073



GAS VALVES

SIEMENS

MODULATING GAS VALVES



Model	Description	Poz Nr.
VKP40.15	<ul style="list-style-type: none"> • DN15 • Flow Rate: 9,50 m³/h 	2010288
VKP40.20	<ul style="list-style-type: none"> • DN20 • Flow Rate: 25 m³/h 	2010289
VKP40.25	<ul style="list-style-type: none"> • DN25 • Flow Rate: 36,6 m³/h 	2010290
VKP40.32	<ul style="list-style-type: none"> • DN32 • Flow Rate: 63 m³/h 	2010291
VKP40.40	<ul style="list-style-type: none"> • DN40 • Flow Rate: 90 m³/h 	2010292
VKP40.50	<ul style="list-style-type: none"> • DN50 • Flow Rate: 114,30 m³/h 	2010293
VKP40.50H	<ul style="list-style-type: none"> • DN50 • Flow Rate: 250 m³/h 	2010294
VKP40.50S	<ul style="list-style-type: none"> • DN50 • Flow Rate: 350 m³/h 	2010295

Description: Pmax: 700 mbar, Wide Modulating Range of >1/25

ACCESSORIES



Model	Description	Poz Nr.
AGA61	<ul style="list-style-type: none"> • Manuel Adjuster 	2010304
AGA60	<ul style="list-style-type: none"> • Maunting Plate for SAX.. Actuators 	2010305
AGA66	<ul style="list-style-type: none"> • Gasket Kit for SKPX5.../SKL25...IP65 	2010306

Description: Special Accessories

ACCESSORIES



Model	Description	Poz Nr.
AGF10.15	<ul style="list-style-type: none"> • DN15 Flange for VKP40... 	2010296
AGF10.20	<ul style="list-style-type: none"> • DN20 Flange for VKP40... 	2010297
AGF10.25	<ul style="list-style-type: none"> • DN25 Flange for VKP40... 	2010298
AGF10.32	<ul style="list-style-type: none"> • DN32 Flange for VKP40... 	2010299
AGF10.40	<ul style="list-style-type: none"> • DN40 Flange for VKP40... 	2010244
AGF10.50	<ul style="list-style-type: none"> • DN50 Flange for VKP40... 	2010245

Description: Connection Flanges

ACCESSORIES



Model	Description	Poz Nr.
ASK33.1	<ul style="list-style-type: none"> • Mounting Kit for SQN72..SQN33.. 	2010072
ASK33.3	<ul style="list-style-type: none"> • Mounting Kit for SQM50... 	2010073

Description: Actuators Mounting Kits



NATURAL GAS



GAS VALVES

SAFETY SHUTT-OFF VALVES



Model	Description	Poz Nr.
VMH7	<ul style="list-style-type: none"> • DN65 • Flow Rate: 300 m³/h • Pmax:1600 mbar • Opening Time:12 s. 	2040001
VMH8	<ul style="list-style-type: none"> • DN80 • Flow Rate: 340 m³/h • Pmax:1600 mbar • Opening Time:12 s. 	2040002
VMH9	<ul style="list-style-type: none"> • DN100 • Flow Rate: 533 m³/h • Pmax:1300 mbar • Opening Time:16 s. 	2040003
VMH93	<ul style="list-style-type: none"> • DN125 • Flow Rate: 900 m³/h • Pmax:500 mbar • Opening Time:20 s. 	2040004
VMH95	<ul style="list-style-type: none"> • DN150 • Flow Rate: 1181 m³/h • Pmax:500 mbar • Opening Time:20 s. 	2040005
VMH98	<ul style="list-style-type: none"> • DN200 • Flow Rate: 1910 m³/h • Pmax:200 mbar • Opening Time:20 s. 	2040006

Description: Slow Opening, Fast Closing

GAS MULTIBLOC



SINGLE STAGE MULTIBLOC



Model	Description	Poz Nr.
MB-DLE 403 B01 S20	<ul style="list-style-type: none"> • 1/2" • Special Flange Connection • Flow Rate: 4,5 m³/h 	2020001

Açıklama: Maximum working Pressure: 200 mbar,
P1max: 4 - 50 mbar, First valve fast opening/closing,
second valve slow opening/fast closing



GAS MULTIBLOC

SINGLE STAGE MULTIBLOC



Model	Description	Poz Nr.
MB-DLE 405 B01 S50	<ul style="list-style-type: none"> • 1/2" • Special Flange Connection • Flow Rate: 10 m³/h 	2020002
MB-DLE 407 B01 S50	<ul style="list-style-type: none"> • 3/4" • Special Flange Connection • Flow Rate: 15 m³/h 	2020003
MB-DLE 410 B01 S50	<ul style="list-style-type: none"> • 1" • Special Flange Connection • Flow Rate: 23 m³/h 	2020004
MB-DLE 412 B01 S50	<ul style="list-style-type: none"> • 1.1/4" • Special Flange Connection • Flow Rate: 35 m³/h 	2020005
MB-DLE 415 B01 S50	<ul style="list-style-type: none"> • 1.1/2" • Special Flange Connection • Flow Rate: 60 m³/h 	2020006
MB-DLE 420 B01 S50	<ul style="list-style-type: none"> • 2" • Special Flange Connection • Flow Rate: 75 m³/h 	2020007

Description: Maximum working Pressure: 360 mbar, P1max: 4 - 50 mbar, First valve fast opening/closing, second valve slow opening/fast closing

DOUBLE STAGE MULTIBLOC



Model	Description	Poz Nr.
MB-ZRDLE 405 B01 S50	<ul style="list-style-type: none"> • 1/2" • Special Flange Connection • Flow Rate: 10 m³/h 	2020008
MB-ZRDLE 407 B01 S50	<ul style="list-style-type: none"> • 3/4" • Special Flange Connection • Flow Rate: 15 m³/h 	2020009
MB-ZRDLE 410 B01 S50	<ul style="list-style-type: none"> • 1" • Special Flange Connection • Flow Rate: 23 m³/h 	2020010
MB-ZRDLE 412 B01 S50	<ul style="list-style-type: none"> • 1.1/4" • Special Flange Connection • Flow Rate: 35 m³/h 	2020011
MB-ZRDLE 415 B01 S50	<ul style="list-style-type: none"> • 1.1/2" • Special Flange Connection • Flow Rate: 60 m³/h 	2020012
MB-ZRDLE 420 B01 S50	<ul style="list-style-type: none"> • 2" • Special Flange Connection • Flow Rate: 75 m³/h 	2020013

Description: Maximum working Pressure: 360 mbar, P1max: 4 - 50 mbar, First valve fast opening/closing, second valve 2-Stage slow opening/fast closing

MULTIBLOC CONNECTION FLANGES FOR MB-D/MB-ZRD



Model	Description	Poz Nr.
VS1/2"	• Without Test Nipple	2020014
VS3/4"	• Without Test Nipple	2020015
VS1"	• Without Test Nipple	2020016
VS1.1/4"	• Without Test Nipple	2020017
VS1.1/2"	• Without Test Nipple	2020018
VS2"	• Without Test Nipple	2020019
MS1/2"	• With Test Nipple	2020020
MS3/4"	• With Test Nipple	2020021
MS1"	• With Test Nipple	2020022
MS1.1/4"	• With Test Nipple	2020023
MS1.1/2"	• With Test Nipple	2020024
MS2"	• With Test Nipple	2020025

DOUBLE SOLENOID VALVE, GAS-AIR RATIO CONTROL



Model	Description	Poz Nr.
MBC-300-VEF	• (Without GW 150 A5) 1/2"-1.1/4" Special Flange	2020026
MBC-700-VEF	• (Without GW 150 A5) 1"-2" Special Flange	2020027
MBC-1200-VEF	• (With GW 150 A5) 1"-2" Special Flange	2020028
MBC-1900-VEF	• (Filter and Without GW 150 A5) DN65	2020029
MBC-3100-VEF	• (Filter and Without GW 150 A5) DN80	2020030
MBC-5000-VEF	• (Filter ve GW 150 A5) DN80	2020031

Description : Maximum working pressure: 360 mbar, 2 safety valve, gas-air ratio control



NATURAL GAS



GAS MULTIBLOC

MULTIBLOC FOR SE TYPE WITH SERVO PRESSURE REGULATOR



Model	Description	Poz Nr.
MBC-300-SE S22	<ul style="list-style-type: none"> Outlet Pmax: 4-20 mbar 1/2"-1. 1/4" Special Flange 	2020032
MBC-300-SE S82	<ul style="list-style-type: none"> Outlet Pmax: 5-80 mbar 1/2"-1. 1/4" Special Flange 	2020033
MBC-700-SE S22	<ul style="list-style-type: none"> Outlet Pmax: 4-20 mbar 1"-2" Special Flange 	2020034
MBC-700-SE S82	<ul style="list-style-type: none"> Outlet Pmax: 5-80 mbar 1"- 2" Special Flange 	2020035
MBC-1200-SE S22	<ul style="list-style-type: none"> Outlet Pmax: 4-20 mbar 1"-2" Special Flange 	2020036
MBC-1200-SE S82	<ul style="list-style-type: none"> Outlet Pmax: 5-80 mbar 1"-2" Special Flange 	2020037
MBC-1200-SE S302	<ul style="list-style-type: none"> Outlet Pmax: 30-300 mbar 1"-2" Special Flange 	2020038

Description: Maximum working pressure: 360 mbar, 2 safety valve, servo pressure regulator

PRESSURE SPRING FOR MBC...-SE



Model	Description	Poz Nr.
246021	<ul style="list-style-type: none"> 4-20 mbar Pressure Spring 	2020039
246023	<ul style="list-style-type: none"> 40-80 mbar Pressure Spring (Black) 	2020040
246024	<ul style="list-style-type: none"> 80-150 mbar Pressure Spring (Gray) 	2020041

SPECIAL FLANGE FOR MBC-VEF & MBC-SE



Model	Description	Poz Nr.
VS1/2"	<ul style="list-style-type: none"> Without Test Nipple DMV 507/11 MBC-300 	2020014
VS3/4"	<ul style="list-style-type: none"> Without Test Nipple DMV 507/11 MBC-300 	2020015
VS1"	<ul style="list-style-type: none"> Without Test Nipple DMV 507/11 MBC-300 	2020016
VS1.1/4"	<ul style="list-style-type: none"> Without Test Nipple MBC-300 	2020017

Description: Without test nipple for MBC 300

SPECIAL FLANGE FOR MBC-VEF & MBC-SE



Model	Description	Poz Nr.
VS1"	<ul style="list-style-type: none"> Without Test Nipple DMV 512/11 MBC-700/1200 	2020016
VS1.1/4"	<ul style="list-style-type: none"> Without Test Nipple DMV 512/11 MBC-700/1200 	2020017
VS1.1/2"	<ul style="list-style-type: none"> Without Test Nipple MB/DMW 415-520 	2020018
VS2"	<ul style="list-style-type: none"> Without Test Nipple MB/DMW 415-520 	2020019

Description: With out test nipple for MBC 700 & 1200

CONNECTOR FOR MULTIBLOC

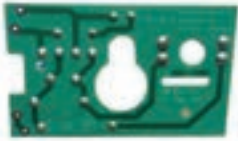


Model	Description	Poz Nr.
GDMW 3020 DF	<ul style="list-style-type: none"> Gray Connector for Pressure Switch 	2020050
GDMW 3020 CF	<ul style="list-style-type: none"> Black Connector for Valves 	2020051



GAS MULTIBLOC

ELECTRONIC CARD FOR mb..SERIES MULTIBLOC



Model	Description	Poz Nr.
263234	• Electronic Card for MB-DLE 405/407	2020052
263237	• Electronic Card for MB-DLE 410/415	2020053
263239	• Electronic Card for MB-DLE 420	2020054
263241	• Electronic Card for MB-ZRDLE 405/407	2020055
263242	• Electronic Card for MB-ZRDLE 410/415	2020056
263243	• Electronic Card for MB-ZRDLE 420	2020057



NATURAL GAS



VALVE PROVING SYSTEMS AND ACCESSORIES

VALVE PROVING SYSTEMS AND ACCESSORIES



Model	Description	Poz Nr.
VDK 200A.S02	• 220 V For Single Valve	2020058

Description : Max.working pressure: 360 mbar, Test Volume: 0,4-20,0Lt, Pressure increase by motor pump: 35-40mbar, Release Time: 10...26s..

ACCESSORIES



Model	Description	Poz Nr.
205360	• VPS 504 Mounting Plate for MV.. 505 MV..520	2020061
222740	• VPS 504 Mounting Plate for MV.. 5040 MV..5080	2020062

VALVE PROVING SYSTEMS AND ACCESSORIES



Model	Description	Poz Nr.
VPS 504 S02	• 220 V For Double Valves • With connector	2020059
VPS 504 S04	• 220 V For Double Valves • With Connector Cable	2020060

Description : Max.working pressure: 500 mbar, Test Volume: 0,1-4Lt, Pressure increase by motor pump:~20mbar, Release Time: 10...26s.



PRESSURE SWITCH FOR AIR & GAS

PRESSURE SWITCH FOR AIR



Model	Description	Poz Nr.
LGW 3A1	• Factory setting: 0,8mbar	2020063

Description : Air, Flue gas, Exhaust gas, Differential Pressure Switch, Factory setting, Hose connection

PRESSURE SWITCH FOR AIR



Model	Description	Poz Nr.
LGW 3A2	• 0,4-3 mbar	2020064
LGW 10A2	• 1-10 mbar	2020065
LGW 50A2	• 2,5-50 mbar	2020066
LGW 150A2	• 30-150 mbar	2020067

Description : Air, Flue gas, Exhaust gas, Differential Pressure Switch, Adjustable, Hose connection

DIFFERENTIAL PRESSURE SWITCH FOR AIR / GAS



Ürün Kodu	Açıklama	Ref. Kodu:
LGW 3A4	• 0,4-3 mbar	2020068
LGW 10A4	• 1-10 mbar	2020069
LGW 50A4	• 2,5-50 mbar	2020070
LGW 150A4	• 30-150 mbar	2020071

Description : Air, Flue gas, Exhaust gas, Differential Pressure Switch, Adjustable, 1/4" Connection



Model	Description	Poz Nr.
GW 3A5	• 0,7-3 mbar	2020072
GW 10A5	• 2-10 mbar	2020073
GW 50A5	• 5-50 mbar	2020074
GW 150A5	• 10-150 mbar	2020075
GW 500A5	• 100-500 mbar	2020076

Description : For the compact devices(multibloc, double valves), Pressure switch, Adjustable, O-Ring connection

PRESSURE SWITCH FOR AIR / GAS



Model	Description	Poz Nr.
GW 3A6	• 0,7-3 mbar • 1/4" Female Connection	2020077
GW 10A6	• 2-10 mbar • 1/4" Female Connection	2020078
GW 50A6	• 5-50 mbar • 1/4" Female Connection	2020079
GW 150A6	• 10-150 mbar • 1/4" Female Connection	2020080
GW 500A6	• 100-500 mbar • 1/4" Female Connection	2020081

Description : Compact Pressure Switch for ignition system, Adjustable, 1/4" Connection



NATURAL GAS

PRESSURE SWITCH FOR AIR & GAS

SIEMENS

PRESSURE SWITCH FOR AIR / GAS



Model	Description	Poz Nr.
QPL25.003 B	• 0,7-3 mbar	2010307
QPL25.010 B	• 2-10 mbar	2010308
QPL25.050 B	• 5-50 mbar	2010309
QPL25.150 B	• 10-150 mbar	2010310
QPL25.500B	• 100-500 mbar	2010311

Description : For Gas Applications, Adjustable, 1/4" Female Connection

PRESSURE SWITCH FOR AIR / GAS



Model	Description	Poz Nr.
QPL15.050 B	• 5-50 mbar	2010312
QPL15.150 B	• 10-150 mbar	2010313
QPL15.500 B	• 100-500 mbar	2010314

Description: For Gas Applications, Adjustable, O-Ring Connection

DUNGS®
Combustion Controls

PRESSURE SWITCH FOR AIR



Model	Description	Poz Nr.
KS 150 A2-7	• 0,2-1,5 mbar	2020082
KS 300 A2-7	• 0,2-3 mbar	2020083
KS 600 A2-7	• 0,3-6 mbar	2020084
KS 1000 A2-7	• 1-10 mbar	2020085
KS 3000 A2-7	• 2-30 mbar	2020086

Description : Differential Pressure Switch for filters, drivers and fans Control in Air Handling Units, Adjustable, Pipe Connection



SOLENOID VALVES FOR GAS

1-STAGE, FAST OPENING & CLOSING



Model	Description	Poz Nr.
VMR12-OTN	<ul style="list-style-type: none"> • 1/2" • Flow Rate:15 m³/h 	2040007
VMR32-OTN	<ul style="list-style-type: none"> • 1" • Flow Rate:40 m³/h 	2040008

Description : Max working Pressure 200 mbar, Safety Valve, Thread Connection, Brass Body, without Flow Rate Adjustment

1-STAGE, FAST OPENING & CLOSING



Model	Description	Poz Nr.
VMR1-2	<ul style="list-style-type: none"> • 1/2" • Flow Rate:15 m³/h 	2040009
VMR2-2	<ul style="list-style-type: none"> • 3/4" • Flow Rate:35 m³/h 	2040010
VMR3-2	<ul style="list-style-type: none"> • 1" • Flow Rate:43 m³/h 	2040011
VMR35-2	<ul style="list-style-type: none"> • 1 1/4" • Flow Rate:70 m³/h 	2040012
VMR4-2	<ul style="list-style-type: none"> • 1 1/2" • Flow Rate:100 m³/h 	2040013
VMR6-2	<ul style="list-style-type: none"> • 2" • Flow Rate:150 m³/h 	2040014

Description : Max working Pressure 200 mbar, Safety Valve, Thread Connection, Aluminium Body, with Flow Rate Adjustment

1-STAGE, FAST OPENING & CLOSING



Model	Description	Poz Nr.
VMR1-5	<ul style="list-style-type: none"> • 1/2" • Flow Rate:15 m³/h 	2040015
VMR2-5	<ul style="list-style-type: none"> • 3/4" • Flow Rate:35 m³/h 	2040016
VMR3-5	<ul style="list-style-type: none"> • 1" • Flow Rate:43 m³/h 	2040017
VMR35-5	<ul style="list-style-type: none"> • 1 1/4" • Flow Rate:70 m³/h 	2040018
VMR4-5	<ul style="list-style-type: none"> • 1 1/2" • Flow Rate:100 m³/h 	2040019
VMR6-5	<ul style="list-style-type: none"> • 2" • Flow Rate:150 m³/h 	2040020

Description : Max working Pressure 500 mbar, Safety Valve, Thread Connection, Aluminium Body, with Flow Rate Adjustment

1-STAGE, FAST OPENING & CLOSING



Model	Description	Poz Nr.
VMR7-3	<ul style="list-style-type: none"> • DN65 • Flow Rate:250 m³/h 	2040021
VMR8-3	<ul style="list-style-type: none"> • DN80 • Flow Rate:300 m³/h 	2040022
VMR9-3	<ul style="list-style-type: none"> • DN100 • Flow Rate:550 m³/h 	2040023
VMR93-3	<ul style="list-style-type: none"> • DN125 • Flow Rate:900 m³/h 	2040024
VMR95-3	<ul style="list-style-type: none"> • DN150 • Flow Rate:1200 m³/h 	2040025

Description: Max working Pressure 360 mbar, Safety Valve, Flange Connection, Aluminium Body, with Flow Rate Adjustment



NATURAL GAS



SOLENOID VALVES FOR GAS

1-STAGE, FAST OPENING & CLOSING



Model	Description	Poz Nr.
MVD 203/5	<ul style="list-style-type: none"> • 3/8" • Flow Rate:6 m³/h 	2020087
MVD 205/5	<ul style="list-style-type: none"> • 1/2" • Flow Rate:14 m³/h 	2020088
MVD 207/5	<ul style="list-style-type: none"> • 3/4" • Flow Rate:20 m³/h 	2020089
MVD 210/5	<ul style="list-style-type: none"> • 1" • Flow Rate:45 m³/h 	2020090
MVD 215/5	<ul style="list-style-type: none"> • 1.1/2" • Flow Rate:90 m³/h 	2020091

Description: Max working Pressure 360 mbar, Safety Valve, Thread Connection, Aluminium Body, with Flow Rate Adjustment

1-STAGE, FAST OPENING & CLOSING



Model	Description	Poz Nr.
MVD 2040/5	<ul style="list-style-type: none"> • DN40 • Flow Rate:90 m³/h 	2020094
MVD 2050/5	<ul style="list-style-type: none"> • DN50 • Flow Rate:130 m³/h 	2020095
MVD 2065/5	<ul style="list-style-type: none"> • DN65 • Flow Rate:240 m³/h 	2020096
MVD 2080/5	<ul style="list-style-type: none"> • DN80 • Flow Rate:350 m³/h 	2020097
MVD 2100/5	<ul style="list-style-type: none"> • DN100 • Flow Rate:500 m³/h 	2020098

Description : Max working Pressure 200 mbar, Safety Valve, Flange Connection, Aluminium Body, with Flow Rate Adjustment

1-STAGE, FAST OPENING & CLOSING



Model	Description	Poz Nr.
MVD 220/5	<ul style="list-style-type: none"> • 2" • Flow Rate:120 m³/h 	2020092
MVD 225/5	<ul style="list-style-type: none"> • 2.1/2" • Flow Rate:240 m³/h 	2020093

Description: Max working Pressure 200 mbar, Safety Valve, Thread Connection, Aluminium Body, with Flow Rate Adjustment

1-STAGE, FAST OPENING & CLOSING



Model	Description	Poz Nr.
MVD 503/5	<ul style="list-style-type: none"> • 3/8" • Flow Rate:6 m³/h 	2020099
MVD 505/5	<ul style="list-style-type: none"> • 1/2" • Flow Rate:14 m³/h 	2020100
MVD 507/5	<ul style="list-style-type: none"> • 3/4" • Flow Rate:20 m³/h 	2020101
MVD 510/5	<ul style="list-style-type: none"> • 1" • Flow Rate:45 m³/h 	2020102
MVD 515/5	<ul style="list-style-type: none"> • 1.1/2" • Flow Rate:90 m³/h 	2020103
MVD 520/5	<ul style="list-style-type: none"> • 2" • Flow Rate:120 m³/h 	2020104
MVD 525/5	<ul style="list-style-type: none"> • 2.1/2" • Flow Rate:240 m³/h 	2020105

Description: Max working Pressure 500 mbar, Safety Valve, Thread Connection, Aluminium Body, with Flow Rate Adjustment



SOLENOID VALVES FOR GAS

1-STAGE, FAST OPENING & CLOSING



Model	Description	Poz Nr.
MVD 5040/5	• DN40 • Flow Rate:90 m ³ /h	2020106
MVD 5050/5	• DN50 • Flow Rate:130 m ³ /h	2020107
MVD 5065/5	• DN65 • Flow Rate:240 m ³ /h	2020108
MVD 5080/5	• DN80 • Flow Rate:350 m ³ /h	2020109
MVD 5100/5	• DN100 • Flow Rate:500 m ³ /h	2020110
MVD 5125/5	• DN125 • Flow Rate:900 m ³ /h	2020111
MVD 5150/5	• DN150 • Flow Rate :1400 m ³ /h	2020112

Description: Max working Pressure 500 mbar, Safety Valve, Flange Connection, Aluminium Body, with Flow Rate Adjustment



1-STAGE, FAST OPENING & CLOSING



Model	Description	Poz Nr.
VML1-2	• 1/2" • Flow Rate:15 m ³ /h	2040026
VML2-2	• 3/4" • Flow Rate:35 m ³ /h	2040027
VML3-2	• 1" • Flow Rate:45 m ³ /h	2040028
VML35-2	• 1 ¹ / ₄ " • Flow Rate:70 m ³ /h	2040029
VML4-2	• 1 ¹ / ₂ " • Flow Rate:90 m ³ /h	2040030
VML6-2	• 2" • Flow Rate:150 m ³ /h	2040031

Description: Max working Pressure 200 mbar, Safety Valve, Thread Connection, Aluminium Body, with Flow Rate Adjustment

1-STAGE, FAST OPENING & CLOSING



Model	Description	Poz Nr.
VML1-5	• 1/2" • Flow Rate:15 m ³ /h	2040032
VML2-5	• 3/4" • Flow Rate:35 m ³ /h	2040033
VML3-5	• 1" • Flow Rate:45 m ³ /h	2040034
VML35-5	• 1 ¹ / ₄ " • Flow Rate:70 m ³ /h	2040035
VML4-5	• 1 ¹ / ₂ " • Flow Rate:90 m ³ /h	2040036
VML6-5	• 2" • Flow Rate:150 m ³ /h	2040037

Description: Max working Pressure 500 mbar, Safety Valve, Thread Connection, Aluminium Body, with Flow Rate Adjustment



NATURAL GAS

SOLENOID VALVES FOR GAS



1-STAGE, SLOW OPENING - FAST CLOSING



Model	Description	Poz Nr.
VML7-3	<ul style="list-style-type: none"> • DN65 • Flow Rate:240 m³/h 	2040038
VML8-3	<ul style="list-style-type: none"> • DN80 • Flow Rate:300 m³/h 	2040039

Description: Max working Pressure 360 mbar, Safety Valve, Flange Connection, Aluminium Body, with Flow Rate Adjustment.



1-STAGE, SLOW OPENING - FAST CLOSING



Model	Description	Poz Nr.
MVDLE 205/5	<ul style="list-style-type: none"> • 1/2" • Flow Rate:14 m³/h 	2020113
MVDLE 207/5	<ul style="list-style-type: none"> • 3/4" • Flow Rate:20 m³/h 	2020114
MVDLE 210/5	<ul style="list-style-type: none"> • 1" • Flow Rate:45 m³/h 	2020115
MVDLE 215/5	<ul style="list-style-type: none"> • 1.1/2" • Flow Rate:90 m³/h 	2020116

Açıklama: Max working Pressure 360 mbar, Safety Valve, Thread Connection, Aluminium Body, with Flow Rate Adjustment

1-STAGE, SLOW OPENING - FAST CLOSING



Model	Description	Poz Nr.
MVDLE 2040/5	<ul style="list-style-type: none"> • DN40 • Flow Rate:90 m³/h 	2020119
MVDLE 2050/5	<ul style="list-style-type: none"> • DN50 • Flow Rate:120 m³/h 	2020120
MVDLE 2065/5	<ul style="list-style-type: none"> • DN65 • Flow Rate:240 m³/h 	2020121
MVDLE 2080/5	<ul style="list-style-type: none"> • DN80 • Flow Rate:350 m³/h 	2020122
MVDLE 2100/5	<ul style="list-style-type: none"> • DN100 • Flow Rate:500 m³/h 	2020123

Description: Max working Pressure 200 mbar, Safety Valve, Flange Connection, Aluminium Body, with Flow Rate Adjustment

1-STAGE, SLOW OPENING - FAST CLOSING



Model	Description	Poz Nr.
MVDLE 220/5	<ul style="list-style-type: none"> • 2" • Flow Rate:120 m³/h 	2020117
MVDLE 225/5	<ul style="list-style-type: none"> • 2.1/2" • Flow Rate:90 m³/h 	2020118

Description: Max working Pressure 200 mbar, Safety Valve, Thread Connection, Aluminium Body, with Flow Rate Adjustment



SOLENOID VALVES FOR GAS

1-STAGE, SLOW OPENING & FAST CLOSING



Model	Description	Poz Nr.
MVDLE 505/5	<ul style="list-style-type: none"> • 1/2" • Flow Rate:14 m³/h 	2020124
MVDLE 507/5	<ul style="list-style-type: none"> • 3/4" • Flow Rate:20 m³/h 	2020125
MVDLE 510/5	<ul style="list-style-type: none"> • 1" • Flow Rate:45 m³/h 	2020126
MVDLE 515/5	<ul style="list-style-type: none"> • 1.1/2" • Flow Rate:90 m³/h 	2020127
MVDLE 520/5	<ul style="list-style-type: none"> • 2" • Flow Rate:120 m³/h 	2020128

Description: Max working Pressure 500 mbar, Safety Valve, Thread Connection, Aluminium Body, with opening speed and flow rate adjustment

2-STAGE, SLOW OPENING & FAST CLOSING



Model	Description	Poz Nr.
ZRDLE 407/5	<ul style="list-style-type: none"> • 3/4" • Flow Rate:30 m³/h 	2020129
ZRDLE 410/5	<ul style="list-style-type: none"> • 1" • Flow Rate:42 m³/h 	2020130
ZRDLE 415/5	<ul style="list-style-type: none"> • 1.1/2" • Flow Rate:90 m³/h 	2020131
ZRDLE 420/5	<ul style="list-style-type: none"> • 2" • Flow Rate:150 m³/h 	2020132

Description: Max working Pressure 500 mbar, Safety Valve, Thread Connection, Aluminium Body, with opening speed and flow rate adjustment



DOUBLE VALVES FAST OPENING & CLOSING



Model	Description	Poz Nr.
VMM202AF00	<ul style="list-style-type: none"> • 3/4" • Flow Rate:20 m³/h 	2040040
VMM252AF00	<ul style="list-style-type: none"> • 1" • Flow Rate:25 m³/h 	2040041
VMM322AF00	<ul style="list-style-type: none"> • 1.1/4" • Flow Rate:75 m³/h 	2040042
VMM402AF00	<ul style="list-style-type: none"> • 1.1/2" • Flow Rate:90 m³/h 	2040043
VMM502AF00	<ul style="list-style-type: none"> • 2" • Flow Rate:100 m³/h 	2040044

Description: Max working Pressure 200 mbar, Safety Valve, Thread Connection, Aluminium Body, with flow rate adjustment

DOUBLE VALVES FAST OPENING & CLOSING



Model	Description	Poz Nr.
VMM652AF00	<ul style="list-style-type: none"> • DN65 • Flow Rate:200 m³/h 	2040045
VMM802AF00	<ul style="list-style-type: none"> • DN80 • Flow Rate:220 m³/h 	2040046

Description: Max working Pressure 200 mbar, Safety Valve, Flange Connection, Aluminium Body, with flow rate adjustment



NATURAL GAS



SOLENOID VALVES FOR GAS

DOUBLE VALVES FAST OPENING & CLOSING



Model	Description	Poz Nr.
VMM205AF00	• 3/4" • Flow Rate:20 m ³ /h	2040047
VMM255AF00	• 1" • Flow Rate:25 m ³ /h	2040048
VMM325AF00	• 1 ¹ / ₄ " • Flow Rate:75 m ³ /h	2040049
VMM405AF00	• 1 ¹ / ₂ " • Flow Rate:90 m ³ /h	2040050
VMM505AF00	• 2" • Flow Rate:100 m ³ /h	2040051

Description: Max working Pressure 500 mbar, Safety Valve, Thread Connection, Aluminium Body, with flow rate adjustment

DOUBLE VALVES FAST OPENING & CLOSING



Model	Description	Poz Nr.
VMM655AF00	• DN65 • Flow Rate:200 m ³ /h	2040052
VMM805AF00	• DN80 • Flow Rate: 220 m ³ /h	2040053

Description: Max working Pressure 500 mbar, Safety Valve, Flange Connection, Aluminium Body, with flow rate adjustment



DOUBLE VALVES FAST OPENING & CLOSING



Model	Description	Poz Nr.
DMV-D 503/11	• 3/8"-1/2" Special Connection • Flow Rate:6 m ³ /h	2020133
DMV-D 507/11	• 1/2"-3/4"-1" Special Connection • Flow Rate:23 m ³ /h	2020134
DMV-D 512/11	• 1"-1 ¹ / ₄ ". 1 ¹ / ₂ "-2" Special Connection • Flow Rate:65 m ³ /h	2020135
DMV-D 520/11	• 1"-1 ¹ / ₄ ". 1 ¹ / ₂ "-2" Special Connection • Flow Rate:100 m ³ /h	2020136

Description: Max working Pressure 500 mbar, Safety Valve, Thread Connection, Aluminium Body, with flow rate adjustment.

DOUBLE VALVES FAST OPENING & CLOSING



Model	Description	Poz Nr.
DMV-D 5065/11	• DN65 Flange Connection • Flow Rate:160 m ³ /h	2020137
DMV-D 5080/11	• DN80 Flange Connection • Flow Rate:250 m ³ /h	2020138
DMV-D 5100/11	• DN100 Flange Connection • Flow Rate:375 m ³ /h	2020139
DMV-D 5125/11	• DN125 Flange Connection • Flow Rate:625 m ³ /h	2020140

Description: Max working Pressure 500 mbar, Safety Valve, Flange Connection, Aluminium Body, with flow rate adjustment.



SOLENOID VALVES FOR GAS



DOUBLE VALVES SLOW OPENING & FAST CLOSING



Model	Description	Poz Nr.
VMM202AS00	• 3/4" • Flow Rate:20 m ³ /h	2040054
VMM252AS00	• 1" • Flow Rate:25 m ³ /h	2040055
VMM322AS00	• 1.1/4" • Flow Rate:75 m ³ /h	2040056
VMM402AS00	• 1.1/2" • Flow Rate:90 m ³ /h	2040057
VMM502AS00	• 2" • Flow Rate:100 m ³ /h	2040058

Description: Max working Pressure 200 mbar, Safety Valve, Thread Connection, Aluminium Body, with opening speed and flow rate adjustment

DOUBLE VALVES SLOW OPENING & FAST CLOSING



Model	Description	Poz Nr.
VMM205AS00	• 3/4" • Flow Rate:20 m ³ /h	2040061
VMM255AS00	• 1" • Flow Rate:25 m ³ /h	2040062
VMM325AS00	• 1.1/4" • Flow Rate:75 m ³ /h	2040063
VMM405AS00	• 1.1/2" • Flow Rate:90 m ³ /h	2040064
VMM505AS00	• 2" • Flow Rate:100 m ³ /h	2040065

Description: Max working Pressure 200 mbar, Safety Valve, Thread Connection, Aluminium Body, with opening speed and flow rate adjustment

DOUBLE VALVES SLOW OPENING & FAST CLOSING



Model	Description	Poz Nr.
VMM652AS00	• DN65 • Flow Rate:200 m ³ /h	2040059
VMM802AS00	• DN80 • Flow Rate:220 m ³ /h	2040060

Description: Max working Pressure 200 mbar, Safety Valve, Flange Connection, Aluminium Body, with opening speed and flow rate adjustment

DOUBLE VALVES SLOW OPENING & FAST CLOSING



Model	Description	Poz Nr.
VMM655AS00	• DN65 • Flow Rate:200 m ³ /h	2040066
VMM805AS00	• DN80 • Flow Rate:220 m ³ /h	2040067

Description: Max working Pressure 500 mbar, Safety Valve, Flange Connection, Aluminium Body, with opening speed and flow rate adjustment



NATURAL GAS

SOLENOID VALVES FOR GAS

DOUBLE VALVES SLOW OPENING & FAST CLOSING



Model	Description	Poz Nr.
DMV-DLE 503/11	<ul style="list-style-type: none"> • 3/8" Special Connection • Flow Rate:6 m³/h 	2020141
DMV-DLE 507/11	<ul style="list-style-type: none"> • 1/2" -3/4" • 1" Special Connection • Flow Rate:23 m³/h 	2020142
DMV-DLE 512/11	<ul style="list-style-type: none"> • 1"-1¹/₄"- 1¹/₂"-2" Special Connection • Flow Rate:65 m³/h 	2020143
DMV-DLE 520/11	<ul style="list-style-type: none"> • 1"-1¹/₄"- 1¹/₂"-2" Special Connection • Flow Rate:100 m³/h 	2020144

Description: Max working Pressure 500 mbar, Safety Valve, Thread Connection, Aluminium Body, with opening speed and flow rate adjustment

DOUBLE VALVES SLOW OPENING & FAST CLOSING



Model	Description	Poz Nr.
DMV-DLE 5065/11	<ul style="list-style-type: none"> • DN65 • Flange Connection • Flow Rate:160 m³/h 	2020145
DMV-DLE 5080/11	<ul style="list-style-type: none"> • DN80 • Flange Connection • Flow Rate:250 m³/h 	2020146
DMV-DLE 5100/11	<ul style="list-style-type: none"> • DN100 • Flange Connection • Flow Rate:375m³/h 	2020147
DMV-DLE 5125/11	<ul style="list-style-type: none"> • DN125 • Flange Connection • Flow Rate:625m³/h 	2020148

Description: Max working Pressure 500 mbar, Safety Valve, Flange Connection, Aluminium Body, with opening speed and flow rate adjustment

DOUBLE VALVES SLOW OPENING & FAST CLOSING, MODEL ECO



Model	Description	Poz Nr.
DMV 525/11 eco	<ul style="list-style-type: none"> • 2" Special Connection • Debi:140 m³/h 	2020149
DMV 5065/11 eco	<ul style="list-style-type: none"> • DN65 • Flange Connection • Debi:160 m³/h 	2020150
DMV 5080/11 eco	<ul style="list-style-type: none"> • DN80 • Flange Connection • Debi:250 m³/h 	2020151
DMV 5100/11 eco	<ul style="list-style-type: none"> • DN100 • Flange Connection • Debi:400 m³/h 	2020152
DMV 5125/11 eco	<ul style="list-style-type: none"> • DN125 • Flange Connection • Debi:700 m³/h 	2020153

Description: Max working Pressure 500 mbar, Safety Valve, Flange Connection, Aluminium Body, without flow rate adjustment

DOUBLE VALVES SLOW OPENING & FAST CLOSING, MODEL ECO



Model	Description	Poz Nr.
DMV-D 525/11 eco	<ul style="list-style-type: none"> • 2" Special Connection • Flow Rate:140 m³/h 	2020154
DMV-D 5065/11 eco	<ul style="list-style-type: none"> • DN65 • Flange Connection • Flow Rate:160 m³/h 	2020155
DMV-D 5080/11 eco	<ul style="list-style-type: none"> • DN80 • Flange Connection • Flow Rate:250 m³/h 	2020156
DMV-D 5100/11 eco	<ul style="list-style-type: none"> • DN100 • Flange Connection • Flow Rate:400 m³/h 	2020157
DMV-D 5125/11 eco	<ul style="list-style-type: none"> • DN125 • Flange Connection • Flow Rate:700 m³/h 	2020158

Description: Max working Pressure 500 mbar, Safety Valve, Flange Connection, Aluminium Body, with flow rate adjustment.



SOLENOID VALVES FOR GAS

DOUBLE VALVES SLOW OPENING & FAST CLOSING, MODEL ECO



Model	Description	Poz Nr.
DMV-DLE 525/11 eco	<ul style="list-style-type: none"> • 2" Special Connection • Flow Rate:140 m³/h 	2020159
DMV-DLE 5065/11 eco	<ul style="list-style-type: none"> • DN65 • Flange Connection • Flow Rate:160 m³/h 	2020160
DMV-DLE 5080/11 eco	<ul style="list-style-type: none"> • DN80 • Flange Connection • Flow Rate:250 m³/h 	2020161
DMV-DLE 5100/11 eco	<ul style="list-style-type: none"> • DN100 • Flange Connection • Flow Rate:400 m³/h 	2020162
DMV-DLE 5125/11 eco	<ul style="list-style-type: none"> • DN125 • Flange Connection • Flow Rate:700 m³/h 	2020163

Description: Max working Pressure 500 mbar, Safety Valve, Flange Connection, Aluminium Body, with opening speed and flow rate adjustment.

CONNECTION FLANGE FOR DOUBLE VALVES



Model	Description	Poz Nr.
VS3/8"	<ul style="list-style-type: none"> • Flanged without testing nipple for DMV 503/11 	2020164
VS1/2"	<ul style="list-style-type: none"> • Flanged without testing nipple for DMV 503/11 	2020014
VS1/2"	<ul style="list-style-type: none"> • Flanged without testing nipple for DMV 507/11 	2020014
VS3/4"	<ul style="list-style-type: none"> • Flanged without testing nipple for DMV 507/11 	2020015
VS1"	<ul style="list-style-type: none"> • Flanged without testing nipple for DMV 507/11 	2020016
VS1"	<ul style="list-style-type: none"> • Flanged without testing nipple for DMV 512/11-520/11 	2020016
VS1.1/4"	<ul style="list-style-type: none"> • Flanged without testing nipple for DMV 512/11-MBC-700/1200 	2020017
VS1.1/2"	<ul style="list-style-type: none"> • Flanged without testing nipple for DMV 512/11-520/11 	2020018
VS2"	<ul style="list-style-type: none"> • Flanged without testing nipple for DMV 512/11-520/11 	2020019



MANUEL RESET SAFETY VALVES, NORMALLY OPEN



Model	Description	Poz Nr.
EVRMNA1-OT	<ul style="list-style-type: none"> • 1/2" • Flow Rate:3,5 m³/h 	2040068
EVRM NA2-OT	<ul style="list-style-type: none"> • 3/4" • Flow Rate:7 m³/h 	2040069
EVRMNA3-OT	<ul style="list-style-type: none"> • 1" • Flow Rate:17 m³/h 	2040070

Description: Max working Pressure 600 mbar, Thread Connection, Brass Body

MANUEL RESET SAFETY VALVES, NORMALLY OPEN



Model	Description	Poz Nr.
EVRMNA1	<ul style="list-style-type: none"> • 1/2" • Flow Rate:15 m³/h 	2040071
EVRMNA2	<ul style="list-style-type: none"> • 3/4" • Flow Rate:35 m³/h 	2040072
EVRMNA3	<ul style="list-style-type: none"> • 1" • Flow Rate:45 m³/h 	2040073
EVRMNA35	<ul style="list-style-type: none"> • 1¹/₄" • Flow Rate:70 m³/h 	2040074
EVRMNA4	<ul style="list-style-type: none"> • 1¹/₂" • Flow Rate:90 m³/h 	2040075
EVRMNA6	<ul style="list-style-type: none"> • 2" • Flow Rate:150 m³/h 	2040076

Description: Max working Pressure 600 mbar, Thread Connection, Aluminium Body



NATURAL GAS

SOLENOID VALVES FOR GAS



MANUEL RESET SAFETY VALVES, NORMALLY OPEN



Model	Description	Poz Nr.
EVRMNA7	<ul style="list-style-type: none"> • DN65 • Flow Rate:230 m³/h 	2040077
EVRMNA8	<ul style="list-style-type: none"> • DN80 • Flow Rate:300 m³/h 	2040078
EVRMNA9	<ul style="list-style-type: none"> • DN100 • Flow Rate:550 m³/h 	2040079
EVRMNA93	<ul style="list-style-type: none"> • DN125 • Flow Rate:900 m³/h 	2040080
EVRMNA95	<ul style="list-style-type: none"> • DN150 • Flow Rate:1200 m³/h 	2040081
EVRMNA98	<ul style="list-style-type: none"> • DN200 • Flow Rate:2000 m³/h 	2040082

Description: Max working Pressure 600 mbar, Flange Connection, Aluminium Body

MANUEL RESET SAFETY VALVES, NORMALLY OPEN



Model	Description	Poz Nr.
EVRM 6NA1	<ul style="list-style-type: none"> • 1/2" • Flow Rate:15 m³/h 	2040086
EVRM 6NA2	<ul style="list-style-type: none"> • 3/4" • Flow Rate:35 m³/h 	2040087
EVRM 6NA3	<ul style="list-style-type: none"> • 1" • Flow Rate:45 m³/h 	2040088
EVRM 6NA35	<ul style="list-style-type: none"> • 1¹/₄" • Flow Rate:70 m³/h 	2040089
EVRM 6NA4	<ul style="list-style-type: none"> • 1¹/₂" • Flow Rate:90 m³/h 	2040090
EVRM 6NA6	<ul style="list-style-type: none"> • 2" • Flow Rate:150 m³/h 	2040091

Description: Max working Pressure 6 bar, Thread Connection, Aluminium Body

MANUEL RESET SAFETY VALVES, NORMALLY OPEN



Model	Description	Poz Nr.
EVRM 6NA1-OT	<ul style="list-style-type: none"> • 1/2" • Flow Rate:3,5 m³/h 	2040083
EVRM 6NA2-OT	<ul style="list-style-type: none"> • 3/4" • Flow Rate:7 m³/h 	2040084
EVRM 6NA3-OT	<ul style="list-style-type: none"> • 1" • Flow Rate:17 m³/h 	2040085

Description: Max working Pressure 6 bar, Thread Connection, Brass Body

MANUEL RESET SAFETY VALVES, NORMALLY OPEN



Model	Description	Poz Nr.
EVRM 6NA7	<ul style="list-style-type: none"> • DN65 • Flow Rate:230 m³/h 	2040092
EVRM 6NA8	<ul style="list-style-type: none"> • DN80 • Flow Rate:300 m³/h 	2040093
EVRM 6NA9	<ul style="list-style-type: none"> • DN100 • Flow Rate:550 m³/h 	2040094
EVRM 6NA93	<ul style="list-style-type: none"> • DN125 • Flow Rate:900 m³/h 	2040095
EVRM 6NA95	<ul style="list-style-type: none"> • DN150 • Flow Rate:1200 m³/h 	2040096
EVRM 6NA98	<ul style="list-style-type: none"> • DN200 • Flow Rate:2000 m³/h 	2040097

Description: Max working Pressure 6 bar, Flange Connection, Aluminium Body

**SOLENOID VALVES FOR GAS****MANUEL RESET SAFETY VALVES, NORMALLY CLOSED**

Model	Description	Poz Nr.
EVRMNC1-OT	• 1/2" • Flow Rate:3,5 m ³ /h	2040098
EVRMNC2-OT	• 3/4" • Flow Rate:7 m ³ /h	2040099
EVRMNC3-OT	• 1" • Flow Rate:17 m ³ /h	2040100
Description: Max working Pressure 600 mbar, Thread Connection, Brass Body		

MANUEL RESET SAFETY VALVES, NORMALLY CLOSED

Model	Description	Poz Nr.
EVRMNC1	• 1/2" • Flow Rate:15 m ³ /h	2040101
EVRMNC2	• 3/4" • Flow Rate:35 m ³ /h	2040102
EVRMNC3	• 1" • Flow Rate:45 m ³ /h	2040103
EVRMNC35	• 1.1/4" • Flow Rate:70 m ³ /h	2040104
EVRMNC4	• 1.1/2" • Flow Rate:90 m ³ /h	2040105
EVRMNC6	• 2" • Flow Rate:150 m ³ /h	2040106
Description: Max working Pressure 600 mbar, Thread Connection, Aluminium Body		

MANUEL RESET SAFETY VALVES, NORMALLY CLOSED

Model	Description	Poz Nr.
EVRMNC7	• DN65 • Flow Rate:230 m ³ /h	2040107
EVRMNC8	• DN80 • Flow Rate:300 m ³ /h	2040108
EVRMNC9	• DN100 • Flow Rate:550 m ³ /h	2040109
EVRMNC93	• DN125 • Flow Rate:900 m ³ /h	2040110
EVRMNC95	• DN150 • Flow Rate:1200 m ³ /h	2040111
EVRMNC98	• DN200 • Flow Rate:2000 m ³ /h	2040112
Description: Max working Pressure 600 mbar, Flange Connection, Aluminium Body		

MANUEL RESET SAFETY VALVES, NORMALLY CLOSED

Model	Description	Poz Nr.
EVRM 6NC1-OT	• 1/2" • Flow Rate:3,5 m ³ /h	2040113
EVRM 6NC2-OT	• 3/4" • Flow Rate:7 m ³ /h	2040114
EVRM 6NC3-OT	• 1" • Flow Rate:17 m ³ /h	2040115
Description: Max working Pressure 6 bar, Thread Connection, Brass Body		



NATURAL GAS

SOLENOID VALVES FOR GAS



MANUEL RESET SAFETY VALVES, NORMALLY CLOSED



Model	Description	Poz Nr.
EVRM 6NC1	• 1/2" • Flow Rate:15 m ³ /h	2040116
EVRM 6NC2	• 3/4" • Flow Rate:35 m ³ /h	2040117
EVRM 6NC3	• 1" • Flow Rate:45 m ³ /h	2040118
EVRM 6NC35	• 1.1/4" • Flow Rate:70 m ³ /h	2040119
EVRM 6NC4	• 1.1/2" • Flow Rate:90 m ³ /h	2040120
EVRM 6NC6	• 2" • Flow Rate:150 m ³ /h	2040121

Description: Max working Pressure 6 bar, Thread Connection, Aluminium Body

MANUEL RESET SAFETY VALVES, NORMALLY CLOSED



Model	Description	Poz Nr.
EVRM 6NC7	• DN65 • Flow Rate:230 m ³ /h	2040122
EVRM 6NC8	• DN80 • Flow Rate:300 m ³ /h	2040123
EVRM 6NC9	• DN100 • Flow Rate:550 m ³ /h	2040124
EVRM 6NC93	• DN125 • Flow Rate:900 m ³ /h	2040125
EVRM 6NC95	• DN150 • Flow Rate:1200 m ³ /h	2040126
EVRM 6NC98	• DN200 • Flow Rate:2000 m ³ /h	2040127

Description: Max working Pressure 6 bar, Flange Connection, Aluminium Body

COIL FOR SOLENOID VALVES



Model	Description	Poz Nr.
VMR3-8-1/2"	• 12-24-220V. IP54 • ED %100	2040128
VMR3/4"-1"	• 12-24-220V. IP54 • ED %100	2040129
VMR1.1/4-1.1/2"-2"	• 12-24-220V. IP54 • ED %100	2040130
VMR DN65-DN80	• 12-24-220V. IP54 • ED %100	2040131
VMR DN100	• 12-24-220V. IP54 • ED %100	2040132

Description: Coil for VMR..-VML..Valves

COIL FOR SOLENOID VALVES



Model	Description	Poz Nr.
EVRMNA 3/8"-2"	• 12-24-220V. IP54 • ED %100 BRASS-ALM.	2040133
EVRMNA DN65-200	• 12-24-220V. IP54 • ED %100 ALM.	2040134

Description: Coil for EVRMNA..Valves

COIL FOR SOLENOID VALVES



Model	Description	Poz Nr.
EVRMNC 3/8"-1"	• 12-24-220V. IP54 • ED %100 BRASS	2040135
EVRMNC 3/8"-DN80	• 12-24-220V. IP54 • ED %100 ALM.	2040136
EVRMNC DN100-DN200	• 12-24-220V. IP54 • ED %100 ALM.	2040137
	Connector Plug	2040138

Description: Coil for EVRMNC..Valves



PRESSURE REGULATORS

GAS PRESSURE REGULATORS



Model	Description	Poz Nr.
FRS 505	• 1/2" • Flow Rate:16 m ³ /h	2020173
FRS 507	• 3/4" • Flow Rate:28 m ³ /h	2020174
FRS 510	• 1" • Flow Rate:50 m ³ /h	2020175
FRS 515	• 1.1/2" • Flow Rate:90 m ³ /h	2020176
FRS 520	• 2" • Flow Rate:140 m ³ /h	2020177

Description: Max working pressure 500 mbar, Threar Connection, Po: 2,5 - 200 mbar

GAS PRESSURE REGULATORS



Model	Description	Poz Nr.
FRS 5065	• DN65 • Flow Rate:250 m ³ /h	2020178
FRS 5080	• DN80 • Flow Rate:400 m ³ /h	2020179
FRS 5100	• DN100 • Flow Rate:600 m ³ /h	2020180
FRS 5125	• DN125 • Flow Rate:780 m ³ /h	2020181
FRS 5150	• DN150 • Flow Rate:1300 m ³ /h	2020182

Description: Max working pressure 500 mbar, Flange Connection, Po: 2,5 - 200 mbar

GAS PRESSURE REGULATORS WITH FILTER



Model	Description	Poz Nr.
FRG/2MTE DN15	• 1/2" • Flow Rate:10 m ³ /h	2050001
FRG/2MTE DN20	• 3/4" • Flow Rate:15 m ³ /h	2050002
FRG/2MTE DN25	• 1" • Flow Rate:20 m ³ /h	2050003

Description: Max working pressure 500 mbar, Thread Connection, Po:10 - 110 mbar, Filter ≤50µm

GAS PRESSURE REGULATORS WITH FILTER



Model	Description	Poz Nr.
FRG/2MC DN20	• 3/4" • Flow Rate:34 m ³ /h	2050004
FRG/2MC DN25	• 1" • Flow Rate:34 m ³ /h	2050005
FRG/2MC DN32	• 1.1/4" • Flow Rate:85 m ³ /h	2050006
FRG/2MC DN40	• 1.1/2" • Flow Rate:85 m ³ /h	2050007
FRG/2MC DN50	• 2" • Flow Rate:135 m ³ /h	2050008

Description: Max working pressure 1 bar, Thread Connection, Po:10 - 110 mbar, Filter ≤50µm



NATURAL GAS



PRESSURE REGULATORS

GAS PRESSURE REGULATORS WITH FILTER



Model	Description	Poz Nr.
FRG/2MC DN65	<ul style="list-style-type: none"> • DN65 • Flow Rate:340 m³/h 	2050009
FRG/2MC DN80	<ul style="list-style-type: none"> • DN80 • Flow Rate:360 m³/h 	2050010
FRG/2MC DN100	<ul style="list-style-type: none"> • DN100 • Flow Rate:500 m³/h 	2050011

Description : Max working pressure 1 bar, Flange Connection,
Po:10 - 110 mbar, Filter ≤50µm



GAS PRESSURE REGULATORS WITH FILTER



Model	Description	Poz Nr.
SDFR015	<ul style="list-style-type: none"> • 1/2" • Flow Rate:33 m³/h 	2190001
SDFR020	<ul style="list-style-type: none"> • 3/4" • Flow Rate:35 m³/h 	2190002
SDFR025	<ul style="list-style-type: none"> • 1" • Flow Rate:35 m³/h 	2190003

Description : Max working pressure 1 bar, Flange Connection,
Po:10 - 110 mbar, Filter ≤50µm



PRESSURE REGULATORS

SAFETY SHUT-OFF GAS REGULATOR WITH FILTER



Model	Description	Poz Nr.
FRG/2MB DN20	<ul style="list-style-type: none"> • 3/4" • Flow Rate:34 m³/h 	2050012
FRG/2MB DN25	<ul style="list-style-type: none"> • 1" • Flow Rate:34 m³/h 	2050013
FRG/2MB DN32	<ul style="list-style-type: none"> • 1.1/4" • Flow Rate:85 m³/h 	2050014
FRG/2MB DN40	<ul style="list-style-type: none"> • 1.1/2" • Flow Rate:85 m³/h 	2050015
FRG/2MB DN50	<ul style="list-style-type: none"> • 2" • Flow Rate:135 m³/h 	2050016

Description: Max working pressure 1 bar, Thread Connection,
Po:10 - 110 mbar, Filter ≤50µm

SAFETY SHUT-OFF GAS REGULATOR WITH FILTER



Model	Description	Poz Nr.
SDFR015/B	<ul style="list-style-type: none"> • 1/2" • Flow Rate:33 m³/h 	2190004
SDFR020/B	<ul style="list-style-type: none"> • 3/4" • Flow Rate:35 m³/h 	2190005
SDFR025/B	<ul style="list-style-type: none"> • 1" • Flow Rate:35 m³/h 	2190006

Description: Max working pressure 1 bar, Flange Connection,
Po:10 - 110 mbar, Filter ≤50µm



NATURAL GAS



PRESSURE REGULATORS

ZERO/PROPORTIONAL/COMPRESSED AIR CONTROL PRESSURE REGULATORS



Model	Description	Poz Nr.
FRNG 505	<ul style="list-style-type: none"> • 1/2" • Flow Rate:16 m³/h 	2020183
FRNG 507	<ul style="list-style-type: none"> • 3/4" • Flow Rate:28 m³/h 	2020184
FRNG 510	<ul style="list-style-type: none"> • 1" • Flow Rate:40 m³/h 	2020185
FRNG 515	<ul style="list-style-type: none"> • 1 1/2" • Flow Rate:78 m³/h 	2020186
FRNG 520	<ul style="list-style-type: none"> • 2" • Flow Rate:120 m³/h 	2020187

Description: Max working pressure for air 500 mbar - for zero pressure 5-50 mbar- for compressed air control pressure 5-200 mbar, Po for air 350 mbar - for zero pressure 3-5 mbar - for compressed air control pressure 10-150 mbar, Thread Connection

ZERO/PROPORTIONAL/COMPRESSED AIR CONTROL PRESSURE REGULATORS



Model	Description	Poz Nr.
FRNG 5065	<ul style="list-style-type: none"> • DN65 • Flow Rate:200 m³/h 	2020188
FRNG 5080	<ul style="list-style-type: none"> • DN80 • Flow Rate:350 m³/h 	2020189
FRNG 5100	<ul style="list-style-type: none"> • DN100 • Flow Rate:550 m³/h 	2020190
FRNG 5125	<ul style="list-style-type: none"> • DN125 • Flow Rate:780 m³/h 	2020191

Description: Max working pressure for air 500 mbar - for zero pressure 5-50 mbar- for compressed air control pressure 5-200 mbar, Po for air 350 mbar - for zero pressure 3-5 mbar - for compressed air control pressure 10-150 mbar, Flange Connection



ZERO/PROPORTIONAL/COMPRESSED AIR CONTROL PRESSURE REGULATORS



Model	Description	Poz Nr.
AG/RC	<ul style="list-style-type: none"> • 1/2" • Flow Rate:20 m³/h 	2050017
AG/RC	<ul style="list-style-type: none"> • 3/4" • Flow Rate:34 m³/h 	2050018
AG/RC	<ul style="list-style-type: none"> • 1" • Flow Rate:34 m³/h 	2050019
AG/RC	<ul style="list-style-type: none"> • 1 1/4" • Flow Rate:70 m³/h 	2050020
AG/RC	<ul style="list-style-type: none"> • 1 1/2" • Flow Rate:75 m³/h 	2050021
AG/RC	<ul style="list-style-type: none"> • 2" • Flow Rate:125 m³/h 	2050022

Description: Max working pressure for air 500 mbar, Po for zero pressure 0,2-120 mbar- for compressed air control pressure 0,2-120 mbar, Thread Connection, Filter ≤50µm

ZERO/PROPORTIONAL/COMPRESSED AIR CONTROL PRESSURE REGULATORS



Model	Description	Poz Nr.
AG/RC	<ul style="list-style-type: none"> • DN65 • Flow Rate:300 m³/h 	2050023
AG/RC	<ul style="list-style-type: none"> • DN80 • Flow Rate:300 m³/h 	2050024

Description: Max working pressure for air 500 mbar - Po for zero pressure 0,2-120 mbar- for compressed air control pressure 0,2-120 mbar, Flange Connection, Filter ≤50µm

RELIEF VALVES



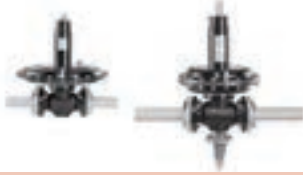
Model	Description	Poz Nr.
MVS/1	<ul style="list-style-type: none"> • 1" Thread Connection • 40-500 mbar 	2050025

Description: Max working Pressure 1 bar, Thread Connection



PRESSURE REGULATORS

FRM MIDDLE PRESSURE REGULATOR



Model	Description	Poz Nr.
270275	• DN25-Flange Connection 30-100 mbar	2020192
270276	• DN25-Flange Connection 90-420 mbar	2020193
270277	• DN25-Flange Connection 400-1500 mbar	2020194
270281	• DN40-Flange Connection 30-100 mbar	2020195
270282	• DN40-Flange Connection 90-420 mbar	2020196
270283	• DN40-Flange Connection 400-1500 mbar	2020197
270287	• DN50-Flange Connection 30-100 mbar	2020198
270288	• DN50-Flange Connection 90-420 mbar	2020199
270289	• DN50-Flange Connection 400-1500 mbar	2020200

Description: Direct acting, Adjustable setpoint spring, safety shut-off valve(SAV), Max working pressure 10 Bar

FRM MIDDLE PRESSURE REGULATOR



Model	Description	Poz Nr.
270272	• DN25-Flange Connection 30-100 mbar	2020201
270273	• DN25-Flange Connection 90-420 mbar	2020202
270274	• DN25-Flange Connection 400-1500 mbar	2020203
270278	• DN40-Flange Connection 30-100 mbar	2020204
270279	• DN40-Flange Connection 90-420 mbar	2020205
270280	• DN40-Flange Connection 400-1500 mbar	2020206
270284	• DN50-Flange Connection 30-100 mbar	2020207
270285	• DN50-Flange Connection 90-420 mbar	2020208
270286	• DN50-Flange Connection 400-1500 mbar	2020209

Description: Direct acting, Adjustable setpoint spring, Max working pressure 10 Bar

APQ HIGH CAPACITY LOW PRESSURE REGULATORS



Model	Description	Poz Nr.
DOMO BP	• 3/4"-1" • Po max: 18-80 mbar	2020210
DOMO MP	• 3/4"-1" • Po max: 18-180 mbar	2020211

Description: Direct acting, Adjustable setpoint spring, safety shutof valve(SAV), Max working pressure 6 Bar

APQ HIGH CAPACITY LOW PRESSURE REGULATORS



Model	Description	Poz Nr.
CIVIC BP	• 3/4"-1.11/4" • Po max: 18-80 mbar	2020212
CIVIC MP	• 3/4"-1.11/4" • Po max: 18-180 mbar	2020213

Description: Direct acting, Adjustable setpoint spring, safety shutof valve(SAV), Max working pressure 6 Bar

APQ HIGH CAPACITY LOW PRESSURE REGULATORS



Model	Description	Poz Nr.
R-120 ES	• 1"-1" • Po max: 150-800 mbar	2020214
R-120 HP	• 1"-1" • Po max: 600-3600 mbar	2020215
R-120 ES/S	• 1"-1" • Po max: 150-800 mbar	2020216
R-120 HP/S	• 1"-1" • Po max: 600-3600 mbar	2020217

Description: Direct acting, Adjustable setpoint spring, safety shutof valve(SAV), Max working pressure 16 Bar

APQ HIGH CAPACITY LOW PRESSURE REGULATORS



Model	Description	Poz Nr.
RS2510BP	• 1"-1" • Po max: 20-100 mbar	2020218
RS2510MP	• 1"-1" • Po max: 80-350 mbar	2020219
RS2511AP	• 1"-1" • Po max: 350-1500 mbar	2020220
RS2512AP	• 1"-1" • Po max: 1400-4000 mbar	2020221

Description: Direct acting, Adjustable setpoint spring, safety shutof valve(SAV), Max working pressure 10 Bar



NATURAL GAS



PRESSURE REGULATORS

APQ HIGH CAPACITY LOW PRESSURE REGULATORS



Model	Description	Poz Nr.
RS4010BP	<ul style="list-style-type: none"> 1.1/2"-1.1/2" Po max: 20-100 mbar 	2020222
RS4010MP	<ul style="list-style-type: none"> 1.1/2"-1.1/2" Po max: 80-350 mbar 	2020223
RS4011AP	<ul style="list-style-type: none"> 1.1/2"-1.1/2" Po max: 350-1500 mbar 	2020224
RS4012AP	<ul style="list-style-type: none"> 1.1/2"-1.1/2" Po max: 1400-4000 mbar 	2020225

Description: Direct acting, Adjustable setpoint spring, safety shutof valve(SAV), Max working pressure 10 Bar

APQ HIGH CAPACITY LOW PRESSURE REGULATORS



Model	Description	Poz Nr.
RS5010BP	<ul style="list-style-type: none"> 2"-2" Po max: 20-100 mbar 	2020226
RS5010MP	<ul style="list-style-type: none"> 2"-2" Po max: 80-350 mbar 	2020227
RS5011AP	<ul style="list-style-type: none"> 2"-2" Po max: 350-1500 mbar 	2020228
RS5012AP	<ul style="list-style-type: none"> 2"-2" Po max: 1400-4000 mbar 	2020229

Description: Direct acting, Adjustable setpoint spring, safety shutof valve(SAV), Max working pressure 10 Bar

APQ HIGH CAPACITY LOW PRESSURE REGULATORS



Model	Description	Poz Nr.
LBM401D1	<ul style="list-style-type: none"> PN25 DN40-DN40 Po max: 20-100 mbar 	2020230
LBM401D3	<ul style="list-style-type: none"> PN25 DN40-DN40 Po max: 100-400 mbar 	2020231
LBM401A3	<ul style="list-style-type: none"> ANSI150 DN40-DN40 Po max: 100-400 mbar 	2020232

Description: Direct acting, Adjustable setpoint spring, safety shutof valve(SAV), Without Relief valve, Max working pressure 10 Bar

APQ HIGH CAPACITY LOW PRESSURE REGULATORS



Model	Description	Poz Nr.
LBM501D1	<ul style="list-style-type: none"> PN25 DN50-DN50 Po max: 20-100 mbar 	2020233
LBM501D3	<ul style="list-style-type: none"> PN25 DN50-DN50 Po max: 100-400 mbar 	2020234
LBM501A3	<ul style="list-style-type: none"> ANSI150 DN50-DN50 Po max: 100-400 mbar 	2020235

Description: Direct acting, Adjustable setpoint spring, safety shutof valve(SAV), Without Relief valve, Max working pressure 10 Bar



PRESSURE REGULATORS

APQ HIGH CAPACITY LOW PRESSURE REGULATORS



Model	Description	Poz Nr.
SUTON 40MP	<ul style="list-style-type: none"> • DN40-DN40 • Po max: 20-100 mbar 	2020242
SUTON 40AP	<ul style="list-style-type: none"> • DN40-DN40 • Po max: 80-350 mbar 	2020243
SUTON 50MP	<ul style="list-style-type: none"> • DN50-DN50 • Po max: 350-4000 mbar 	2020244
SUTON 50AP	<ul style="list-style-type: none"> • DN50-DN50 • Po max: 350-4000 mbar 	2020245

Description: Direct acting, Adjustable setpoint spring, safety shutof valve(SAV), Without Relief valve, Max working pressure 10 Bar, with PN25 Flange

APQ HIGH CAPACITY LOW PRESSURE REGULATORS



Model	Description	Poz Nr.
SUTON 40BP	<ul style="list-style-type: none"> • DN40-DN40 • Po max: 20-100 mbar 	2020236
SUTON 40MP	<ul style="list-style-type: none"> • DN40-DN40 • Po max: 80-350 mbar 	2020237
SUTON 40AP	<ul style="list-style-type: none"> • DN40-DN40 • Po max: 350-4000 mbar 	2020238
SUTON 50BP	<ul style="list-style-type: none"> • DN50-DN50 • Po max: 20-100 mbar 	2020239
SUTON 50MP	<ul style="list-style-type: none"> • DN50-DN50 • Po max: 80-350 mbar 	2020240
SUTON 50AP	<ul style="list-style-type: none"> • DN50-DN50 • Po max: 350-4000 mbar 	2020241

Description: Direct acting, Adjustable setpoint spring, safety shutof valve(SAV), Without Relief valve, Max working pressure 10 Bar, with ANSI150 Flange

APQ HIGH CAPACITY LOW PRESSURE REGULATORS



Model	Description	Poz Nr.
DBM 50 BP	<ul style="list-style-type: none"> • DN50-DN50 • Po max: 20-100 mbar 	2020246
DBM 50 MP	<ul style="list-style-type: none"> • DN50-DN50 • Po max: 80-350 mbar 	2020247
DBM 50 AP	<ul style="list-style-type: none"> • DN50-DN50 • Po max: 350-4000 mbar 	2020248

Description: Direct acting, Adjustable setpoint spring, safety shutof valve(SAV), Without Relief valve, Max working pressure 16 Bar, with PN25 Flange

APQ HIGH CAPACITY LOW PRESSURE REGULATORS



Model	Description	Poz Nr.
DBM 50 MP	<ul style="list-style-type: none"> • DN50-DN50 • Po max: 80-350 mbar 	2020249
DBM 50 AP	<ul style="list-style-type: none"> • DN50-DN50 • Po max: 350-4000 mbar 	2020250

Description: Direct acting, Adjustable setpoint spring, safety shutof valve(SAV), Without Relief valve, Max working pressure 16 Bar, with ANSI150 Flange

APQ HIGH CAPACITY LOW PRESSURE REGULATORS



Model	Description	Poz Nr.
ALTON65BP	<ul style="list-style-type: none"> • DN65-DN65 • Po max: 10-80 mbar 	2020251
ALTON65MP	<ul style="list-style-type: none"> • DN65-DN65 • Po max: 50-350 mbar 	2020252
ALTON65AP	<ul style="list-style-type: none"> • DN65-DN65 • Po max: 350-1800 mbar 	2020253
ALTON65 APA	<ul style="list-style-type: none"> • DN65-DN65 • Po max: 1500-4000 mbar 	2020254

Description: Direct acting, Adjustable setpoint spring, safety shutof valve(SAV), Without Relief valve, Max working pressure 16 Bar, with PN25 Flange



NATURAL GAS



PRESSURE REGULATORS

APQ HIGH CAPACITY LOW PRESSURE REGULATORS



Model	Description	Poz Nr.
ALTON65 APA	<ul style="list-style-type: none"> • DN65-DN65 • Po max: 1500-4000 mbar 	2020255

Description: Direct acting, Adjustable setpoint spring, safety shutof valve(SAV), Without Relief valve, Max working pressure 16 Bar, with ANSI150 Flange

APQ HIGH CAPACITY LOW PRESSURE REGULATORS



Model	Description	Poz Nr.
ALTON80BP	<ul style="list-style-type: none"> • DN80-DN80 • Po max: 10-80 mbar 	2020256
ALTON80MP	<ul style="list-style-type: none"> • DN80-DN80 • Po max: 50-350 mbar 	2020257
ALTON80AP	<ul style="list-style-type: none"> • DN80-DN80 • Po max: 350-1800 mbar 	2020258
ALTON80 APA	<ul style="list-style-type: none"> • DN80-DN80 • Po max: 1500-4000 mbar 	2020259

Description: Direct acting, Adjustable setpoint spring, safety shutof valve(SAV), Without Relief valve, Max working pressure 16 Bar, with PN25 Flange

APQ HIGH CAPACITY LOW PRESSURE REGULATORS



Model	Description	Poz Nr.
ALTON80 APA	<ul style="list-style-type: none"> • DN80-DN80 • Po max: 1500-4000 mbar 	2020259

Description: Direct acting, Adjustable setpoint spring, safety shutof valve(SAV), Without Relief valve, Max working pressure 16 Bar, with ANSI150 Flange

APQ RELIEF VALVE



Model	Description	Poz Nr.
VS-15BP	<ul style="list-style-type: none"> • 1/2" • Po max: 18-300 mbar 	2020261
VS-15MP	<ul style="list-style-type: none"> • 1/2" • Po max: 180-5000 mbar 	2020262

Description: Max working pressure 6 bar, Thread connection

APQ RELIEF VALVE



Model	Description	Poz Nr.
VS-25BP	<ul style="list-style-type: none"> • 1"-1" • Po max: 30-100 mbar 	2020263
VS-25MP	<ul style="list-style-type: none"> • 1"-1" • Po max: 70-250 mbar 	2020264
VS-25AP	<ul style="list-style-type: none"> • 1"-1" • Po max: 190-550 mbar 	2020265

Description: Max working pressure 2 bar, Thread connection

APQ RELIEF VALVE



Model	Description	Poz Nr.
VS-44MP	<ul style="list-style-type: none"> • 1"-1" • Po max: 400-8000 mbar 	2020266

Description: Max working pressure 6 bar, Thread connection



LPG REGULATORS

SECOND STAGE



Model	Description	Poz Nr.
BP-1820	<ul style="list-style-type: none"> • 1/4"-3/8" • Thread Connection • Flow Rate:4 kg/h 	2310001
BP-2205	<ul style="list-style-type: none"> • 1/4"-1/2" • Thread Connection • Flow Rate:10 kg/h 	2310002
BP-2205/G	<ul style="list-style-type: none"> • 1/2"-1/2" • Thread Connection • Flow Rate:12 kg/h 	2310003
BP-2303	<ul style="list-style-type: none"> • 1/2"-3/4" • Thread Connection • Flow Rate:30 kg/h 	2310004
BP-2402	<ul style="list-style-type: none"> • 1/2"-1" • Thread Connection • Flow Rate:40 kg/h 	2310005
BP-2402/L	<ul style="list-style-type: none"> • 1"-1¹/₄" • Thread Connection • Flow Rate:60 kg/h 	2310006

Description: Max working Pressure 0,5 - 4 bar, Po max: 30 mbar

FIRST STAGE



Model	Description	Poz Nr.
APZ-12	<ul style="list-style-type: none"> • 1/4"-1/4" • Thread Connection • Flow Rate:12 kg/h 	2310009
APZ-250	<ul style="list-style-type: none"> • 1/4"-3/8" • Thread Connection • Flow Rate:30 kg/h 	2310010
AP-40	<ul style="list-style-type: none"> • 1/4"-3/8" • Thread Connection • Flow Rate:40 kg/h 	2310011
APS-2000M	<ul style="list-style-type: none"> • 3/4"-3/4" • Thread Connection • Flow Rate:40 kg/h 	2310012

Description: Max working Pressure 19 bar, Po max: 0,5 - 2 bar

SECOND STAGE



Model	Description	Poz Nr.
BP-2303/R	<ul style="list-style-type: none"> • 1/2"-3/4" • Thread Connection • Flow Rate:30 kg/h 	2310007

Description: Max working Pressure 0,5 - 4 bar, Po max: 20 - 300 mbar

SECOND STAGE



Model	Description	Poz Nr.
BP-2402/A	<ul style="list-style-type: none"> • 1/2"-1" • Thread Connection • Flow Rate:40 kg/h 	2310008

Description: Max working Pressure 0,5 - 4 bar, Po max: 20 - 190 mbar



NATURAL GAS



GAS FILTERS

THREAD CONNECTION



Model	Description	Poz Nr.
GF 1005/1	<ul style="list-style-type: none"> • 1/2" • Flow Rate:30 m³/h 	2020267
GF 1007/1	<ul style="list-style-type: none"> • 3/4" • Flow Rate:45 m³/h 	2020268
GF 1010/1	<ul style="list-style-type: none"> • 1" • Flow Rate:80 m³/h 	2020269
GF 1015/1	<ul style="list-style-type: none"> • 1.1/2" • Flow Rate:120 m³/h 	2020270
GF 1020/1	<ul style="list-style-type: none"> • 2" • Flow Rate:210 m³/h 	2020271

Description: Pmax 1 bar, Vmax ≤20 m/s,
Pore width Filter Element ≤ 50µm

THREAD CONNECTION



Model	Description	Poz Nr.
GF 6005/1	<ul style="list-style-type: none"> • 1/2" • Flow Rate:30 m³/h 	2020272
GF 6007/1	<ul style="list-style-type: none"> • 3/4" • Flow Rate:45 m³/h 	2020273
GF 6010/1	<ul style="list-style-type: none"> • 1" • Flow Rate:80 m³/h 	2020274
GF 6015/1	<ul style="list-style-type: none"> • 1.1/2" • Flow Rate:120 m³/h 	2020275
GF 6020/1	<ul style="list-style-type: none"> • 2" • Flow Rate:210 m³/h 	2020276

Description: Pmax 6 bar, Vmax ≤20 m/s,
Pore width Filter Element ≤ 50µm

FLANGE CONNECTION



Model	Description	Poz Nr.
GF 60050/4	<ul style="list-style-type: none"> • DN50 • Flow Rate:210 m³/h 	2020277
GF 60065/4	<ul style="list-style-type: none"> • DN65 • Flow Rate:360 m³/h 	2020278
GF 60080/4	<ul style="list-style-type: none"> • DN80 • Flow Rate:434 m³/h 	2020279
GF 60100/4	<ul style="list-style-type: none"> • DN100 • Flow Rate:700 m³/h 	2020280
GF 60150/4	<ul style="list-style-type: none"> • DN150 • Flow Rate:2170 m³/h 	2020281

Description: Pmax 6 bar, Vmax ≤20 m/s, Pore width
Filter Element ≤ 50µm



GAS FILTERS

THREAD CONNECTION



Model	Description	Poz Nr.
SDKF015	<ul style="list-style-type: none"> • 1/2" • Flow Rate:23 m³/h 	2190007
SDKF020	<ul style="list-style-type: none"> • 3/4" • Flow Rate:30 m³/h 	2190008

Description: For Wallhung Boilers, Thread Connection

THREAD CONNECTION



Model	Description	Poz Nr.
SDF015	<ul style="list-style-type: none"> • 1/2" • Flow Rate:25 m³/h 	2190009
SDF020	<ul style="list-style-type: none"> • 3/4" • Flow Rate:55 m³/h 	2190010
SDF025	<ul style="list-style-type: none"> • 1" • Flow Rate:62 m³/h 	2190011
SDF032	<ul style="list-style-type: none"> • 1.1/4" • Flow Rate:120 m³/h 	2190012
SDF040	<ul style="list-style-type: none"> • 1.1/2" • Flow Rate:120 m³/h 	2190013
SDF050	<ul style="list-style-type: none"> • 2" • Flow Rate:180 m³/h 	2190014

Description: Max working pressure 6 bar. Max flow speed ≤20 m/s, Filter ≤50µm

THREAD CONNECTION



Model	Description	Poz Nr.
FM-FG 02	<ul style="list-style-type: none"> • 1/2" • Flow Rate:25 m³/h 	2050026
FM-FG 03	<ul style="list-style-type: none"> • 3/4" • Flow Rate:55 m³/h 	2050027
FM-FG 04	<ul style="list-style-type: none"> • 1" • Flow Rate:62 m³/h 	2050028
FM-FG 05	<ul style="list-style-type: none"> • 1.1/4" • Flow Rate:120 m³/h 	2050029
FM-FG 06	<ul style="list-style-type: none"> • 1.1/2" • Flow Rate:120 m³/h 	2050030
FM-FG 07	<ul style="list-style-type: none"> • 2" • Flow Rate:180 m³/h 	2050031

Description: Max working pressure 6 bar. Max flow speed ≤20 m/s, Filter ≤50µm

FLANGE CONNECTION



Model	Description	Poz Nr.
FM-FG 08	<ul style="list-style-type: none"> • DN65 • Flow Rate:350 m³/h 	2050032
FM-FG 09	<ul style="list-style-type: none"> • DN80 • Flow Rate:380 m³/h 	2050033
FM-FG 10	<ul style="list-style-type: none"> • DN100 • Flow Rate:600 m³/h 	2050034
FM-FG 11	<ul style="list-style-type: none"> • DN125 • Flow Rate:1000 m³/h 	2050035
FM-FG 12	<ul style="list-style-type: none"> • DN150 • Flow Rate:1000 m³/h 	2050036

Description: Max working pressure 6 bar. Max flow speed ≤20 m/s, Filter ≤50µm



NATURAL GAS

MEASUREMENT DEVICES

PAKKENS

LOW PRESSURE MANOMETERS (BOTTOM CONNECTION)



Model	Description	Poz Nr.
063130001	<ul style="list-style-type: none"> • Ø63 • Measuring Range: 0-25 Mbar:0-1000 Mbar • Connection:G^{1/4"} • Body:Sheet Metal (Yellow) 	3440022
100130001	<ul style="list-style-type: none"> • Ø100 • Measuring Range: 0-25 Mbar:0-1000 Mbar • Connection: G^{1/2"} • Body:Sheet Metal (Yellow) • Cover:Sheet Metal (Yellow) 	3440023
160130001	<ul style="list-style-type: none"> • Ø160 • Measuring Range: 0-25 Mbar:0-1000 Mbar • Connection:G^{1/2"} • Body:Sheet Metal (Yellow) • Cover:Sheet Metal (Yellow) 	3440024

Description: Natural gas and low pressure proses, IP41, Sensitivity: KL1.6, Max Media Temperature: 60 °C.

LOW PRESSURE MANOMETER (PANEL MOUNTING)



Model	Description	Poz Nr.
063130003	<ul style="list-style-type: none"> • Ø63 • Measuring Range: 0-25 Mbar:0-1000 Mbar • Connection:G^{1/4"} • Body:Sheet Metal (Yellow) 	3440028
100130003	<ul style="list-style-type: none"> • Ø100 • Measuring Range: 0-25 Mbar:0-1000 Mbar • Connection: G^{1/2"} • Body:Sheet Metal (Yellow) • Cover:Sheet Metal (Yellow) 	3440029
160130003	<ul style="list-style-type: none"> • Ø160 • Measuring Range: 0-25 Mbar:0-1000 Mbar • Connection:G^{1/2"} • Body:Sheet Metal (Yellow) • Cover:Sheet Metal (Yellow) 	3440030

Description: Natural gas and low pressure proses, IP41, Sensitivity: KL1.6, Max Media Temperature: 60 °C.

LOW PRESSURE MANOMETER(REAR CONNECTION)



Model	Description	Poz Nr.
063130002	<ul style="list-style-type: none"> • Ø63 • Measuring Range: 0-25 Mbar:0-1000 Mbar • Connection:G^{1/4"} • Body:Sheet Metal (Yellow) 	3440025
100130002	<ul style="list-style-type: none"> • Ø100 • Measuring Range: 0-25 Mbar:0-1000 Mbar • Connection: G^{1/2"} • Body:Sheet Metal (Yellow) • Cover:Sheet Metal (Yellow) 	3440026
160130002	<ul style="list-style-type: none"> • Ø160 • Measuring Range: 0-25 Mbar:0-1000 Mbar • Connection:G^{1/2"} • Body:Sheet Metal (Yellow) • Cover:Sheet Metal (Yellow) 	3440027

Description: Natural gas and low pressure proses, IP41, Sensitivity: KL1.6, Max Media Temperature: 60 °C.

ACCESSORIES



Model	Description	Poz Nr.
Valve	<ul style="list-style-type: none"> • 1/2" Push-Buton 	3440058



GAS LEAKAGE CONTROLLER



ACCESSORIES



Model	Description	Poz Nr.
T-GA 101	<ul style="list-style-type: none">• 220 V.One Relay• With Alarm Buzzer	2400001

TEFLON BAND



ACCESSORIES



Model	Description	Poz Nr.
CHINESE	<ul style="list-style-type: none">• 12 mmx0,100 mm x 8 mm (With Natural Gas)	3038001



NATURAL GAS



IGNITION TRANSFORMER

ELECTRONIC IGNITION TRANSFORMERS



Model	Description	Poz Nr.
ENTBD3	<ul style="list-style-type: none"> Prim:220 V Sec: 2x13000V 30 mA 	2045002

Description: Duty Cycle: 50%

ELECTRONIC IGNITION TRANSFORMERS



Model	Description	Poz Nr.
PBG0065	<ul style="list-style-type: none"> Electrical Connection L:650 mm 	2045004

Description: Accessories

ELECTRONIC IGNITION TRANSFORMERS



Model	Description	Poz Nr.
ENPBD31	<ul style="list-style-type: none"> Prim:220 V Sec: 1x28000V 35 mA 	2045001
ECTBD31	<ul style="list-style-type: none"> Prim:220 V Sec: 2x13000V 30 mA 	2045003

Description: Duty Cycle: 100%



IGNITION PARTS



Model	Description	Poz Nr.
Ignition Cable	<ul style="list-style-type: none"> 6 mm. Silicon 	1027001
Plastic Insulator	<ul style="list-style-type: none"> Plastic 	1027002
Ignition Cap	<ul style="list-style-type: none"> Metal Cap Plastic 	1027003



ELECTRODES

IGNITION ELECTRODES



Model	Description	Poz Nr.
	• Ø8x45 mm	1027010
	• Ø8x65 mm	1027011
	• Ø8x85 mm	1027012
	• Ø8x100 mm	1027013
	• Ø11x40 mm	1027014
	• Ø11x65 mm	1027015
	• Ø11x85 mm	1027016
	• Ø11x110 mm	1027017
	• Ø11x135 mm	1027018
	• Ø11x150 mm	1027019
	• Ø11x200 mm	1027020
	• Ø14x40 mm	1027021
	• Ø14x65 mm	1027022
	• Ø14x85 mm	1027023
	• Ø14x100 mm	1027024
	• Ø14x125 mm	1027025
	• Ø14x150 mm	1027026
	• Ø14x200 mm	1027027
	• Ø14x220 mm	1027028
	• Ø14x250 mm	1027029
	• Ø14x300 mm	1027030
	• Ø14x350 mm	1027031
	• Ø14x400 mm	1027032

Description: Porcelain: Alumina 70, Wire: St.37



NATURAL GAS

ELECTRODES



IONISATION ELECTRODE



Model	Description	Poz Nr.
	• Ø8x65 mm	1027033
	• Ø8x85 mm	1027034
	• Ø8x100 mm	1027035

Description: Porcelain: Alumina 70. Wire: A1 Khantal

IONISATION ELECTRODE



Model	Description	Poz Nr.
	• Ø11x65 mm	1027036
	• Ø11x85 mm	1027037
	• Ø11x110 mm	1027038
	• Ø11x135 mm	1027039
	• Ø11x150 mm	1027040
	• Ø14x60 mm	1027041
	• Ø14x85 mm	1027042
	• Ø14x125 mm	1027043
	• Ø14x150 mm	1027044
	• Ø14x200 mm	1027045

Description: Porcelain: Alumina 70. Wire: A1 Khantal



WALLHUNG BOILER



PRESSURE SWITCHES

AIR PRESSURE SWITCHES



Model	Description	Poz Nr.
KFY-1	<ul style="list-style-type: none"> Contact Resistance 100 mΩ Operate with 1500 V AC/50 Hz/60S/0,5 mA 	2340001
KFY-1-1	<ul style="list-style-type: none"> Contact Resistance 100 mΩ Operate with 1500 V AC/50 Hz/60S/0,5 mA 	2340002
KFY-2	<ul style="list-style-type: none"> Contact Resistance 100 mΩ Operate with 1500 V AC/50 Hz/60S/0,5 mA 	2340003
KFY-3	<ul style="list-style-type: none"> Contact Resistance 100 mΩ Operate with 1500 V AC/50 Hz/60S/0,5 mA 	2340004
KFY-4	<ul style="list-style-type: none"> Contact Resistance 100 mΩ Operate with 1500 V AC/50 Hz/60S/0,5 mA 	2340005
KFY-5	<ul style="list-style-type: none"> Contact Resistance 100 mΩ Operate with 1500 V AC/50 Hz/60S/0,5 mA 	2340006

Description: For Wallhung Boilers, Working Pressure: 20-300 Pa, Max Pressure: 2000 Pa

WATER PRESSURE SWITCHES



Model	Description	Poz Nr.
KSY-C04-01	<ul style="list-style-type: none"> Working Pressure: 0,4 Bar (± 0,1) Water Pressure Resistance ≤ 0,7 Mpa Pressure 1500 V AC/50 Hz/60S/0,5 mA 	2340007
KSY-C04-02	<ul style="list-style-type: none"> Working Pressure: 0,4 Bar (± 0,1) Water Pressure Resistance ≤ 0,7 Mpa Pressure 1500 V AC/50 Hz/60S/0,5 mA 	2340008
KSY-C12-06	<ul style="list-style-type: none"> Working Pressure: 0,4 Bar (± 0,1) Water Pressure Resistance ≤ 0,7 Mpa Pressure 1500 V AC/50 Hz/60S/0,5 mA 	2340009
KSY-C12-08	<ul style="list-style-type: none"> Working Pressure Range: (On) 0,4-2 Bar (OFF) ≤ On-0,1 Bar (Max 0,3 Bar) Water Pressure Resistance: ≤ 0,7 Mpa Pressure 1500 V AC/50 Hz/60S/0,5 mA 	2340010
KSY-C04-11	<ul style="list-style-type: none"> Working Pressure Range: (On) 0,4-2 Bar (OFF) ≤ On-0,1 bar (Maks 0,3 Bar) Water Pressure Resistance: ≤ 0,7 Mpa Pressure 1500 V AC/50 Hz/60S/0,5 mA 	2340011
KSY-C07-01	<ul style="list-style-type: none"> Working Pressure Range: 0,7 Bar (± 0,1) Water Pressure Resistance: ≤ 0,7 Mpa Pressure 1500 V AC/50 Hz/60S/0,5 mA 	2340012

Description: For Wallhung Boilers, Contact Resistance, < 100 mΩ. Insulation Resistance > 100 mΩ/500 V DC.



WATER PRESSURE SWITCHES



Model	Description	Poz Nr.
SPAA05DNA00	<ul style="list-style-type: none"> Working Pressure : 0,5 Bar Microswitch Position: Normally On 	2360001
SPAA15UD35	<ul style="list-style-type: none"> Working Pressure: 1,5 Bar Microswitch Position: Switching 	2360002
SPAA25UD35	<ul style="list-style-type: none"> Working Pressure: 2,5 Bar Microswitch Position: Switching 	2360003
SPAA30UD35	<ul style="list-style-type: none"> Working Pressure: 3 Bar Microswitch Position: Switching 	2360004
SPAA40UD35	<ul style="list-style-type: none"> Working Pressure: 4 Bar Microswitch Position: Switching 	2360005

Description: For Food Industrie Applications, R1/8" Conical Connection

PRESSURE SWITCHES
WATER PRESSURE SWITCHES


Model	Description	Poz Nr.
SPAB03UD00	• Working Pressure: 0,3 Bar • Microswitch Position: Switching	2360006
SPAB05DD00	• Working Pressure: 0,5 Bar • Microswitch Position: Switching	2360007
SPAB05DD20	• Working Pressure: 0,5 Bar • Microswitch Position: Switching	2360008
SPAB05DNA00	• Working Pressure: 0,5 Bar • Microswitch Position: Normally On	2360009
SPAB07DD00	• Working Pressure: 0,7 Bar • Microswitch Position: Switching	2360010
SPAB08DD00	• Working Pressure: 0,8 Bar • Microswitch Position: Switching	2360011
SPAB10DD20	• Working Pressure: 1 Bar • Microswitch Position: Switching	2360012
SPAB20DD20	• Working Pressure: 2 Bar • Microswitch Position: Switching	2360013
SPAB20UD00	• Working Pressure: 2 Bar • Microswitch Position: Switching	2360014
SPAB25DD00	• Working Pressure: 2,5 Bar • Microswitch Position: Switching	2360015
SPAB25UD38	• Working Pressure: 2,5 Bar • Microswitch Position: Switching	2360016
SPAB26DD00	• Working Pressure: 2,6 Bar • Microswitch Position: Switching	2360017
SPAB30DD00	• Working Pressure: 3 Bar • Microswitch Position: Switching	2360018
SPAB30DD35	• Working Pressure: 3 Bar • Microswitch Position: Switching	2360019
SPAB30DD00	• Working Pressure: 3 Bar • Microswitch Position: Switching	2360020
SPAB30UD38	• Working Pressure: 3 Bar • Microswitch Position: Switching	2360021
SPAB40UD20	• Working Pressure: 4 Bar • Microswitch Position: Switching	2360022
SPAB50UD20	• Working Pressure: 5 Bar • Microswitch Position: Switching	2360023

Description: For Food Industrie Aplications, R1/4+Oring

WATER PRESSURE SWITCHES


Model	Description	Poz Nr.
SPAF03DNA00	• Working Pressure: 0,3 Bar • Microswitch Position: Normally On	2360024
SPAF03UD00	• Working Pressure: 0,3 Bar • Microswitch Position: Switching	2360025
SPAF05DD00	• Working Pressure: 0,5 Bar • Microswitch Position: Switching	2360026
SPAF05DD20	• Working Pressure: 0,5 Bar • Microswitch Position: Normally On	2360027
SPAF05DNA00	• Working Pressure: 0,5 Bar • Microswitch Position: Normally On	2360028
SPAF05DNA35	• Working Pressure: 0,5 Bar • Microswitch Position: Normally On	2360029
SPAF05UD00	• Working Pressure: 0,5 Bar • Microswitch Position: Switching	2360030
SPAF07DD00	• Working Pressure: 0,7 Bar • Microswitch Position: Switching	2360031
SPAF07UD00	• Working Pressure: 0,7 Bar • Microswitch Position: Switching	2360032
SPAF08UD35	• Working Pressure: 0,8 Bar • Microswitch Position: Switching	2360033
SPAF10DD00	• Working Pressure: 1 Bar • Microswitch Position: Switching	2360034
SPAF10DD20	• Working Pressure: 1 Bar • Microswitch Position: Switching	2360035
SPAF10UD00	• Working Pressure: 1 Bar • Microswitch Position: Switching	2360036
SPAF10UD20	• Working Pressure: 1 Bar • Microswitch Position: Switching	2360037
SPAF10UD38	• Working Pressure: 1 Bar • Microswitch Position: Switching	2360038
SPAF15DD00	• Working Pressure: 1,5 Bar • Microswitch Position: Switching	2360039
SPAF15UD35	• Working Pressure: 1,5 Bar • Microswitch Position: Switching	2360040
SPAF20UD00	• Working Pressure: 2 Bar • Microswitch Position: Switching	2360041
SPAF20UD35	• Working Pressure: 2 Bar • Microswitch Position: Switching	2360042
SPAF20UD38	• Working Pressure: 2 Bar • Microswitch Position: Switching	2360043
SPAF25DD00	• Working Pressure: 2,5 Bar • Microswitch Position: Switching	2360044
SPAF25UD00	• Working Pressure: 2,5 Bar • Microswitch Position: Switching	2360045
SPAF25UD20	• Working Pressure: 2,5 Bar • Microswitch Position: Switching	2360046
SPAF25UD38	• Working Pressure: 2,5 Bar • Microswitch Position: Switching	2360047
SPAF26DD00	• Working Pressure: 2,6 Bar • Microswitch Position: Switching	2360048
SPAF30DD00	• Working Pressure: 3 Bar • Microswitch Position: Switching	2360049
SPAF30UD00	• Working Pressure: 3 Bar • Microswitch Position: Switching	2360050



PRESSURE SWITCHES

WATER PRESSURE SWITCHES



Model	Description	Poz Nr.
SPAF30UD20	<ul style="list-style-type: none"> Working Pressure: 3 Bar Microswitch Position: Switching 	2360051
SPAF30UD35	<ul style="list-style-type: none"> Working Pressure: 3 Bar Microswitch Position: Switching 	2360052
SPAF30UD38	<ul style="list-style-type: none"> Working Pressure: 3 Bar Microswitch Position: Switching 	2360053
SPAF35DD00	<ul style="list-style-type: none"> Working Pressure: 3,5 Bar Microswitch Position: Switching 	2360054
SPAF35UD00	<ul style="list-style-type: none"> Working Pressure: 3,5 Bar Microswitch Position: Switching 	2360055
SPAF35UD20	<ul style="list-style-type: none"> Working Pressure: 3,5 Bar Microswitch Position: Switching 	2360056
SPAF35UD38	<ul style="list-style-type: none"> Working Pressure: 3,5 Bar Microswitch Position: Switching 	2360057
SPAF40UD38	<ul style="list-style-type: none"> Working Pressure: 4 Bar Microswitch Position: Switching 	2360058
SPAF50UD20	<ul style="list-style-type: none"> Working Pressure: 5 Bar Microswitch Position: Switching 	2360059
SPAF60UD25	<ul style="list-style-type: none"> Working Pressure: 6 Bar Microswitch Position: Switching 	2360060
SPAF65UD25	<ul style="list-style-type: none"> Working Pressure: 6,5 Bar Microswitch Position: Switching 	2360061
SPAF80UD38	<ul style="list-style-type: none"> Working Pressure: 8 Bar Microswitch Position: Switching 	2360062

Description: For Food Industrie Applications, RILSAN Ø6mm

WATER PRESSURE SWITCHES



Model	Description	Poz Nr.
SPAP05DNA00	<ul style="list-style-type: none"> Working Pressure: 0,5 Bar Microswitch Position: Normally On 	2360063
SPAP05UD00	<ul style="list-style-type: none"> Working Pressure: 0,5 Bar Microswitch Position: Switching 	2360064
SPAP08UD35	<ul style="list-style-type: none"> Working Pressure: 0,8 Bar Microswitch Position: Switching 	2360065
SPAP20UD00	<ul style="list-style-type: none"> Working Pressure: 2 Bar Microswitch Position: Switching 	2360066
SPAP25UD35	<ul style="list-style-type: none"> Working Pressure: 2,5 Bar Microswitch Position: Switching 	2360067
SPAP30UD00	<ul style="list-style-type: none"> Working Pressure: 3 Bar Microswitch Position: Switching 	2360068
SPAP30UD35	<ul style="list-style-type: none"> Working Pressure: 3 Bar Microswitch Position: Switching 	2360069
SPAP30UD38	<ul style="list-style-type: none"> Working Pressure: 3 Bar Microswitch Position: Switching 	2360070
SPAP35UD20	<ul style="list-style-type: none"> Working Pressure: 3,5 Bar Microswitch Position: Switching 	2360071
SPAP40UD00	<ul style="list-style-type: none"> Working Pressure: 4 Bar Microswitch Position: Switching 	2360072
SPAP40UD38	<ul style="list-style-type: none"> Working Pressure: 4 Bar Microswitch Position: Switching 	2360073

Description: For Food Industrie Applications, RILSAN Ø6.35mm

WATER PRESSURE SWITCHES



Model	Description	Poz Nr.
SPAS02DD00	<ul style="list-style-type: none"> G^{1/8}" Brass Adaptor Connection Working Pressure: 0,2 Bar Microswitch Position: Switching 	2360074
SPAT20UD35	<ul style="list-style-type: none"> G^{1/4}" Female Connection Working Pressure: 2 Bar Microswitch Position: Switching 	2360075
SPAT25UD35	<ul style="list-style-type: none"> G^{1/4}" Female Connection Working Pressure: 2,5 Bar Microswitch Position: Switching 	2360076
SPAT25UD38	<ul style="list-style-type: none"> G^{1/4}" Female Connection Working Pressure: 2,5 Bar Microswitch Position: Switching 	2360077

Description: For Food Industrie Applications

PRESSURE SWITCHES
WATER PRESSURE SWITCHES


Model	Description	Poz Nr.
SPCA02DNA00	<ul style="list-style-type: none"> Working Pressure: 0,2 Bar Microswitch Position: Normally Open Standard 	2360078
SPCA05DD00	<ul style="list-style-type: none"> Working Pressure: 0,5 Bar Microswitch Position: Switching Standard 	2360079
SPCA05DNA00	<ul style="list-style-type: none"> Working Pressure:0,5 Bar Microswitch Position: Normally Open Standard 	2360080
SPCA05UD00	<ul style="list-style-type: none"> Working Pressure:0,5 Bar Microswitch Position: Switching Standard 	2360081
SPCA10UD00	<ul style="list-style-type: none"> Working Pressure:1 Bar Microswitch Position: Switching Standard 	2360082
SPCA20UD00	<ul style="list-style-type: none"> Working Pressure:2 Bar Microswitch Position: Switching Standard 	2360083

Description: For Heating Applications, R1/8" Conical Connection

WATER PRESSURE SWITCHES


Model	Description	Poz Nr.
SPCB02DNA00	<ul style="list-style-type: none"> Working Pressure:0,2 Bar Microswitch Position: Normally Open 	2360084
SPCB03DD00	<ul style="list-style-type: none"> Working Pressure:0,3 Bar Microswitch Position: Switching 	2360085
SPCB03UD30	<ul style="list-style-type: none"> Working Pressure:0,3 Bar Microswitch Position: Switching 	2360086
SPCB03UD40	<ul style="list-style-type: none"> Working Pressure:0,3 Bar Microswitch Position: Switching 	2360087
SPCB04DD00	<ul style="list-style-type: none"> Working Pressure:0,4 Bar Microswitch Position: Switching 	2360088
SPCB05DD00	<ul style="list-style-type: none"> Working Pressure:0,5 Bar Microswitch Position: Switching 	2360089
SPCB05DNA00	<ul style="list-style-type: none"> Working Pressure:0,5 Bar Microswitch Position: Normally Open 	2360090
SPCB05DVA00	<ul style="list-style-type: none"> Working Pressure:0,5 Bar Microswitch Position: Vertical Normally Open 	2360091
SPCB07DD00	<ul style="list-style-type: none"> Working Pressure:0,7 Bar Microswitch Position: Switching 	2360092
SPCB07UD00	<ul style="list-style-type: none"> Working Pressure:0,7 Bar Microswitch Position: Switching 	2360093
SPCB08DVA00	<ul style="list-style-type: none"> Working Pressure:0,8 Bar Microswitch Position: Vertical Normally Open 	2360094
SPCB10DD00	<ul style="list-style-type: none"> Working Pressure:1 Bar Microswitch Position: Switching 	2360095
SPCB10UD00	<ul style="list-style-type: none"> Working Pressure:1 Bar Microswitch Position: Switching 	2360096
SPCB14DD00	<ul style="list-style-type: none"> Working Pressure:1,4 Bar Microswitch Position: Switching 	2360097
SPCB15UD00	<ul style="list-style-type: none"> Working Pressure:1,5 Bar Microswitch Position: Switching 	2360098
SPCB16UD00	<ul style="list-style-type: none"> Working Pressure:1,6 Bar Microswitch Position: Switching 	2360099
SPCB20DD00	<ul style="list-style-type: none"> Working Pressure:2 Bar Microswitch Position: Switching 	2360100
SPCB25UD00	<ul style="list-style-type: none"> Working Pressure:2,5 Bar Microswitch Position: Switching 	2360101
SPCB40UD35	<ul style="list-style-type: none"> Working Pressure:4 Bar Microswitch Position: Switching 	2360102
SPCB45UD35	<ul style="list-style-type: none"> Working Pressure:4,5 Bar Microswitch Position: Switching 	2360103

Description: For Heating Applications, G1/4" O-Ring Connection



WALLHUNG BOILER

PRESSURE SWITCHES



WATER PRESSURE SWITCHES



Model	Description	Poz Nr.
SPCC07DD00	<ul style="list-style-type: none"> G^{3/8"} Connection Working Pressure:0,7 Bar Microswitch Position: Switching 	2360104
SPCC08DD00	<ul style="list-style-type: none"> G^{3/8"} Connection Working Pressure:0,8 Bar Microswitch Position: Switching 	2360105
SPCD05DNA00	<ul style="list-style-type: none"> Close Fit Q14 Working Pressure:0,5 Bar Microswitch Position: Normally On 	2360106
SPCD06DD00	<ul style="list-style-type: none"> Close Fit Q14 Working Pressure:0,6 Bar Microswitch Position: Switching 	2360107
SPCG03DNA00	<ul style="list-style-type: none"> G^{1/4"} Plastic Adaptor Connection Working Pressure:0,3 Bar Microswitch Position: Normally On 	2360108
SPCG06DD00	<ul style="list-style-type: none"> G^{1/4"} Plastic Adaptor Connection Working Pressure:0,6 Bar Microswitch Position: Switching 	2360109
SPCH04DNA00	<ul style="list-style-type: none"> Close Fit Working Pressure:0,4 Bar Microswitch Position: Normally Open 	2360110
SPCH06DD00	<ul style="list-style-type: none"> Close Fit Working Pressure:0,6 Bar Microswitch Position: Switching 	2360111
SPCH06DNA00	<ul style="list-style-type: none"> Close Fit Working Pressure:0,6 Bar Microswitch Position: Normally Open 	2360112
SPCI04DNA00	<ul style="list-style-type: none"> Close Fit Working Pressure:0,4 Bar Microswitch Position: Normally Open 	2360113
SPCL03DNA40	<ul style="list-style-type: none"> G^{1/4"} Brass Connection Working Pressure:0,4 Bar Microswitch Position: Normally Open 	2360114
SPCN06DD00	<ul style="list-style-type: none"> Circulation Pump Connection Working Pressure:0,6 Bar Microswitch Position: Switching 	2360115
SPCR06DNA25	<ul style="list-style-type: none"> Close Fit Ariston Working Pressure:0,6 Bar Microswitch Position: Normally Open 	2360116
SPCS06DD00	<ul style="list-style-type: none"> G^{1/8"} Brass Connection Working Pressure:0,6 Bar Microswitch Position: Switching 	2360117
SPCT03DD35	<ul style="list-style-type: none"> G^{1/4"} Connection Working Pressure:0,3 Bar Microswitch Position: Switching 	2360118
SPCT40UD38	<ul style="list-style-type: none"> G^{1/4"} Connection Working Pressure:4 Bar Microswitch Position: Switching 	2360119

Description: For Heating Applications

WATER PRESSURE SWITCHES



Model	Description	Poz Nr.
SPIA01UD42	<ul style="list-style-type: none"> Working Pressure:0,1 Bar Microswitch Position: Switching 	2360120
SPIA04DD35	<ul style="list-style-type: none"> Working Pressure:0,4 Bar Microswitch Position: Switching 	2360121
SPIA13DD00	<ul style="list-style-type: none"> Working Pressure:1,3 Bar Microswitch Position: Switching 	2360122
SPIA15UD00	<ul style="list-style-type: none"> Working Pressure:1,5 Bar Microswitch Position: Switching 	2360123
SPIA30UD00	<ul style="list-style-type: none"> Working Pressure:3 Bar Microswitch Position: Switching 	2360124
SPIA38UD00	<ul style="list-style-type: none"> Working Pressure:3,8 Bar Microswitch Position: Switching 	2360125
SPIA40UD00	<ul style="list-style-type: none"> Working Pressure:4 Bar Microswitch Position: Switching 	2360126
SPIA40UD41	<ul style="list-style-type: none"> Working Pressure:4 Bar Microswitch Position: Switching 	2360127
SPIA80UD41	<ul style="list-style-type: none"> Working Pressure:8 Bar Microswitch Position: Switching 	2360128

Description: For Industrial Applications, R1/8" Conical Connection

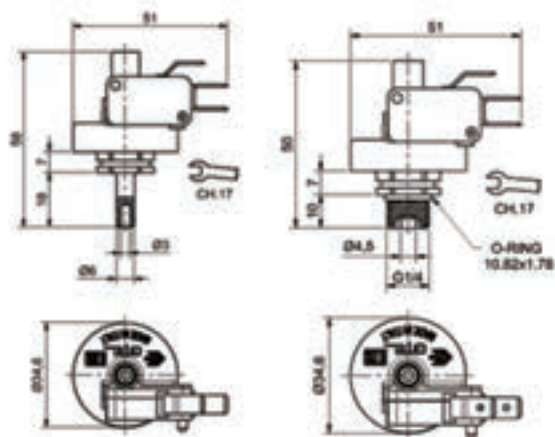
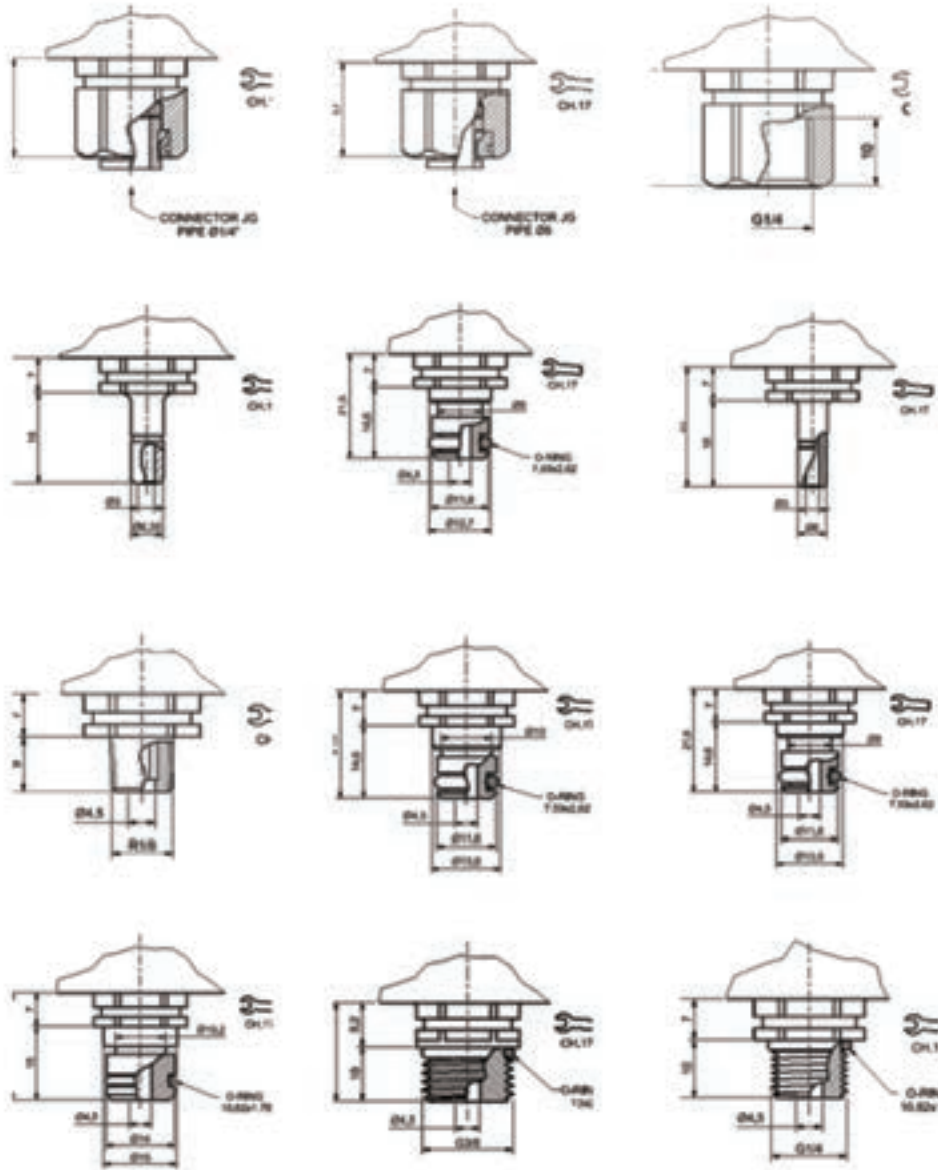
WATER PRESSURE SWITCHES



Model	Description	Poz Nr.
SPIB10UD00	<ul style="list-style-type: none"> Working Pressure: 1 Bar Microswitch Position: Switching 	2360129
SPIB10UD35	<ul style="list-style-type: none"> Working Pressure: 1 Bar Microswitch Position: Switching 	2360130
SPIB24UD38	<ul style="list-style-type: none"> Working Pressure: 2,4 Bar Microswitch Position: Switching 	2360131
SPIB30UD00	<ul style="list-style-type: none"> Working Pressure: 3 Bar Microswitch Position: Switching 	2360132
SPIB45UD35	<ul style="list-style-type: none"> Working Pressure: 4,5 Bar Microswitch Position: Switching 	2360133

Description: For Industrial Applications, G1/4"O-ring Connection

TECHNICAL SPECIFICATIONS





FLOW SENSORS



AIR FLOW SENSORS



Model	Description	Poz Nr.
SCG-1W-S18	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340013
SCG-1-S30	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340014
SCG-2-S35	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340015
SCG-2-S53	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340016
SCG-2-S53-3	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340017
SCG-2-S54	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=7,5Q-3 Starting Flow:1,5 l/min. 	2340018
SCG-2-S55	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340019
SCG-2-S57	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340020
SCG-1-S58	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340021
SCG-1-S59	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340022
SCG-1-S59-2	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340023
SCG-2-S64	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=6,9Q-3 Starting Flow:1,5 l/min. 	2340024
SCG-1-S73	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=7,5Q-3 Starting Flow:1,5 l/min. 	2340025
SCG-1-S75	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340026
SCG-1-S76	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8Q-3 Starting Flow:1,5 l/dk 	2340027
SCG-2-S77	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.3Q-3 Starting Flow:1,5 l/min. 	2340028
SCG-1-S78	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340029
SCG-1-S80	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340030

AIR FLOW SENSORS



Model	Description	Poz Nr.
SCG-1-S81	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.3Q-3 Starting Flow:1,5 l/min. 	2340031
SCG-1-S83	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340032
SCG-1-S85	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.3Q-3 Starting Flow:1,5 l/min. 	2340033
SCG-1-S86	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340034
SCG-1-S97	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340035
SCG-1-S92	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340036
SCG-1-S96	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340037
SCG-1-S95	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340038
SCG-1-T01	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340039
SCG-1-T10	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340040
SCG-1-T69	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340041
SCG-1-T52	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340042
SCG-1-T61	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340043
SCG-1-T69-1	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340044
SCG-1-T71	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340045
SCG-1-T72	<ul style="list-style-type: none"> Load Capacity ≤15 mA DC 12 ≥10 mA DC5 Pulse Flow Feature: f=8.1Q-3 Starting Flow:1,5 l/min. 	2340046

Description: Operating Voltage 5V-12V DC. Max. Operation 25mA (DC 12V)/15 mA (DC 5V)



FLOW SENSORS

AIR FLOW SENSORS



Model	Description	Poz Nr.
SCG-1-T74	<ul style="list-style-type: none"> • Load Capacity ≤ 15 mA DC $12 \geq 10$ mA DC5 • Pulse Flow Feature: $f=8.1Q-3$ • Starting Flow:1,5 l/min. 	2340047
SCG-1-T82	<ul style="list-style-type: none"> • Load Capacity ≤ 15 mA DC $12 \geq 10$ mA DC5 • Pulse Flow Feature: $f=8.1Q-3$ • Starting Flow:1,5 l/min. 	2340048
SCG-1-T89	<ul style="list-style-type: none"> • Load Capacity ≤ 15 mA DC $12 \geq 10$ mA DC5 • Pulse Flow Feature: $f=8.1Q-3$ • Starting Flow:1,5 l/min. 	2340049
SCG-1-T90	<ul style="list-style-type: none"> • Load Capacity ≤ 15 mA DC $12 \geq 10$ mA DC5 • Pulse Flow Feature: $f=8.1Q-3$ • Starting Flow:1,5 l/min. 	2340050
Description: Operating Voltage 5V-12V DC. Max. Operation 25mA (DC 12V)/15 mA (DC 5V), Brass Body		

MEMORY AIR FLOW SENSORS



Model	Description	Poz Nr.
SCG-1-T84	<ul style="list-style-type: none"> • Load Capacity ≤ 15 mA DC $12 \geq 10$ mA DC5 • Pulse Flow Feature: $f=8.1Q-3$ • Starting Flow:1,5 l/min. • 20°C Steady Water Flow:9 l/min.($\pm 0,5$ l) • 5°C Steady Water Flow: 6 l/min.. ($\pm 0,5$ l) 	2340051
SCG-1-T87	<ul style="list-style-type: none"> • Load Capacity ≤ 15 mA DC $12 \geq 10$ mA DC5 • Pulse Flow Feature: $f=8.1Q-3$ • Starting Flow:1,5 l/min. • 20°C Steady Water Flow:9 l/min. ($\pm 0,5$ l) • 5°C Steady Water Flow: 6 l/min. ($\pm 0,5$ l) 	2340052
SCG-1-T88	<ul style="list-style-type: none"> • Load Capacity ≤ 15 mA DC $12 \geq 10$ mA DC5 • Pulse Flow Feature: $f=8.1Q-3$ • Starting Flow:1,5 l/min. • 20°C Steady Water Flow:10,5 l/min. ($\pm 0,5$ l) • 5°C Steady Water Flow: 5,5 l/min.($\pm 0,5$ l) 	2340053
SCG-1-T93	<ul style="list-style-type: none"> • Load Capacity ≤ 15 mA DC $12 \geq 10$ mA DC5 • Pulse Flow Feature: $f=8.1Q-3$ • Starting Flow:1,5 l/min. • 25°C Steady Water Flow:12,5 l/min. ($\pm 0,5$ l) • 5°C Steady Water Flow: 6,5 l/min.. ($\pm 0,5$ l) 	2340054
Description: Operating Voltage 5V-12V DC. Max. Operation 25mA (DC 12V)/15 mA (DC 5V), Brass Body		



WALLHUNG BOILER

FOW SWITCHES



FLOAT SWITCHES



Model	Description	Poz Nr.
KSL-T3-01	<ul style="list-style-type: none"> Water Flow Start: $\leq 3,0$ l/min. Water Flow End: $\geq 1,0$ l/min. Max. Pressure: $\leq 1,75$ Mpa 	2340055
KSL-T3-02	<ul style="list-style-type: none"> Water Flow Start: $\leq 3,0$ l/min. Water Flow End: $\geq 1,0$ l/min. Max. Pressure: $\leq 1,75$ Mpa 	2340056
KSL-T3-03	<ul style="list-style-type: none"> Water Flow Start: $\leq 3,0$ l/min. Water Flow End: $\geq 1,0$ l/min. Max. Pressure: $\leq 1,75$ Mpa 	2340057
KSL-T3-04	<ul style="list-style-type: none"> Water Flow Start: $\leq 3,0$ l/min. Water Flow End: $\geq 1,0$ l/min. Max. Pressure: $\leq 1,75$ Mpa 	2340058
KSL-T3-06	<ul style="list-style-type: none"> Water Flow Start: $2,5 \pm 0,5$ l/min. Water Flow End: $\geq 1,5$ l/min. Max. Pressure: $\leq 1,75$ Mpa 	2340059
KSL-T3-10	<ul style="list-style-type: none"> Water Flow Start: $2,5 \pm 0,5$ l/min. Water Flow End: $\geq 1,5$ l/min. Max. Pressure: $\leq 1,75$ Mpa 	2340060
KSL-T3-11	<ul style="list-style-type: none"> Water Flow Start: $3,0$ l/min. Water Flow End: $\geq 1,0$ l/min. Max. Pressure: $\leq 1,75$ Mpa 	2340061
KSL-T3-12	<ul style="list-style-type: none"> Water Flow Start: $1,5$ l/min. Water Flow End: $\geq 0,5$ l/min. Max. Pressure: $\leq 1,75$ Mpa 	2340062
KSL-T3-13	<ul style="list-style-type: none"> Water Flow Start: $1,0$ l/min. Water Flow End: $\geq 0,5$ l/min. Max. Pressure: $\leq 1,75$ Mpa 	2340063
KSL-T3-14	<ul style="list-style-type: none"> Water Flow Start: $3,0$ l/min. Water Flow End: $\geq 1,0$ l/min. Max. Pressure: $\leq 1,75$ Mpa 	2340064
KSL-T3-15	<ul style="list-style-type: none"> Water Flow Start: $3,0$ l/min. Water Flow End: $\geq 1,0$ l/min. Max. Pressure: $\leq 1,75$ Mpa 	2340065

Description: Max Operating Voltage 100V DC. Max akim 0,5A.
Max load power 10W.

FLOW SWITCHES WITH CAP



Model	Description	Poz Nr.
KSL-F3-05	<ul style="list-style-type: none"> Water Flow Start: $\leq 3,0$ l/min. ($\pm 0,5$ l) Water Flow End: $\geq 2,0$ l/min. Max. Pressure: $< 1,75$ Mpa 	2340066
KSL-F3-07	<ul style="list-style-type: none"> Water Flow Start: $\leq 2,5$ l/min. ($\pm 0,5$ l) Water Flow End: $\geq 1,0$ l/min. Max. Pressure: $< 1,75$ Mpa 	2340067
KSL-F3-08	<ul style="list-style-type: none"> Water Flow Start: $\leq 3,5$ l/min. ($\pm 0,5$ l) Water Flow End: $\geq 2,5$ l/min. Max. Pressure: $< 1,75$ Mpa 	2340068
KSL-F3-09	<ul style="list-style-type: none"> Water Flow Start: $\leq 2,5$ l/min. ($\pm 0,5$ l) Water Flow End: $\geq 1,5$ l/min. Max. Pressure: $\leq 1,75$ Mpa 	2340069

Description: Max Operating Voltage 100V DC. Max current 0,5A.
Max load power 10W.



FLOW SWITCHES WITH ACTUATOR



Model	Description	Poz Nr.
FLCZ20A00	<ul style="list-style-type: none"> Water Flow Start: $\leq 2,0$ l/min. Water Flow End: $\geq 1,21$ l/min. Working Pressure: 0-20 Bar Connection: $G_{1/2}'' - 1/2'' (1/4)''$ 	2360134
FLCZ20A10	<ul style="list-style-type: none"> Water Flow Start: $\leq 2,0$ l/min. Water Flow End: $\geq 1,21$ l/min. Working Pressure: 0-20 Bar Connection: $G_{1/2}'' - 1/2'' (1/4)''$ 	2360135

Description: Max Operating Voltage 250V AC(200V DC),
Max current 1mA, Normally Open

FLOW SWITCHES

FLOW SWITCHES WITH ACTUATOR



Model	Description	Poz Nr.
SSCG-1-S31	<ul style="list-style-type: none"> Load Capacity ≤ 15 mA DC 12 ≤ 10 mA DC5 (RPLUS-1 KΩ) Water Flow Start: ≤ 1,5 l/min. Max. Pressure: ≤ 1,75 Mpa 	2340070
SSCG-1-S70	<ul style="list-style-type: none"> Load Capacity ≤ 15 mA DC 12 ≤ 10 mA DC5 (RPLUS-1 KΩ) Water Flow Start: ≤ 1,5 l/min. Max. Pressure: ≤ 1,75 Mpa 	2340071
SSCG-2-T70	<ul style="list-style-type: none"> Load Capacity: ≤ 15 mA DC 12 ≤ 10 mA DC5 (RPLUS-1 KΩ) Water Flow Start: ≤ 1,5 l/min. Max. Pressure: ≤ 1,75 Mpa 	2340072

Description: Operating Voltage 5V-12V DC, Max current 25mA (DC 12V)/15mA (DV 5V)

PRESSURE SENSORS

WATER/GAS/AIR PRESSURE SENSORS



Model	Description	Poz Nr.
HDYL-400A-S	<ul style="list-style-type: none"> Working Range: 0 ~ 0,4 ~ 1,6 Mpa. Static Accuracy: ±1,0 %FS Nominal Pressure: 0-4/6/8/10/16 bar (Optionally) 	2340073
HDYL-400A-T	<ul style="list-style-type: none"> Working Range: 0 ~ 0,4 ~ 1,6 Mpa. Static Accuracy: ±1,0 %FS Nominal Pressure: 0-4/6/8/10/16 bar (Optionally) 	2340074
HDYL-400B-S	<ul style="list-style-type: none"> Working Range: 0-3,5 Bar Max. Working Range : 4,5 Bar Input Voltage: 5±0,2 V DC Input Current: < 10 mA 	2340075
HDYL-400B-S-01	<ul style="list-style-type: none"> Working Range: 0-3,5 Bar Max. Working Range : 4,5 Bar Input Voltage: 5±0,2 V DC Input Current: < 10 mA 	2340076
HDYL-400B-S-02	<ul style="list-style-type: none"> Working Range: 0-3,5 Bar Max. Working Range: 4,5 Bar Input Voltage: 5±0,2 V DC Input Voltage: < 10 mA 	2340077

Description: For Wallhung Boilers, Gas Stoves and other hydrolic, pnomatic pressure measurements



WALLHUNG BOILER

PRESSURE SENSORS

WATER / GAS / AIR PRESSURE SENSORS



Model	Description	Poz Nr.
TCBAA00	<ul style="list-style-type: none"> Input: 5 V Output: 0,5-2,5 V DC Pressure Range: 0...4 Bar 	2360136
TCBBA00	<ul style="list-style-type: none"> Input: 5 V Output: 0,5-3,5 V DC Pressure Range: 0...4 Bar 	2360137
TCBBA60	<ul style="list-style-type: none"> Input: 5 V Output: 0,5-3,5 V DC Pressure Range: 0...6 Bar Diaphragm: 05-0005 	2360138
TCBBB00	<ul style="list-style-type: none"> Input: 8-30 V Output: 0,5-3,5 V DC Pressure Range: 0...4 Bar 	2360139
TCBCA30	<ul style="list-style-type: none"> Input: 5 V Output: 0,03-3,0 V DC Pressure Range: 0...3 Bar 	2360140

Description: For wall boilers, G1/4" O-ring connection

WATER PRESSURE SENSORS



Model	Description	Poz Nr.
TCCAA00	<ul style="list-style-type: none"> Input: 5 V Output: 0,5-2,5 V DC Pressure Range: 0...4 Bar 	2360141
TCCBA00	<ul style="list-style-type: none"> Input: 5 V Output: 0,5-3,5 V DC Pressure Range: 0...4 Bar 	2360142
TCCBB00	<ul style="list-style-type: none"> Input: 8-30 V Output: 0,5-3,5 V DC Pressure Range: 0...4 Bar 	2360143
TCCCA00	<ul style="list-style-type: none"> Input: 8-30 V Output: 0,0-3,0 V DC Pressure Range: 0...4 Bar 	2360144
TCCCA30	<ul style="list-style-type: none"> Input: 5 V Output: 0,0-3,0 V DC Pressure Range: 0...3 Bar 	2360145
TCCCEA00	<ul style="list-style-type: none"> Input: 5 V Output: 0,5-4,0 V DC Pressure Range: 0...4 Bar 	2360146
TMCBBA00	<ul style="list-style-type: none"> Input: 8-30 V Output: 0,5-3,5 V DC Pressure Range: 0...4 Bar 	2360147
TMCHBA00	<ul style="list-style-type: none"> Input: 8-30 V Output: 0,0-3,0 V DC Pressure Range: 0...4 Bar 	2360148

Description: For wall boilers, G^{3/8}" connection.



WATER/GAS/AIR PRESSURE SENSORS



Model	Description	Poz Nr.
TCDBA00	<ul style="list-style-type: none"> Input: 5 V Output: 0,5-3,5 V DC Pressure Range: 0...4 Bar 	2360149
TCDBB00	<ul style="list-style-type: none"> Input: 8-30 V Output: 0,5-3,5 V DC Pressure Range: 0...4 Bar 	2360150

Description: For wall boilers, quick connection Ø 14,07-0005

WATER PRESSURE SENSORS



Model	Description	Poz Nr.
TCHAA00	<ul style="list-style-type: none"> Input: 5 V Output: 0,5-2,5 V DC Pressure Range: 0...4 Bar 	2360151
TCHBA00	<ul style="list-style-type: none"> Input: 5 V Output: 0,5-3,5 V DC Pressure Range: 0...4 Bar 	2360152
TCHBA01	<ul style="list-style-type: none"> Input: 5 V Output: 0,5-3,5 V DC Pressure Range: 0...4 Bar 	2360153
TCHBB00	<ul style="list-style-type: none"> Input: 8-30 V Output: 0,5-3,5 V DC Pressure Range: 0...4 Bar 	2360154

Description: For wall boilers, quick connection Ø 14,07-0006

WATER PRESSURE SENSORS



Model	Description	Poz Nr.
TCIAA00	<ul style="list-style-type: none"> Input: 5 V Output: 0,5-2,5 V DC Pressure Range: 0...4 Bar 	2360155

Description: For wall boilers, quick connection Ø 14,07-0007

PRESSURE SENSORS
WATER PRESSURE SENSORS


Model	Description	Poz Nr.
TCRBA00	<ul style="list-style-type: none"> • Input:5 V • Output:0,5-3,5 V DC • Pressure Range: 0...4 Bar 	2360156

Description: For wall boilers, quick connection, Ariston

WATER PRESSURE SENSORS


Model	Description	Poz Nr.
TCVBA00	<ul style="list-style-type: none"> • Input:5 V • Output:0,5-3,5 V DC • Pressure Range: 0...4 Bar 	2360157

Description: For wall boilers, quick connection Ø14,07-0021

WATER PRESSURE SENSORS


Model	Description	Poz Nr.
TCEAA00	<ul style="list-style-type: none"> • Input:5 V • Output:0,5-2,5 V DC • Pressure Range: 0...4 Bar 	2360158
TCECA30	<ul style="list-style-type: none"> • Input:5 V • Output:0,0-3,0 V DC • Pressure Range: 0...3 Bar 	2360159

Description: For wall boilers, G1/4" without O-ring connection

WATER PRESSURE SENSORS


Model	Description	Poz Nr.
TCFBA00	<ul style="list-style-type: none"> • Input:5 V • Output:0,5-3,5 V DC • Pressure Range: 0...4 Bar 	2360160

Description: For wall boilers, Rilsan Ø6 mm Connection

WATER PRESSURE SENSORS


Model	Description	Poz Nr.
TCPBB60	<ul style="list-style-type: none"> • Input:8-30 V • Output:0,5-3,5 V DC • Pressure Range: 0...4 Bar 	2360161

Description: For wall boilers, Rilsan Ø6,35 mm connection

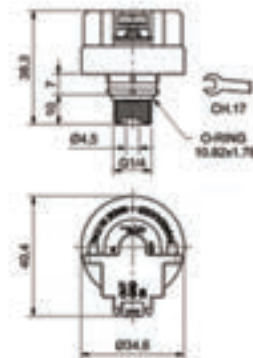
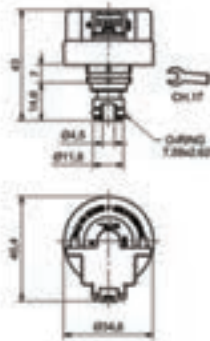
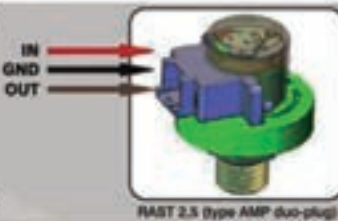
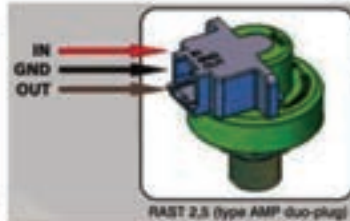
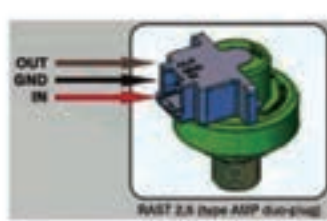
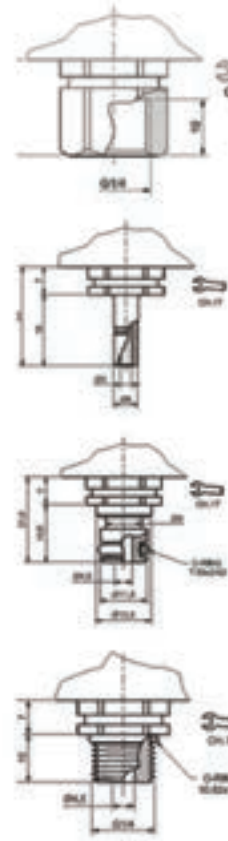
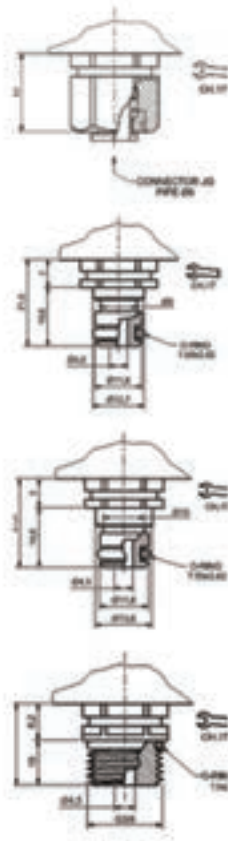
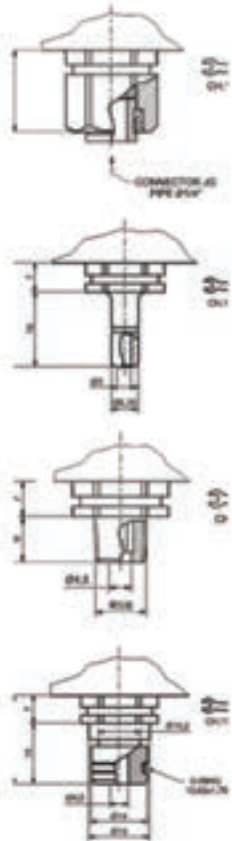
WATER PRESSURE SENSORS


Model	Description	Poz Nr.
TCGAA00	<ul style="list-style-type: none"> • Input:5 V • Output:0,5-2,5 V DC • Pressure Range: 0...4 Bar 	2360162

Description: For Wall Boilers, G1/4" Plastic Connection



TECHNICAL SPECIFICATIONS



WALLHUNG BOILER BLOWERS

VOLUTE TYPE		
Model	Description	Poz Nr.
FL 108034Y-72	<ul style="list-style-type: none"> Power:42 Watt Current:0,40 A Air Volume: 108 m³/h Constant Pressure: 250 Pa 	2290001
FL 120042Y-09	<ul style="list-style-type: none"> Power:56 Watt Current:0,52 A Air Volume: 140 m³/h Constant Pressure: 320 Pa 	2290002
FL 170016Y-01	<ul style="list-style-type: none"> Power:28 Watt Current:0,13 A Air Volume: 90 m³/h Constant Pressure: 500 Pa 	2290003
FL 097034Y-18	<ul style="list-style-type: none"> Power:32 Watt Current:0,31 A Air Volume: 80 m³/h Constant Pressure: 220 Pa 	2290004
FL 108042Y-27	<ul style="list-style-type: none"> Power:32 Watt Current:0,29 A Air Volume: 90 m³/h Constant Pressure: 260 Pa 	2290005
FL 108042Y-26	<ul style="list-style-type: none"> Power:53 Watt Current:0,45 A Air Volume:130 m³/h Constant Pressure: 270 Pa 	2290006
FL 108042Y-25	<ul style="list-style-type: none"> Power:35 Watt Current:0,35 A Air Volume: 80 m³/h Constant Pressure: 258 Pa 	2290007
FL 108042Y-04	<ul style="list-style-type: none"> Power:52 Watt Current:0,45 A Air Volume: 135 m³/h Constant Pressure: 265 Pa 	2290008
FL 108042Y-06	<ul style="list-style-type: none"> Power:45 Watt Current:0,41 A Air Volume: 128 m³/h Constant Pressure: 250 Pa 	2290009
FL 108042Y-05	<ul style="list-style-type: none"> Power:35 Watt Current:0,34 A Air Volume: 100 m³/h Constant Pressure: 258 Pa 	2290010
FL-085034Y-10B	<ul style="list-style-type: none"> Power:30 Watt Current:0,25 A Air Volume: 100 m³/h Constant Pressure: 180 Pa 	2290011
FL-085034Y-10	<ul style="list-style-type: none"> Power:30 Watt Current:0,25 A Air Volume: 100 m³/h Constant Pressure: 180 Pa 	2290012
FL-097034Y-02	<ul style="list-style-type: none"> Power:34 Watt Current:0,30 A Air Volume: 230 m³/h Constant Pressure: 230 Pa 	2290013

VOLUTE TYPE		
Model	Description	Poz Nr.
FL-085034Y-02B	<ul style="list-style-type: none"> Power:40 Watt Current:0,35 A Air Volume: 105 m³/h Constant Pressure: 180 Pa 	2290014
FL-085034Y-02B	<ul style="list-style-type: none"> Power:35 Watt Current:0,32 A Air Volume: 100 m³/h Constant Pressure: 180 Pa 	2290015
FL-097034Y-03BH	<ul style="list-style-type: none"> Power:35 Watt Current:0,30 A Air Volume: 100 m³/h Constant Pressure: 220 Pa 	2290016
FL-097034Y-01	<ul style="list-style-type: none"> Power:35 Watt Current:0,31 A Air Volume: 100 m³/h Constant Pressure: 210 Pa 	2290017
FL-097034Y-03	<ul style="list-style-type: none"> Power:35 Watt Current:0,30 A Air Volume: 100 m³/h Constant Pressure: 205 Pa 	2290018
FL-097034Y-03B	<ul style="list-style-type: none"> Power:35 Watt Current:0,30 A Air Volume: 100 m³/h Constant Pressure: 205 Pa 	2290019
FL-120042Y-04	<ul style="list-style-type: none"> Power:56 Watt Current:0,50 A Air Volume: 130 m³/h Constant Pressure: 300 Pa 	2290020
Description: 220 V 50 Hz		





WALLHUNG BOILER

WALLHUNG BOILER BLOWERS

SOHON

VOLUTE TYPE



Model	Description	Poz Nr.
FL 097034Y-021	<ul style="list-style-type: none"> Power:35 Watt Current:0,30 A Air Volume: 108 m³/h Constant Pressure: 210 Pa 	2290021
FL 120034Y-18	<ul style="list-style-type: none"> Power:70 Watt Current:0,60 A Air Volume: 167 m³/h Constant Pressure: 350 Pa 	2290022
FL 108042Y-04B	<ul style="list-style-type: none"> Power:58 Watt Current:0,58 A Air Volume: 135 m³/h Constant Pressure: 265 Pa 	2290023
FL 133034Y-01	<ul style="list-style-type: none"> Power:48 Watt Current:0,22 A Air Volume: 140 m³/h Constant Pressure: 350 Pa 	2290024
FL 120042Y-06	<ul style="list-style-type: none"> Power:47 Watt Current:0,45 A Air Volume: 130 m³/h Constant Pressure: 300 Pa 	2290025
FL 108042Y-60	<ul style="list-style-type: none"> Power:47 Watt Current:0,45 A Air Volume:120 m³/h Constant Pressure: 270 Pa 	2290026
FL 108034Y-56	<ul style="list-style-type: none"> Power:43 Watt Current:0,37 A Air Volume: 120 m³/h Constant Pressure: 240 Pa 	2290027
FL-108034Y-53	<ul style="list-style-type: none"> Power:60 Watt Current:0,50 A Air Volume: 145 m³/h Constant Pressure: 250 Pa 	2290028
FL-108042Y-50	<ul style="list-style-type: none"> Power:60 Watt Current:0,52 A Air Volume: 150 m³/h Constant Pressure: 250 Pa 	2290029
2047	<ul style="list-style-type: none"> Power:47 Watt Current:0,41 A Air Volume: 120 m³/h Constant Pressure: 260 Pa 	2290030
1743 A	<ul style="list-style-type: none"> Power:47 Watt Current:0,41 A Air Volume: 120 m³/h Constant Pressure: 260 Pa 	2290031
FL-120042Y-07	<ul style="list-style-type: none"> Power:53 Watt Current:0,53 A Air Volume: 135 m³/h Constant Pressure: 300 Pa 	2290032
FL-108042Y-24	<ul style="list-style-type: none"> Power:35 Watt Current:0,33 A Air Volume: 91 m³/h Constant Pressure: 274 Pa 	2290033



VOLUTE TYPE



Model	Description	Poz Nr.
FL 108042Y-23	<ul style="list-style-type: none"> Power:35 Watt Current:0,30 A Air Volume: 100 m³/h Constant Pressure: 276 Pa 	2290034
FL 108042Y-18D	<ul style="list-style-type: none"> Power:37 Watt Current:0,32 A Air Volume: 108 m³/h Constant Pressure: 258 Pa 	2290035
FL 108042Y-18C	<ul style="list-style-type: none"> Power:53 Watt Current:0,50 A Air Volume: 130 m³/h Constant Pressure: 270 Pa 	2290036
FL 108042Y-18	<ul style="list-style-type: none"> Power:53 Watt Current:0,50 A Air Volume: 130 m³/h Constant Pressure: 270 Pa 	2290037
FL 108042Y-13	<ul style="list-style-type: none"> Power:55 Watt Current:0,48 A Air Volume: 140 m³/h Constant Pressure: 275 Pa 	2290038
FL 108034Y-08	<ul style="list-style-type: none"> Power:60 Watt Current:0,55 A Air Volume: 128 m³/h Constant Pressure: 300 Pa 	2290039
FL 108034Y-02B	<ul style="list-style-type: none"> Power:47 Watt Current:0,45 A Air Volume: 120 m³/h Constant Pressure: 220 Pa 	2290040
FL 108042Y-58	<ul style="list-style-type: none"> Power:33 Watt Current:0,28 A Air Volume:90 m³/h Constant Pressure: 276 Pa 	2290041

Description: 220-230 V, 50 Hz

VOLUTE TYPE



Model	Description	Poz Nr.
FL 180032Y-03	<ul style="list-style-type: none"> Power:78 Watt Current:0,60 A Air Volume:431/S Constant Pressure:580 Pa 	2290042
FL 180032Y-02A	<ul style="list-style-type: none"> Power:78 Watt Current:0,60 A Air Volume:155 m³/h Constant Pressure:580 Pa 	2290043

Description: 240 V, 50 Hz

SWEP HEATING EXCHANGER

E5 SERIES, AISI304 STAINLESS-STEEL, STUDBOLT CONNECTION


Model	Description	Poz Nr.
E5Tx12-18330/21130	<ul style="list-style-type: none"> • 12 Plate • Studbolt Distance 154 mm 	2330001
E5Tx14-18330/21130	<ul style="list-style-type: none"> • 14 Plate • Studbolt Distance 154 mm 	2330002
E5Tx16-18330/21130	<ul style="list-style-type: none"> • 16 Plate • Studbolt Distance 154 mm 	2330003

Description: Size: 192mm, Two studbolts are on the origin

E5 SERIES, AISI304 STAINLESS-STEEL, STUDBOLT CONNECTION


Model	Description	Poz Nr.
E5Tx12-18330/21647	<ul style="list-style-type: none"> • 12 Plate • Studbolt Distance 142 mm 	2330010
E5Tx14-18330/21647	<ul style="list-style-type: none"> • 14 Plate • Studbolt Distance 142 mm 	2330011
E5Tx16-18330/21647	<ul style="list-style-type: none"> • 16 Plate • Studbolt Distance 142 mm 	2330012

Description: Size: 192mm, Two studbolts are 6mm inward from the origin

E5 SERIES, AISI304 STAINLESS-STEEL, STUDBOLT CONNECTION


Model	Description	Poz Nr.
E5Tx12-18330/21131	<ul style="list-style-type: none"> • 12 Plate • Studbolt Distance 148 mm 	2330004
E5Tx14-18330/21131	<ul style="list-style-type: none"> • 14 Plate • Studbolt Distance 148 mm 	2330005
E5Tx16-18330/21131	<ul style="list-style-type: none"> • 16 Plate • Studbolt Distance 148 mm 	2330006

Description: Size: 192mm, One studbolt is on the origin, the other is 6mm inward from the origin

E5 SERIES, AISI316 STAINLESS-STEEL, STUDBOLT CONNECTION


Model	Description	Poz Nr.
E5Tx12-18038/21130	<ul style="list-style-type: none"> • 12 Plate • Studbolt Distance 154 mm 	2330013
E5Tx14-18038/21130	<ul style="list-style-type: none"> • 14 Plate • Studbolt Distance 154 mm 	2330014
E5Tx16-18038/21130	<ul style="list-style-type: none"> • 16 Plate • Studbolt Distance 154 mm 	2330015

Description: Size: 192mm, Two studbolts are on the origin

E5 SERIES, AISI304 STAINLESS-STEEL, STUDBOLT CONNECTION


Model	Description	Poz Nr.
E5Tx12-18330/21283	<ul style="list-style-type: none"> • 12 Plate • Studbolt Distance 160 mm 	2330007
E5Tx14-18330/21283	<ul style="list-style-type: none"> • 14 Plate • Studbolt Distance 160 mm 	2330008
E5Tx16-18330/21283	<ul style="list-style-type: none"> • 16 Plate • Studbolt Distance 160 mm 	2330009

Description: Size: 192mm, One studbolt is on the origin, the other is 6mm outward from the origin

E5 SERIES, AISI316 STAINLESS-STEEL, STUDBOLT CONNECTION


Model	Description	Poz Nr.
E5Tx12-18038/21131	<ul style="list-style-type: none"> • 12 Plate • Studbolt Distance 148 mm 	2330016
E5Tx14-18038/21131	<ul style="list-style-type: none"> • 14 Plate • Studbolt Distance 148 mm 	2330017
E5Tx16-18038/21131	<ul style="list-style-type: none"> • 16 Plate • Studbolt Distance 148 mm 	2330018

Description: Size: 192mm, One studbolt is on the origin, the other is 6mm inward from the origin



WALLHUNG BOILER

SWEP HEATING EXCHANGER



E5 SERIES, AISI316 STAINLESS-STEEL, STUDBOLT CONNECTION



Model	Description	Poz Nr.
E5Tx12-18038/21283	<ul style="list-style-type: none"> 12 Plate Studbolt Distance 160 mm 	2330019
E5Tx14-18038/21283	<ul style="list-style-type: none"> 14 Plate Studbolt Distance 160 mm 	2330020
E5Tx16-18038/21283	<ul style="list-style-type: none"> 16 Plate Studbolt Distance 160 mm 	2330021

Description: Size: 192mm, One studbolt is on the origin, the other is 6mm outward from the origin

E5 SERIES, AISI316 STAINLESS-STEEL, STUDBOLT CONNECTION



Model	Description	Poz Nr.
E5Tx12-18030/21647	<ul style="list-style-type: none"> 12 Plate Studbolt Distance 142 mm 	2330022
E5Tx14-18030/21647	<ul style="list-style-type: none"> 14 Plate Studbolt Distance 142 mm 	2330023
E5Tx16-18030/21647	<ul style="list-style-type: none"> 16 Plate Studbolt Distance 142 mm 	2330024

Description: Size: 192mm, Two studbolts are 6mm inward from the origin

E5 SERIES, AISI316 STAINLESS-STEEL, KULAKLI MODELLER ???



Model	Description	Poz Nr.
E5Tx12-18104/VAI	<ul style="list-style-type: none"> 12 Plate Size: 220 mm 	2330025
E5Tx14-18104/VAI	<ul style="list-style-type: none"> 14 Plate Size: 220 mm 	2330026
E5Tx16-18104/VAI	<ul style="list-style-type: none"> 16 Plate Size: 220 mm 	2330027
E5Tx28-18104/VAI	<ul style="list-style-type: none"> 28 Plate Size: 220 mm 	2330028

Description: Vaillant Model

E6 SERIES, AISI316 STAINLESS-STEEL, STUDBOLT CONNECTION



Model	Description	Poz Nr.
E6Tx10-18037/21134	<ul style="list-style-type: none"> 10 Plate Studbolt Distance:166 mm 	2330037
E6Tx12-18037/21134	<ul style="list-style-type: none"> 12 Plate Studbolt Distance:166 mm 	2330038
E6Tx14-18037/21134	<ul style="list-style-type: none"> 14 Plate Studbolt Distance:166 mm 	2330039
E6Tx16-18037/21134	<ul style="list-style-type: none"> 16 Plate Studbolt Distance:166 mm 	2330040
E6Tx18-18037/21134	<ul style="list-style-type: none"> 18 Plate Studbolt Distance:166 mm 	2330041

Description: Size: 210mm, One studbolt is on the origin

E5 SERIES, AISI316 STAINLESS-STEEL, DiŞLİ MODELLER???



Model	Description	Poz Nr.
E5THx12-18040	<ul style="list-style-type: none"> 12 Plate Connection:2x1/2"-2x3/4" 	2330029
E5THx14-18040	<ul style="list-style-type: none"> 14 Plate Connection:2x1/2"-2x3/4" 	2330030
E5THx16-18040	<ul style="list-style-type: none"> 16 Plate Connection:2x1/2"-2x3/4" 	2330031
E5THx18-18040	<ul style="list-style-type: none"> 18 Plate Connection:2x1/2"-2x3/4" 	2330032
E5THx20-18040	<ul style="list-style-type: none"> 20 Plate Connection:2x1/2"-2x3/4" 	2330033
E5THx22-18040	<ul style="list-style-type: none"> 22 Plate Connection:2x1/2"-2x3/4" 	2330034
E5THx24-18040	<ul style="list-style-type: none"> 24 Plate Connection:2x1/2"-2x3/4" 	2330035
E5THx26-18040	<ul style="list-style-type: none"> 26 Plate Connection:2x1/2"-2x3/4" 	2330036

Description: Size 192 mm

SWEP HEATING EXCHANGER



E6 SERIES, AISI304 STAINLESS-STEEL, STUDBOLT CONNECTION



Model	Description	Poz Nr.
E6Tx10-18037/21137	<ul style="list-style-type: none"> • 10 Plate • Studbolt Distance 178 mm 	2330042
E6Tx12-18037/21137	<ul style="list-style-type: none"> • 12 Plate • Studbolt Distance 178 mm 	2330043
E6Tx14-18037/21137	<ul style="list-style-type: none"> • 14 Plate • Studbolt Distance 178 mm 	2330044
E6Tx16-18037/21137	<ul style="list-style-type: none"> • 16 Plate • Studbolt Distance 178 mm 	2330045
E6Tx18-18037/21137	<ul style="list-style-type: none"> • 18 Plate • Studbolt Distance 178 mm 	2330046

Description: Size: 210mm, One studbolt is on the origin, the other is 6mm outward from the origin

E6 SERIES, AISI304 STAINLESS-STEEL, STUDBOLT CONNECTION



Model	Description	Poz Nr.
E6Tx10-18037/21406	<ul style="list-style-type: none"> • 10 Plate • SStudbolt Distance 172 mm 	2330052
E6Tx12-18037/21406	<ul style="list-style-type: none"> • 12 Plate • Studbolt Distance 172 mm 	2330053
E6Tx14-18037/21406	<ul style="list-style-type: none"> • 14 Plate • Studbolt Distance 172 mm 	2330054
E6Tx16-18037/21406	<ul style="list-style-type: none"> • 16 Plate • Studbolt Distance 172 mm 	2330055
E6Tx18-18037/21406	<ul style="list-style-type: none"> • 18 Plate • Studbolt Distance 172 mm 	2330056

Description: Size: 210mm, Two studbolts are on the origin

E6 SERIES, AISI304 STAINLESS-STEEL, STUDBOLT CONNECTION



Model	Description	Poz Nr.
E6Tx10-18037/21392	<ul style="list-style-type: none"> • 10 Plate • Studbolt Distance 172 mm 	2330047
E6Tx12-18037/21392	<ul style="list-style-type: none"> • 12 Plate • Studbolt Distance 172 mm 	2330048
E6Tx14-18037/21392	<ul style="list-style-type: none"> • 14 Plate • Studbolt Distance 172 mm 	2330049
E6Tx16-18037/21392	<ul style="list-style-type: none"> • 16 Plate • Studbolt Distance 172 mm 	2330050
E6Tx18-18037/21392	<ul style="list-style-type: none"> • 18 Plate • Studbolt Distance 172 mm 	2330051

Description: Size: 210mm, Two studbolts are 6mm outwards from the origin

E6 SERIES, AISI304 STAINLESS-STEEL, STUDBOLT CONNECTION



Model	Description	Poz Nr.
E6Tx13/1P-SC-S	<ul style="list-style-type: none"> • 12 Plate • Studbolt Distance 157 mm 	2330057
E6Tx15/1P-SC-S	<ul style="list-style-type: none"> • 14 Plate • Studbolt Distance 157 mm 	2330058
E6Tx17/1P-SC-S	<ul style="list-style-type: none"> • 16 Plate • Studbolt Distance 157 mm 	2330059

Description: BAXI Model, Size: 210mm, One studbolt is on the origin



TECHNICAL EQUIPMENT

SAFETY VALVES



Model	Description	Poz Nr.
MSL 206525	<ul style="list-style-type: none"> • 1/2"N-1/2"R • Constant Pressure:2,5 Bar 	3110001
MSL 206530	<ul style="list-style-type: none"> • 1/2"N-1/2"R • Constant Pressure:3 Bar 	3110002
MSL 0206060N	<ul style="list-style-type: none"> • 1/2"M-1/2"F, Constant Pressure: 6 Bar 	
MSL 0206090N	<ul style="list-style-type: none"> • 1/2"N-1/2"R • Constant Pressure:9 Bar 	3110003

Description: Standart Diaphragm, Brass Body CW617N, Ni-Cr Steel Spring, Operating Temperature Range: -10°C+110°C



Model	Description	Poz Nr.
MSV 207530	<ul style="list-style-type: none"> • 1/2"R-1/2"R • Constant Pressure:3 Bar 	3110004
MSV 207540	<ul style="list-style-type: none"> • 1/2"R-1/2"R • Constant Pressure:4 Bar 	3110005
MSV 0207050N	<ul style="list-style-type: none"> • 1/2"R-1/2"R • Constant Pressure:5 Bar 	3110006
MSV 0207060N	<ul style="list-style-type: none"> • 1/2"R-1/2"R • Constant Pressure:6 Bar 	3110007
MSV 0207080N	<ul style="list-style-type: none"> • 1/2"R-1/2"R • Constant Pressure:8 Bar 	3110008

Description: Standart Diaphragm, Brass Body CW617N, Ni-Cr Steel Spring, Operating Temperature Range -10°C+110°C



Model	Description	Poz Nr.
SVW 215130	<ul style="list-style-type: none"> • 1/2"N-3/4"R • Constant Pressure: 3 Bar 	3110009
SVW 215104	<ul style="list-style-type: none"> • 1/2"R-3/4"R • Constant Pressure: 4 Bar 	3110010
SVW 216106	<ul style="list-style-type: none"> • 1/2"R-3/4"R • Constant Pressure: 6 Bar 	3110011
SV 0215899	<ul style="list-style-type: none"> • 1/2"F-3/4"F, Constant Pressure:10 Bar, Solar 	
SVW 217630	<ul style="list-style-type: none"> • 3/4"R-1"R • Constant Pressure:3 Bar 	3110012
SVW 217604	<ul style="list-style-type: none"> • 3/4"R-1"R • Constant Pressure: 4 Bar 	3110013
SVW 0217050N	<ul style="list-style-type: none"> • 3/4"R-1"R • Constant Pressure: 5 Bar 	3110014
SVW 0217060N	<ul style="list-style-type: none"> • 3/4"R-1"R • Constant Pressure: 6 Bar 	3110015
SVW 0217080N	<ul style="list-style-type: none"> • 3/4"R-1"R • Constant Pressure: 8 Bar 	3110016
SVW 0217090N	<ul style="list-style-type: none"> • 3/4"R-1"R • Constant Pressure: 9 Bar 	3110017
SVW 218630	<ul style="list-style-type: none"> • 1"R-11/4"R • Constant Pressure: 3 Bar 	3110018
SVW 218604	<ul style="list-style-type: none"> • 1"R-11/4"R • Constant Pressure: 4 Bar 	3110019
SVW 218305	<ul style="list-style-type: none"> • 1"R-11/4"R • Constant Pressure: 5 Bar 	3110020
SVW 218606	<ul style="list-style-type: none"> • 1"R-11/4"R • Constant Pressure: 6 Bar 	3110021
SVW 218608	<ul style="list-style-type: none"> • 1"R-11/4"R • Constant Pressure: 8 Bar 	3110022
SVW 218309	<ul style="list-style-type: none"> • 1"R-11/4"R • Constant Pressure: 9 Bar 	3110023
SVW 218610	<ul style="list-style-type: none"> • 1"R-11/4"R • Constant Pressure: 10 Bar 	3110024
SVW 219630	<ul style="list-style-type: none"> • 1"R-11/2"R • Constant Pressure: 3 Bar 	3110025
SVW 219604	<ul style="list-style-type: none"> • 1"R-11/2"R • Constant Pressure: 4 Bar 	3110026
SVW 219405	<ul style="list-style-type: none"> • 11/4"R-11/2"R • Constant Pressure: 5 Bar 	3110027
SVW 219606	<ul style="list-style-type: none"> • 11/4"R-11/2"R • Constant Pressure: 6 Bar 	3110028
SVW 219608	<ul style="list-style-type: none"> • 11/4"R-11/2"R • Constant Pressure: 8 Bar 	3110029
SVW 219610	<ul style="list-style-type: none"> • 11/4"R-11/2"R • Constant Pressure: 10 Bar 	3110030

Description: Standart Diaphragm, Brass Body CW617N, Ni-Cr Steel Spring, Operating Temperature Range:-10°C+110°C





TECHNICAL EQUIPMENT

E.C.A.



Model	Description	Poz Nr.
602111027	<ul style="list-style-type: none"> • 1/2" Oring-Female • Constant Pressure:3 Bar 	
602111031	<ul style="list-style-type: none"> • 1/2"-1/2" M-F • Constant Pressure:3 Bar 	
602111031	<ul style="list-style-type: none"> • 1/2"-1/2" F-F • Constant Pressure:3 Bar 	

Description: Brass Body

AIRVENT

WATTS
Water Meter Technologies, LLC



Model	Description	Poz Nr.
MVR15R 0250115	<ul style="list-style-type: none"> • Connection Size 1/2" • Max. Operation Pressure:12 Bar • Max. Operation Temperature :115°C with Checkvalve 	3110031

Description: Removable top cover, Brass Body CW617N, Polyethylene Float



Model	Description	Poz Nr.
MV 15/SOL 0249115	<ul style="list-style-type: none"> • Connection Size 1/2" • Max. Operation Pressure:12 Bar • Max. Operation Temperature :160°C, without Check Valve 	3110032
RIA15/SOL 259315	<ul style="list-style-type: none"> • 1/2" Checkvalve for MV 15/SOL 	3210033

Description: Solar System, Removable top cover, Brass Body CW617N, Polyethylene float

E.C.A.

Model	Description	Poz Nr.
102109134	<ul style="list-style-type: none"> • 1/2" • Pmax:10 Bar • Tmax:120° C, with Check Valve 	
102109139	<ul style="list-style-type: none"> • 3/8" • Pmax:10 Bar • Tmax:120 ° C, with Check Valve 	

Description : Brass Body with Check Valve

**THERMAL SAFETY DRAIN VALVE**

Model	Description	Poz Nr.
STS.S 0232620	<ul style="list-style-type: none">• Process Connection:3/4"• Adjusted Temperature:97°C (±2°C)• Capillary Length:1.300 mm	3110034
STS.S 0232621	<ul style="list-style-type: none">• Process Connection:3/4"• Adjusted Temperature:85°C (±3°C)• Capillary Length:L1.300 mm	3110035
STS.S 0232622	<ul style="list-style-type: none">• Process Connection:3/4"• Adjusted Temperature:93°C (±3°C)• Capillary Length:L1.300 mm	3110036
STS.S 0232623	<ul style="list-style-type: none">• Process Connection:3/4"• Adjusted Temperature:55°C (±3°C)• Capillary Length:L1.300 mm	3110037
STS.S 0232624	<ul style="list-style-type: none">• Process Connection:3/4"• Adjusted Temperature:103°C (±3°C)• Capillary Length:L1.300 mm	3110038
STS.S 0232625	<ul style="list-style-type: none">• Process Connection:3/4"• Adjusted Temperature:97°C (±2°C)• Capillary Length:L2.000 mm	3110039
STS.S 0232626	<ul style="list-style-type: none">• Process Connection:3/4"• Adjusted Temperature:97°C (±2°C)• Capillary Length:L4.000 mm	3110040
Description: For Non Atomized Solid Fuel Boilers, Double Safety, Brass Body CW617N, Sensing Element with Protection Pocket 145mm and 1/2" M Connection, Max. Drain Capacity: 6500L/h at 8 bar, Maximum Operating Pressure: 10 bar.		



TECHNICAL EQUIPMENT

THERMOSTATIC MIXING VALVE



Model	Description	Poz Nr.
61C 6109C12	<ul style="list-style-type: none"> • Connection Size:1/2"R • Kvs: 1,5m³/h • Setting Range: 32 °C~50 °C 	3110041
61C 6110C34	<ul style="list-style-type: none"> • Connection Size:3/4"R • Kvs: 1,9 m³/h • Setting Range: 32 °C~50 °C 	3110042
61C 6111C1	<ul style="list-style-type: none"> • Connection Size:1"R • Kvs: 2,1 m³/h • Setting Range: 32 °C~50 °C 	3110043
61CM 61CM12	<ul style="list-style-type: none"> • Connection Size:1/2"N • Kvs: 1,5m³/h • Setting Range: 32 °C~50 °C 	3110044
61CM 61CM34	<ul style="list-style-type: none"> • Connection Size:3/4"N • Kvs: 1,9 m³/h • Setting Range: 32 °C~50 °C 	3110045
61CM 61CM1	<ul style="list-style-type: none"> • Connection Size:1"N • Kvs: 2,1 m³/h • Setting Range: 32 °C~50 °C 	3110046
Description: Aquamix, For Domestic Hot Water (DHW), Body: Brass Nickel-Plated, Max. Temperature:100 °C, Max. Operating Pressure: 10 bar, Max.Δp: 2 Bar, Number of Setting Positions : 4		

Model	Description	Poz Nr.
62C 6209C12	<ul style="list-style-type: none"> • Connection Size:1/2"R • Kvs: 1,5m³/h • Setting Range: 42 °C~60 °C 	3110047
62C 6210C34	<ul style="list-style-type: none"> • Connection Size:3/4"R • Kvs: 1,9 m³/h • Setting Range: 42 °C~60 °C 	3110048
62C 6211C1	<ul style="list-style-type: none"> • Connection Size:1"R • Kvs: 2,1 m³/h • Setting Range: 42 °C~60 °C 	3110049
Description: Aquamix, For Domestic Hot Water (DHW), Body: Brass Nickel-Plated, Max. Temperature:100 °C, Max. Operating Pressure: 10 bar, Max.Δp: 2 Bar, Number of Setting Positions : 4		

PRESSURE REDUCING VALVE



Model	Description	Poz Nr.
EASYRID 480	<ul style="list-style-type: none"> • Connection Size:1/2"R • Kvs: 3,6 m³/h • Max. Working Temperature: 120 °C 	3120001
Description: Easy Installation, Body: Brass Nickel-Plated, Constant outlet pressure: 3 or 3,5 bar, Maximum Working Pressure: 20bar		



PRESSURE REDUCING VALVE

FARG



Model	Description	Poz Nr.
MINIRID 490	<ul style="list-style-type: none">• Connection: 1/2" F• Kvs: ~8 l/d (Δp: 1 bar)• Max. Working Temperature: 120 °C (Economic)	3120002
MINIRID 490	<ul style="list-style-type: none">• Connection: 3/4" F• Kvs: ~10 l/d (Δp: 1 bar)• Max. Working Temperature: 120 °C (Economic)	3120003

Description: Body: Brass Nickel-Plated, Pressure Gauge Connection G1/4", Outlet Pressure Setting Range: 1,2-6 bar, Max. Operating Pressure: 15 bar



Model	Description	Poz Nr.
NORMALE 501	<ul style="list-style-type: none">• Connection: 1/2" R• Kvs: ~35 l/d (Δp: 1 bar)• Max. Working Temperature: 120 °C	3120004
NORMALE 501	<ul style="list-style-type: none">• Connection: 3/4" R• Kvs: ~60 l/d (Δp: 1 bar)• Max. Working Temperature: 120 °C	3120005
NORMALE 501	<ul style="list-style-type: none">• Connection: 1" R• Kvs: ~150 l/d (Δp: 1 bar)• Max. Working Temperature: 120 °C	3120006

Description: Body: Brass Nickel-Plated, Pressure Gauge Connection G1/4", Outlet Pressure Setting Range: 0,5-6 bar, Max. Operating Pressure: 25 bar



Model	Description	Poz Nr.
FF 504	<ul style="list-style-type: none">• Connection: 1/2" R• Kvs: ~35 l/d (Δp: 1 bar)• Outlet Pressure Setting Range: 0,5-6 Bar• Max. Working Temperature: 120 °C	3120007
FF 504	<ul style="list-style-type: none">• Connection: 3/4" R• Kvs: ~60 l/d (Δp: 1 bar)• Outlet Pressure Setting Range: 0,5-6 Bar• Max. Working Temperature: 120 °C	3120008
FF 504	<ul style="list-style-type: none">• Connection: 1" R• Kvs: ~150 l/d (Δp: 1 bar)• Outlet Pressure Setting Range: 1-6 Bar• Max. Working Temperature: 120 °C	3120009
FF 504	<ul style="list-style-type: none">• Connection: 1 1/4" R• Kvs: ~160 l/d (Δp: 1 bar)• Outlet Pressure Setting Range: 1-6 Bar• Max. Working Temperature: 120 °C	3120010
FF 504	<ul style="list-style-type: none">• Connection: 1 1/2" R• Kvs: ~190 l/d (Δp: 1 bar)• Outlet Pressure Setting Range: 1-6 Bar• Max. Working Temperature: 120 °C	3120011
FF 504	<ul style="list-style-type: none">• Connection: 2" R• Kvs: ~220 l/d (Δp: 1 bar)• Outlet Pressure Setting Range: 1-6 Bar• Max. Working Temperature: 120 °C	3120012
FF 504	<ul style="list-style-type: none">• Connection: 2 1/2" R• Kvs: ~290 l/d (Δp: 1 bar)• Outlet Pressure Setting Range: 1-6 Bar• Max. Working Temperature: 120 °C	3120013
FF 504	<ul style="list-style-type: none">• Connection: 3" R• Kvs: ~350 l/d (Δp: 1 bar)• Outlet Pressure Setting Range: 1-6 Bar• Max. Working Temperature: 120 °C	3120014

Description: Body: Brass Nickel-Plated, Pressure Gauge Connection G1/4", Outlet Pressure Setting Range: 0,5-6 bar, Max. Operating Pressure: 25 bar



TECHNICAL EQUIPMENT

FILLING GROUPS



Model	Description	Poz Nr.
503	<ul style="list-style-type: none"> • Connection:1/2"R • Outlet Pressure Setting Range: 0,2-4 Bar • Max. Working Temperature: 120 °C 	3120015
Description: For All Heating Plants with Closed Circuit System, Two G1/4" Pressure Gauge Connection, Brass Nickel-Plated, Max.Operating Pressure: 15 bar		

THERMOSTAT



IMMERSION THERMOSTAT



Model	Description	Poz Nr.
TC2/542470	<ul style="list-style-type: none"> • Temperature Range:0/90°C (±3 °C) • Differential (Δt:4°C (±1 °C) • Protection Pocket: L100 mm • Connection: 1/2"NPT 	3080001
TC2/542425	<ul style="list-style-type: none"> • Temperature Range:0/90°C (±3 °C) • Differential (Δt:4°C (±1 °C) • Protection Pocket: L100 mm • Connection: 1/2"NPT 	3080002
TC2/542441	<ul style="list-style-type: none"> • Temperature Range:40/210°C (±3 °C) • Differential (Δt:4°C (±1 °C) • Protection Pocket: L100 mm • Connection 1/2"NPT 	3080003
TC2/542440	<ul style="list-style-type: none"> • Temperature Range:40/210°C (±3 °C) • Differential (Δt:4°C (±1 °C) • Protection Pocket: L100 mm • Connection: 1/2"NPT 	3080004
TC2/542462	<ul style="list-style-type: none"> • Temperature Range:0/90°C (±3 °C) • Differential (Δt:4°C (±1 °C) • Capillary Length: 1000 mm 	3080005
Description: Adjustable Thermostats, Protection pocket: Copper 1/2"NPT, 2 Contacts (SPDT), Max. Head Temperature: 80 °C, Max. Bulb Temperature: 130 °C		

IMMERSION THERMOSTAT



Model	Description	Poz Nr.
LSC1/543010	<ul style="list-style-type: none"> • Limiter Temperature(adjustable):90/110°C • Differential (Δt:15°C (±8 °C) • Protection Pocket L100 mm • Connection: 1/2"NPT 	3080006
LSC1/543031	<ul style="list-style-type: none"> • Limiter Temperature(fixed):100°C (0-6 °C) • Protection Pocket: L100 mm • Connection: 1/2"NPT 	3080007
LSC1/543151	<ul style="list-style-type: none"> • Limiter Temperature (adjustable):90/110°C (0-6°C) • Protection Pocket: L280 mm x Ø15 mm 	3080008
Description: Safety Limiter Thermostats, Protection Pocket: Copper 1/2"NPT, 2 Contact(SPDT), Max. Head Temperature: 80 °C, Max. Bulb Temperature: 125 °C		



THERMOSTAT

IMMERSION THERMOSTAT



Model	Description	Poz Nr.
TLSC/542714	<ul style="list-style-type: none">Temperature Range:0/90 °C (± 3 °C)Differantial (Δt:4 °C (± 1 °C)Limiter Temperature: 110 °CProtection Pocket: L100 mmConnection: 1/2" NPT	3080009
TLSC/542731	<ul style="list-style-type: none">Temperature Range:0/90 °C (± 3 °C)Differantial(Δt:4 °C (± 1 °C)Limiter Temperature: 100 °CProtection Pocket: L100 mmConnection: 1/2" NPT	3080010

Description: Double Thermostat, Protection Pocket: Copper 1/2" NPT, 2+2 Contact(SPDT),Max. Head Temperature: 80°C, Max. Bulb Temperature: 130°C

ACCESSORIES



Model	Description	Poz Nr.
555012	<ul style="list-style-type: none">Copper BulbConnection: 1/2NPT (15x16x100 mm)	3080011

Description: Accessories

THERMOSTAT CLAMP ON



Model	Description	Poz Nr.
BRC/545610	<ul style="list-style-type: none">Temperature Range: 20/90°C (± 2°C)Differential : Δt:8°C (± 2°C)IP20	3080012
TRC/543451	<ul style="list-style-type: none">Temperature Range 20/90°C (± 2°C)Differential: Δt:8°C (± 2°C)IP40	3080013

Description: Contact Thermostat, Max.Body Temperature: 80 °C, 2 Contact(SPDT)

IMMERSION THERMOSTAT



Model	Description	Poz Nr.
TTCA/542860	<ul style="list-style-type: none">Man. Adjustable Temperature Range:0/60 °CDifferential Temperature: (Δt:8°C (± 2 °C)Limit Temperature:30/120 °CDifferential Temperature::Δt:4°C (± 1 °C)Pocket:16x120 mm	3080014
TTCA/542870	<ul style="list-style-type: none">Man. Adjustable Temperature Range:0/60 °CDifferential Temperature (Δt:8 °C (± 2 °C)Limit Temperature30/120 °CDifferential Temperature: Δt:4°C (± 1 °C)Pocket:16x280 mm	3080015
TTCA/542873	<ul style="list-style-type: none">Man. Adjustable Temperature Range:0/60 °CDiferansiyel Aralığı (Δt:8 °C (± 2 °C)Limit Temperature:30/120 °CDifferential Temperature: Δt:4°C (± 1 °C)Pocket:12x280 mm	3080016
TTCA/542833	<ul style="list-style-type: none">Manuel Termostat Ayar Aralığı:0/90 °CDifferential Temperature (Δt:4°C (± 1 °C)Limit Temperature:30/90 °CDifferential Temperature: Δt:4°C (± 1°C)Pocket:16x280 mm	3080017

Description: Double Air Thermostat, Max.Body Temperature: 80 °C, Max. Bulb Temperature: 150 °C

SEALED THERMOSTAT



Model	Description	Poz Nr.
TA/544610	<ul style="list-style-type: none">Temperature Range: 0/40°C (± 3°C)	3080018

Description: CrNi Spiral Bulb, 2 Contact(SPDT), Max. Body Temperature: 65 °C, Max. Bulb Temperature: 50 °C



TECHNICAL EQUIPMENT



THERMOSTAT

ROOM THERMOSTAT



Model	Description	Poz Nr.
TA3N/546010	<ul style="list-style-type: none"> Setting Knob, LED On-Off Switch 	3080019
TA3N/546030	<ul style="list-style-type: none"> Setting Knob, LED 	3080020
TA3N/546070	<ul style="list-style-type: none"> Without LED 	3080021
TA3N/546230	<ul style="list-style-type: none"> Heating or Cooling 	3080022

Description: Mechanical, Temperature Range: 7/30°C, Max. Body Temperature: 50°C, Protection Against Electric Shock, Differential Temperature: $\Delta t \leq 1^\circ\text{C}$

ROOM THERMOSTAT



Model	Description	Poz Nr.
ETTL IP54 /544400	<ul style="list-style-type: none"> Temperature Range: 0/50°C ($\pm 2^\circ\text{C}$) Maks. Bulb Temperature: 60°C IP54 	3080023

Description: Encased Thermostat, Mechanical, High Temperature, Max. Head Temperature: 80°C

ROOM THERMOSTAT



Model	Description	Poz Nr.
ETR IP54 /544401	<ul style="list-style-type: none"> Temperature Range: -35+35°C ($\pm 3^\circ\text{C}$) Max. Bulb Temperature: 60°C IP54 	3080024
ETR IP54 /544402	<ul style="list-style-type: none"> Temperature Range: -35+35°C ($\pm 3^\circ\text{C}$) Max. Bulb Temperature: 60°C Capillary Length: 2000 mm IP54 	3080025

Description: Encased Thermostat, Mechanical, Cooling, Max. Head Temperature: 80°C

ROOM THERMOSTAT



Model	Description	Poz Nr.
Techno RT-578120/A	<ul style="list-style-type: none"> Wall Mounting Multi functional Switch Heating/ Cooling Mode 	3080026
Techno DPT-578121/A	<ul style="list-style-type: none"> Daily Programmable Wall Mounting Multi functional Switch Heating/ Cooling Mode 	3080027
Techno WPT-578130/B	<ul style="list-style-type: none"> Weekly Programmable Wall Mounting 4+ Multi-Functional Switch Heating/ Cooling Mode LCD display with backlit tuning 	3080028
Techno WPT GLASS -578132	<ul style="list-style-type: none"> Weekly Programmable Wall Mounting 4+ Multi-Functional Switch Glass Cover Heating/ Cooling Mode LCD display with backlit tuning 	3080029
Techno WPT TOUCH-578131	<ul style="list-style-type: none"> Weekly Programmable Wall Mounting Touch Screen Glass Cover Heating/ Cooling Mode LCD display with backlit tuning 	3080030

Description: Digital, Regulation Range: 5-30°C, Max. Head Temperature: 50°C, Resolution: 0,1°C, Battery



THERMOSTAT



CAPILLARY THERMOSTAT



Model	Description	Poz Nr.
TR 2/540030	<ul style="list-style-type: none"> 16(6)A/250 V~ Control Range:0/40 °C (±2 °C) Switching Differential (Δt:3 °C (±1 °C) Max. Bulb Temperature: 70 °C Capillary Length:1000 mm 	3080031
TR 2/540389	<ul style="list-style-type: none"> 16(6)A/250 V~ Control Range:0/90 °C (±3 °C) Switching Differential (Δt:4 °C (±1 °C) Max. Bulb Temperature: 150 °C Capillary Length:1000 mm 	3080032
TR 2/540168	<ul style="list-style-type: none"> 16(6)A/250 V~ Control Range:0/120°C (±3 °C) Switching Differential (Δt:4°C (±1 °C) Max. Bulb Temperature: 150 °C Capillary Length:1000 mm 	3080033
TR 2/540020	<ul style="list-style-type: none"> 16(6)A/250 V~ Control Range:50/300 °C (±8 °C) Switching Differential (Δt:10°C (±2 °C) Max. Bulb Temperature:330°C Capillary Length:1000 mm 	3080034
TR 2/540375-A	<ul style="list-style-type: none"> 16(6)A/250 V~ Control Range:0/90 °C (±3 °C) Switching Differential (Δt:4°C (±1 °C) Max. Bulb Temperature:150°C Capillary Length:2000 mm 	3080035
TR 2/541259	<ul style="list-style-type: none"> 16(6)A/250 V~ Control Range:0/120 °C (±3 °C) Switching Differential (Δt:4°C (±1 °C) Max. Bulb Temperature:150°C Capillary Length:1500 mm 	3080036
Description: Double contact(SPDT), Copper bulb, Max.Switching Head Temperature: 85°C		

JUILONG

CAPILLARY THERMOSTAT



Model	Description	Poz Nr.
WYH 40/322	<ul style="list-style-type: none"> 16(6)A/250 V~ Temperature Range:0/40°C (±3 °C) Differential (Δt:3°C (±2 °C) Max. Temperature of the Sensor: 50 °C PVC - Isolated Capillary Length:1000 mm 	3140001
WYH 90/322	<ul style="list-style-type: none"> 16(6)A/250 V~ Temperature Range:30/90°C (±4 °C) Differential (Δt:3°~8° Max. Temperature of the Sensor: 120 °C PVC - Isolated Capillary Length:1000 mm 	3140002
WYH 120/322	<ul style="list-style-type: none"> 16(6)A/250 V~ Temperature Range:40/120°C (±4 °C) Differential (Δt:3°~8° Max. Temperature of the Sensor: 150 °C PVC - Isolated Capillary Length:1000 mm 	3140003
WYH 200/322	<ul style="list-style-type: none"> 16(6)A/250 V~ Temperature Range:67/200°C (±9°C) Differential (Δt:3°~10° Max. Temperature of the Sensor: 230 °C PVC - Isolated Capillary Length:1000 mm 	3140004
WYH 300/322	<ul style="list-style-type: none"> 16(6)A/250 V~ Temperature Range:50/300°C (±9 °C) Differential(Δt:6°~16° Max. Temperature of the Sensor:330 °C Capillary Length:1000 mm 	3140005
Description: Double Contact(SP DT), CrNi Capillary, Max. Ambient Temperature:150°C		



TECHNICAL EQUIPMENT



THERMOSTAT

SAFETY LIMIT THERMOSTAT



Model	Description	Poz Nr.
LS 1/541503	<ul style="list-style-type: none"> • 16(2,5)A/250 V~ • Temperature Range: 90/110°C (-0+6°C) • Factory Set Point : 110°C • Differential (Δt:15°C(±8°C) • Max. Bulb Temperature: 125 °C • PVC -Isolated • Capillary Length:1000 mm 	3080037
LS 1/541558	<ul style="list-style-type: none"> • 16(2,5)A/250 V~ • Temperature Range:100°C (-0+6°C) • Differential(Δt:15°C(±8°C) • Max. Bulb Temperature: 125 °C • PVC -Isolated • Capillary Length:1000 mm 	3080038
LS 1/541877/B	<ul style="list-style-type: none"> • 16(2,5)A/250 V~ • Temperature Range: 100°C (-0+6°C) • Differential (Δt:15°C(±8°C) • Max. Bulb Temperature: 125 °C • PVC -Isolated • Capillary Length:2000 mm 	3080039
LS 1/542345	<ul style="list-style-type: none"> • 16(2,5)A/250 V~ • Temperature Range :90/100°C (-0+6°C) • Factory Set Point: 110°C • Differential (Δt:15°C(±8°C) • Max. Bulb Temperature: 125 °C • PVC -Isolated • Capillary Length:2000 mm 	3080040

Description: Single contact(SPST), Fail safe, Copper Capillary,
Max.Body Temperature : 85°C

KSD

SAFETY LIMIT THERMOSTAT



Model	Description	Poz Nr.
F-150	<ul style="list-style-type: none"> • Temperature Range: 65°C (±5°C) • Differential (Δt:20°C(±5°C) • Burner Lower Limit (N.K.): 125°C 	3420001
L-266	<ul style="list-style-type: none"> • Temperature Range: 135°C (±5°C) • Safety Reset • Burner Upper Limit (N.A.) 	3420002
L-325	<ul style="list-style-type: none"> • Temperature Range: 165°C (±5°C) • Safety Reset • Burner Upper Limit (N.A.) 	3420003

Description: Pre-heater Limit Thermostat for oil burner



THERMOSTAT

THERMOSTATS



Model	Description	Poz Nr.
3412323 (RAG 4 Muadili)	<ul style="list-style-type: none"> • 20A/220 V~ • Temperature Range:80/190°C (±5°C) • Sensing Element Length:215 mm • For Finned Strip Pre-Heater 	3130001

Description: Pre-heater Limit Thermostat for oil burner



THERMOSTATS



Model	Description	Poz Nr.
VK 4253	<ul style="list-style-type: none"> • 16A/240 V~ • Temperature Range:30/110°C • Differential Δt:10°C • Sensing Element Dimensions: 8x178 mm 	3350001
VKL 2201	<ul style="list-style-type: none"> • 16A/240 V~ • Temperature Range:50/80°C • Differential Δt:10°C • Sensing Element Dimensions: 7,5x178 mm 	3350002

Description: Thermostats for heating elements

THERMOSTATS



Model	Description	Poz Nr.
TSD 00705	<ul style="list-style-type: none"> • 20A/240 V~ • Temperature Range:0/80°C(±7°C) • Differential Δt:10°C • Sensing Element Dimensions: 7,5x165 mm 	3170001

Description: Thermostats for heating elements



TECHNICAL EQUIPMENT

THERMOSTAT

PVT



THERMOSTATS



Model	Description	Poz Nr.
TH-0046 R7	<ul style="list-style-type: none"> • 20A/240 V~ • Temperature Range:10/80°C(±3°C) • Differential Δt:10°C • Sensing Element Dimensions: 7,9x175 mm 	3410001

Description: Thermostats for heating elements

THERMOSTATS



Model	Description	Poz Nr.
RTM 300/ 3412120	<ul style="list-style-type: none"> • 15A/250 V~ • Temperature Range:10/80°C(±5°C) • Differential Δt:8°C (±4°C) • Sensing Element Dimensions: 275 mm 	3130002

Description: Thermostats for heating elements



THERMOSTATS



Model	Description	Poz Nr.
RTM 300 /181509	<ul style="list-style-type: none"> • 20A/250 V~ • Temperature Range:10/80°C(±5°C) • Differential Δt:8°C (±4°C) • Sensing Element Dimensions: 275 mm 	3130003
RTS 300 /181368	<ul style="list-style-type: none"> • 20A/250 V~ • Temperature Range: 0/65°C(±5°C) • Safety Reset Temperature75°C (-5+8°C) • Differential Δt:8°C (±4°C) • Sensing Element Dimensions: 275 mm 	3130004
RTS-3 300 /3412042	<ul style="list-style-type: none"> • 16A/250 V~ • Temperature Range:0/65°C(±5°C) • Safety Reset Temperature 75°C (-5+8°C) • Differential Δt:8°C (±4°C) • Sensing Element Dimensions: 280 mm 	3130005

Description: Thermostats for heating elements



HEATING ELEMENTS

COPPER HEATING ELEMENTS



Model	Description	Poz Nr.
RDT TW/182204	<ul style="list-style-type: none"> • 220 V • 1000 Watt (8,2 W/cm²) • Element Dimensions:Ø8,5x560 mm • Length:280 mm (±5) • Thermostat Pocket: Ø8x279,5 mm (±5) 	3130006
RDT TW/182205	<ul style="list-style-type: none"> • 220 V • 1200 Watt (9,8 W/cm²) • Element Dimensions:Ø8,5x560 mm • Length: 280 mm (±5) • Thermostat Pocket: Ø8x279,5 mm (±5) 	3130007
RDT TW/182206	<ul style="list-style-type: none"> • 220 V • 1500 Watt (8,6 W/cm²) • Element Dimensions:Ø8,5x750 mm • Length:380 mm (±5) • Thermostat Pocket: Ø8x279,5 mm (±5) 	3130008
RDT TW/182324	<ul style="list-style-type: none"> • 240 V • 2000 Watt (16,3 W/cm²) • Element Dimensions:Ø8,5x560 mm • Length:280 mm (±5) • Thermostat Pocket: Ø8x279,5 mm (±5) 	3130009
RDT TW/182358	<ul style="list-style-type: none"> • 220 V • 2000 Watt (11,5 W/cm²) • Element Dimensions:Ø8,5x750 mm • Length:380 mm (±5) • Thermostat Pocket: Ø8x280 mm (±5) 	3130010
RDT TW/3401283	<ul style="list-style-type: none"> • 220 V • 2500 Watt (6,6 W/cm²) • Element Dimensions:Ø8,5x1740 mm • Length:875 mm (±5) • Thermostat Pocket: Ø8x279,5 mm (±5) 	3130011
RDT TW/3401718	<ul style="list-style-type: none"> • 220 V • 3000 Watt (10,9 W/cm²) • Element Dimensions:Ø8,5x1140 mm • Length:550 mm (±5) • Thermostat Pocket: Ø8x279,5 mm (±5) 	3130012
RDT TW/3401284	<ul style="list-style-type: none"> • 220 V • 3000 Watt (7,9 W/cm²) • Element Dimensions:Ø8,5x1740 mm • Length:875 mm (±5) • Thermostat Pocket: Ø8x279,5 mm (±5) 	3130013

Description: For water heater, Connection : 1^{1/4}" GAS, Plug
Connection for RTM type thermostats,

COPPER HEATING ELEMENTS



Model	Description	Poz Nr.
RCT TW/182253	<ul style="list-style-type: none"> • 220 V • 1000 Watt (8,2 W/cm²) • Element Dimensions:Ø8,5x560 mm • Length:161 mm (±5) • Thermostat Pocket: Ø8x226,5 mm (±5) 	3130014
RCT TW/182255	<ul style="list-style-type: none"> • 220 V • 1200 Watt (9,8 W/cm²) • Element Dimensions:Ø8,5x560 mm • Length:161 mm (±5) • Thermostat Pocket: Ø8x226,5 mm (±5) 	3130015
RCT TW/182258	<ul style="list-style-type: none"> • 220 V • 1500 Watt (8,6 W/cm²) • Element Dimensions:Ø8,5x560 mm • Length:209 mm (±5) • Thermostat Pocket: Ø8x226,5 mm (±5) 	3130016
RCT TW/182224	<ul style="list-style-type: none"> • 220 V • 2000 Watt (12 W/cm²) • Element Dimensions:Ø8,5x750 mm • Length:290 mm (±5) • Thermostat Pocket: Ø8x279,5 mm (±5) 	3130017
RCT TW/182281	<ul style="list-style-type: none"> • 220 V • 2500 Watt (8,7 W/cm²) • Element Dimensions:Ø8,5x1160 mm • Length:311 mm (±5) • Thermostat Pocket: Ø8x279,5 mm (±5) 	3130018
RCT TW/182384	<ul style="list-style-type: none"> • 220 V • 3000 Watt (10,7 W/cm²) • Element Dimensions:Ø8,5x1070 mm • Length:289 mm (±5) • Thermostat Pocket: Ø8x279,5 mm (±5) 	3130019
RCT TW/182235	<ul style="list-style-type: none"> • 230 V • 4000 Watt (10,7 W/cm²) • Element Dimensions:Ø8,5x1490 mm • Length:394 mm (±5) • Thermostat Pocket: Ø8x279,5 mm (±5) 	3130020

Description: For water heater, Connection : 1^{1/4}" GAS, Plug
Connection for RTM type thermostats,



TECHNICAL EQUIPMENT

HEATING ELEMENTS



COPPER HEATING ELEMENTS



Model	Description	Poz Nr.
RCT /3401361	<ul style="list-style-type: none"> • 220 V • 2000 Watt (6,7 W/cm²) • Element Dimensions: Ø8,5x1230 mm • Length: 390 mm (±10) • Thermostat Pocket: Ø8x275 mm (±5) • Temperature Range: 85/97°C • 2200 mm 3x1,5 Cable 	3130021
RCT /3401363	<ul style="list-style-type: none"> • 230 V • 2500 Watt (8,3 W/cm²) • Element Dimensions: Ø8,5x1230 mm • Length: 390 mm (±10) • Thermostat Pocket: Ø8x275 mm (±5) • Temperature Range: 85/97°C • 2200 mm 3x1,5 Cable 	3130022
RCT /3401397	<ul style="list-style-type: none"> • 230 V • 3000 Watt (10 W/cm²) • Element Dimensions: Ø8,5x1230 mm • Length: 390 mm (±10) • Thermostat Pocket: Ø8x275 mm (±5) • Temperature Range: 85/97°C • 2200 mm 3x1,5 Cable 	3130023

Description: For water heater, Connection : 1^{1/2}" GAS, Plug&Play Heater (Thermostat included):

LEVEL CONTROL DEVICES



Model	Description	Poz Nr.
A-2	<ul style="list-style-type: none"> • 380V • 3A-220 V • 1a • AISI316 Float, GGG40,3 • Nodular Cast Iron Body • 15-30 mm 	3470001

Description: Feeding Device, For Boiler and Booster Pump, PN16, 3 pieces Electrical Terminals

LEVEL CONTROL DEVICES

START



Model	Description	Poz Nr.
LG-2000	<ul style="list-style-type: none"> • 2000 mm. Petrometer 	3480001

Description: Feeding Device, For Boiler and Booster Pump, PN16, 3 pieces Electrical Terminals



ACCESSORIES



Model	Description	Poz Nr.
A-2	<ul style="list-style-type: none"> • Single Pole Mercury Contact 	3470002
A-2	<ul style="list-style-type: none"> • Double Pole Mercury Contact 	3470003
A-2	<ul style="list-style-type: none"> • Stainless Steel Ball 	3470004

Description: Accessories



PRESSURE SWITCH



Model	Description	Poz Nr.
V/PM5	<ul style="list-style-type: none"> • 16(10)A/250 V • Pressure Range:1-5 Bar • Factory Setting:1,4-2,8 Bar 	3390001
V/PM12	<ul style="list-style-type: none"> • 16(10)A/250 V • Pressure Range:3-12 Bar • Factory Setting:5-7 Bar 	3390002

Description: For Booster Pump, IP44, Max. Ambient Temp: 55°C, 1/4", Without Relieve Valve

PRESSURE SWITCH

ETNA®

Model	Description	Poz Nr.
PA1V	<ul style="list-style-type: none"> • 3X16A/380 V • Pressure Range:1-5 Bar 	3240001
PA4V	<ul style="list-style-type: none"> • 3X16A/380 V • Pressure Range:3-8 Bar 	3240002
PA2V	<ul style="list-style-type: none"> • 3X16A/380 V • Pressure Range:3-11 Bar 	3240003
PA3V	<ul style="list-style-type: none"> • 3X16A/380 V • Pressure Range:4-16 Bar 	3240004

Description: For Booster Pump, Max. Ambient Temp: 55°C, 1/2", With Relieve Valve

FLOATER SWITCH

WW

Model	Description	Poz Nr.
BS127	<ul style="list-style-type: none"> • Single-Phase • 1,6 Mt Cable Length 	3370001
BS127	<ul style="list-style-type: none"> • Single-Phase • 3 Mt Cable Length 	3370002
BS127	<ul style="list-style-type: none"> • Single-Phase • 5 Mt Cable Length 	3370003
BS127	<ul style="list-style-type: none"> • Single-Phase • 10 Mt Cable Length 	3370004

Description: For Pumps, With Cable

TEFLON BAND



Model	Description	Poz Nr.
ITALY	<ul style="list-style-type: none"> • 0,076 mm x 12 mt. 	3380001
CHINA	<ul style="list-style-type: none"> • 12 mm x 0,100 mmx 8 m (For Natural Gas) 	3380002



TECHNICAL EQUIPMENT

MEASURING DEVICES

DRY PRESSURE GAUGES (BOTTOM CONNECTION)



Model	Description	Poz Nr.
040100001	<ul style="list-style-type: none"> • Ø40 mm • Scale Range: 0-2,5 Bar:0-250 Bar • Connection:G1/8" • Body: Plastic(ABS) 	3440001
050100001	<ul style="list-style-type: none"> • Ø50 mm • Scale Range: 0-1 Bar:0-315 Bar • Connection:G1/8" • Body: Plastic(ABS) 	3440002
063100001	<ul style="list-style-type: none"> • Ø63 mm • Scale Range: 0-0,6 Bar:0-600 Bar • Connection:G1/4" • Body:Sheet Metal (Black) 	3440003
100100001	<ul style="list-style-type: none"> • Ø100 mm • Scale Range: 0-0,6 Bar:0-600 Bar • Connection:G1/2" • Body:Sheet Metal (Black) 	3440004
160100001	<ul style="list-style-type: none"> • Ø160 mm • Scale Range: 0-0,6 Bar:0-600 Bar • Connection:G1/2" • Body (AISI-304) 	3440005

Description: For non-aggressive liquids and gases, IP41, Accuracy: KL2.5, Max. Media Temperature: 60 °C

DRY PRESSURE GAUGES (REAR CONNECTION)



Model	Description	Poz Nr.
040100002	<ul style="list-style-type: none"> • Ø40 mm • Scale Range: 0-2,5 Bar:0-250 Bar • Connection:G1/8" • Body: Plastic (ABS) 	3440006
050100002	<ul style="list-style-type: none"> • Ø50 mm • Scale Range: 0-1 Bar:0-315 Bar • Connection:G1/8" • Body: Plastic (ABS) 	3440007
063100002	<ul style="list-style-type: none"> • Ø63 mm • Scale Range: 0-0,06 Bar:0-600 Bar • Connection:G1/4" • Body:Sheet Metal (Black) 	3440008
100100002	<ul style="list-style-type: none"> • Ø100 mm • Scale Range: 0-0,6 Bar:0-600 Bar • Connection:G1/2" • Body:Sheet Metal (Black) 	3440009

Description: For non-aggressive liquids and gases, IP41, Accuracy: KL2.5, Max. Media Temperature:60 °C

PAKKENS

DRY PRESSURE GAUGE (PANEL MOUNTING)



Model	Description	Poz Nr.
040100003	<ul style="list-style-type: none"> • Ø40 mm • Scale Range 0-2,5 Bar:0-250 Bar • Connection:G1/8" • Body Sheet Metal(Black) • Cap:AISI-304 	3440010
050100003	<ul style="list-style-type: none"> • Ø50 mm • Scale Range: 0-1 Bar:0-315 Bar • Connection:G1/8" • Body Sheet Metal(Chromed) • Cap:AISI-304 	3440011
063100003	<ul style="list-style-type: none"> • Ø63 mm • Scale Range 0-0,6 Bar:0-600 Bar • Connection:G1/4" • Body Sheet Metal(Chromed) • Cap:AISI-304 	3440012

Description: For non-aggressive liquids and gases, IP41, Accuracy: KL2.5, Max. Media Temperature: 60 °C

LIQUID FILLED PRESSURE GAUGE (BOTTOM CONNECTION)



Model	Description	Poz Nr.
050100011	<ul style="list-style-type: none"> • Ø50 mm • Scale Range: 0-2,5 Bar:0-315 Bar • Connection:G1/8" • Body AISI-304 • Cap:AISI-304 	3440013
063100011	<ul style="list-style-type: none"> • Ø63 mm • Scale Range: 0-0,6 Bar:0-600 Bar • Connection:G1/4" • Body : AISI-304 • Cap:AISI-304 	3440014
100100011	<ul style="list-style-type: none"> • Ø100 mm • Scale Range: 0-0,6 Bar:0-600 Bar • Connection:G1/2" • Body : AISI-304 • Cap:AISI-304 	3440015

Description: For non-aggressive liquids and gases, IP41, Accuracy: KL2.5, Max. Media Temperature:60 °C



MEASURING DEVICES

PAKKENS

LIQUID FILLED PRESSURE GAUGE (REAR CONNECTION)



Model	Description	Poz Nr.
050100012	<ul style="list-style-type: none"> • Ø50 mm • Scale Range: 0-2,5 Bar:0-315 Bar • Connection:G1/8" • Body: AISI-304 • Cap:AISI-304 	3440016
063100012	<ul style="list-style-type: none"> • Ø63 mm • Scale Range: 0-0,6 Bar:0-600 Bar • Connection:G1/4" • Body : AISI-304 • Cap:AISI-304 	3440017
100100012	<ul style="list-style-type: none"> • Ø100 mm • Scale Range: 0-0,6 Bar:0-600 Bar • Connection:G1/2" • Body : AISI-304 • Cap:AISI-304 	3440018

Description: In vibrating applications, for non-aggressive liquids and gases, IP41, Accuracy: KL2.5, Max. Media Temperature:60 °C

CAPSULE DIAPHRAME PRESSURE GAUGE (BOTTOM CONNECTION)



Model	Description	Poz Nr.
063130001	<ul style="list-style-type: none"> • Ø63 mm • Scale Range: 0-25 Mbar:0-1000 Mbar • Connection:G1/4" • Body:Sheet Metal (Yellow) 	3440022
100130001	<ul style="list-style-type: none"> • Ø100 mm • Scale Range: 0-25 Mbar:0-1000 MBar • Connection:G1/2" • Body:Sheet Metal (Yellow) • Cap:Sheet Metal(Yellow) 	3440023
160130012	<ul style="list-style-type: none"> • Ø160 mm • Scale Range: 0-25 Mbar:0-1000 Mbar • Connection:G1/2" • Body:Sheet Metal (Yellow) • Cap:Sheet Metal(Yellow) 	3440024

Description: Natural gas and low pressure applications, IP41, Accuracy: KL1.6, Max Media temperature:60 °C

LIQUID FILLED PRESSURE GAUGE (PANEL MOUNTING)



Model	Description	Poz Nr.
050100013	<ul style="list-style-type: none"> • Ø50 mm • Scale Range: 0-2,5 Bar:0-315 Bar • Connection:G1/8" • Body: AISI-304 • Cap:AISI-304 	3440019
063100013	<ul style="list-style-type: none"> • Ø63 mm • Scale Range: 0-0,6 Bar:0-600 Bar • Connection:G1/4" • Body : AISI-304 • Cap:AISI-304 	3440020
100100013	<ul style="list-style-type: none"> • Ø100 mm • Scale Range: 0-0,6 Bar:0-600 Bar • Connection:G1/2" • Body : AISI-304 • Cap:AISI-304 	3440021

Description: In vibrating applications, for non-aggressive liquids and gases, IP41, Accuracy: KL2.5, Max. Media Temperature:60 °C

CAPSULE DIAPHRAME PRESSURE GAUGE (PANEL MOUNTING)



Model	Description	Poz Nr.
063130002	<ul style="list-style-type: none"> • Ø63 mm • Scale Range: 0-25 Mbar:0-1000 Mbar • Connection:G1/4" • Body:Sheet Metal (Yellow) 	3440025
100130002	<ul style="list-style-type: none"> • Ø100 mm • Scale Range: 0-25 Mbar:0-1000 MBar • Connection:G1/2" • Body:Sheet Metal (Yellow) • Cap:Sheet Metal(Yellow) 	3440026
160130002	<ul style="list-style-type: none"> • Ø160 mm • Scale Range: 0-25 Mbar:0-1000 Mbar • Connection:G1/2" • Body:Sheet Metal (Yellow) • Cap:Sheet Metal (Yellow) 	3440027

Description: Natural gas and low pressure applications, IP41, Accuracy: KL1.6, Max Media temperature:60 °C



TECHNICAL EQUIPMENT



MEASURING DEVICES

PAKKENS

CAPSULE DIAPHRAME PRESSURE GAUGE (PANEL MOUNTING)



Model	Description	Poz Nr.
063130003	<ul style="list-style-type: none"> • Ø63 mm • Scale Range: 0-25 Mbar: 0-1000 Mbar • Connection: G1/4" • Body: Sheet Metal (Yellow) 	3440028
100130003	<ul style="list-style-type: none"> • Ø100 mm • Scale Range: 0-25 Mbar: 0-1000 MBar • Connection: G1/2" • Body: Sheet Metal (Yellow) • Body: Sheet Metal (Yellow) 	3440029
160130003	<ul style="list-style-type: none"> • Ø160 mm • Scale Range: 0-25 Mbar: 0-1000 Mbar • Connection: G1/2" • Body: Sheet Metal (Yellow) • Body: Sheet Metal (Yellow) 	3440030

Description: Natural gas and low pressure applications, IP41, Accuracy: KL1.6, Max Media temperature: 60 °C

PRESSURE GAUGE WITH CAPILLARY TUBE



Model	Description	Poz Nr.
035553	<ul style="list-style-type: none"> • Ø52 mm • Scale Range: 0/6 Bar • Calibration: 1 Bar (±0,2 bar) • Capillary Length: 1500 mm • Connection Size: M14x1 • Black Surface • White Dial 	3080041
066226	<ul style="list-style-type: none"> • Ø40 mm • Scale Range: 0/2 Bar • Calibration: 1 Bar (±0,2 bar) • Capillary Length: 1500 mm • Connection Size: 1/4" GAS • White Surface • Black Dial 	3080042
036660	<ul style="list-style-type: none"> • 55x55 mm • Scale Range: 0/6 Bar • Calibration: 1 Bar (±0,2 bar) • Capillary Length: 1500 mm • Connection Size: M14x1 • Black Surface • White Dial 	3080043

Description: PVC Covered Capillary, Max. Ambient Temperature: 70 °C

PAKKENS

HYDROMETER (BOTTOM CONNECTION)



Model	Description	Poz Nr.
063300001	<ul style="list-style-type: none"> • Ø63 mm • Scale Range: 0-6 mWS: 0-100 mWS • Connection: G1/4" • Body: Sheet Metal (Black) 	3440031
100300001	<ul style="list-style-type: none"> • Ø100 mm • Scale Range: 0-6 mWS: 0-100 mWS • Connection: G1/2" • Body: Sheet Metal (Black) 	3440032

Description: For Heating Systems, Water Pumps, Water Circulation Systems, Accuracy: KL2.5, Max Media Temperature: 60 °C

HYDROMETER (REAR CONNECTION)



Model	Description	Poz Nr.
063300002	<ul style="list-style-type: none"> • Ø63 mm • Scale Range: 0-6 mWS: 0-100 mWS • Connection: G1/4" • Body: Sheet Metal (Black) 	3440033
100300002	<ul style="list-style-type: none"> • Ø100 mm • Scale Range: 0-6 mWS: 0-100 mWS • Connection: G1/2" • Body: Sheet Metal (Black) 	3440034

Description: For Heating Systems, Water Pumps, Water Circulation Systems, Accuracy: KL2.5, Max Media Temperature: 60 °C



MEASURING DEVICES

PAKKENS

VACUUM GAUGES (BOTTOM CONNECTION)



Model	Description	Poz Nr.
050200001	<ul style="list-style-type: none"> • Ø50 mm • Scale Range: -760 - 0 mm-hg • Connection:G1/4" • Body:Plastic 	3440035
063200001	<ul style="list-style-type: none"> • Ø63 mm • Scale Range: -760-0 mm-hg • Connection:G1/4" • Body:Sheet Metal (Black) 	3440036
100200001	<ul style="list-style-type: none"> • Ø100 mm • Scale Range: -760-0 mm-hg • Connection:G1/4" • Body:Sheet Metal (Black) 	3440037

Description: For Vacuum applications, Medical Devices,
Accuracy: KL2.5, Max Media Temperature:60°C

VACUUM GAUGES (REAR CONNECTION)



Model	Description	Poz Nr.
050200003	<ul style="list-style-type: none"> • Ø50 mm • Scale Range: -760 - 0 mm-hg • Connection:G1/4" • Body:Sheet Metal (Chromed) • Cap:AISI-304 	3440041
063200003	<ul style="list-style-type: none"> • Ø63 mm • Scale Range: -760-0 mm-hg • Connection:G1/4" • Body:Sheet Metal (Chromed) • Cap:AISI-304 	3440042

Description: For Vacuum applications, Medical Devices,
Accuracy: KL2.5, Max Media Temperature:60°C

VACUUM GAUGES (REAR CONNECTION)



Model	Description	Poz Nr.
050200002	<ul style="list-style-type: none"> • Ø50 mm • Scale Range: -760 - 0 mm-hg • Connection:G1/4" • Body:Plastic 	3440038
063200002	<ul style="list-style-type: none"> • Ø63 mm • Scale Range: -760-0 mm-hg • Connection:G1/4" • Body: Sheet Metal (Black) 	3440039
100200002	<ul style="list-style-type: none"> • Ø100 mm • Scale Range: -760-0 mm-hg • Connection:G1/4" • Body: Sheet Metal (Black) 	3440040

Description: For Vacuum applications, Medical Devices,
Accuracy: KL2.5, Max Media Temperature: 60°C

GLASS THERMOMETER



Model	Description	Poz Nr.
LONG	<ul style="list-style-type: none"> • Scale Range:0-130°C • Glass, Alcohol 	3430001
SHORT	<ul style="list-style-type: none"> • Scale Range:0-130°C • Glass, Alcohol 	3430002

Description: For Hot Water Boilers, Hot Water Pipe Line



TECHNICAL EQUIPMENT

MEASURING DEVICES



COVER FOR GLASS THERMOMETERS



Model	Description	Poz Nr.
	• Long (Metal Cap)	3430003
	• Long (Plastic Cap)	3430004
	• Short (Metal Cap)	3430005
	• Short (Plastic Cap)	3430006

Description: 1/2" Connection, Aluminium Anodized Coatings.

PAKKENS

THERMOMETER WITH CAPILLARY TUBE



Model	Description	Poz Nr.
040502	<ul style="list-style-type: none"> • Ø40 mm • Scale Range: 0-120°C • Body:Plastic • Capillary Length: 1000 mm • PVC Covered 	3080043
050502	<ul style="list-style-type: none"> • Ø50 mm • Scale Range: 0-120°C • Body:Plastic • Capillary Length: 1000 mm • PVC Covered 	3440044
060502	<ul style="list-style-type: none"> • Ø60 mm • Scale Range: -40/+40°C~ 0/200°C • Body:Plastic • Capillary Length: 1000 mm • PVC Covered 	3440045
060502B	<ul style="list-style-type: none"> • Ø60 mm • Scale Range: -0-250°C~ 0/350°C • Body:Plastic • Capillary Length: 1000 mm • Stranded Copper 	3440046
058502	<ul style="list-style-type: none"> • 58x25 mm • Scale Range: -40-/+40°C~ 0/250°C • Capillary Length: 1000 mm • PVC Covered 	3440047
062502	<ul style="list-style-type: none"> • 62x12 mm • Scale Range: -40/+40°C~ 0/250°C • Capillary Length: 1000 mm • PVC Covered 	3440048

Description: For Water Heaters, Wallhung Boilers, Bottom Connection, Panel Mounting

**MEASURING DEVICES****THERMOMETER WITH CAPILLARY TUBE**

Model	Description	Poz Nr.
010247	<ul style="list-style-type: none"> • Ø52 mm • Scale Range: 0/120°C • Calibration: 50°C(±2°C) • Capillary Length: 1500 mm • Black Surface • White Dial 	3080044
010308	<ul style="list-style-type: none"> • Ø52 mm • Scale Range: 0/120°C • Calibration: 50°C(±2°C) • Capillary Length: 1000 mm • White Surface • Black Dial 	3080045
010836	<ul style="list-style-type: none"> • Ø52 mm • Scale Range: 50/350°C • Calibration: 80°C(±5°C) • Capillary Length: 1000 mm • White Surface • Black Dial 	3080046
060107	<ul style="list-style-type: none"> • Ø40 mm • Scale Range: 0/120°C • Calibration: 50°C(±2°C) • Capillary Length: 1500 mm • White Surface • Black Dial 	3080047
040111	<ul style="list-style-type: none"> • Ø40 mm • Scale Range: 0/120°C • Calibration: 50°C(±2°C) • Capillary Length: 1500 mm • Black Surface • White Dial 	3080048
013451	<ul style="list-style-type: none"> • 54x54 mm • Scale Range: 0/120°C • Calibration: 50°C(±1,5°C) • Capillary Length: 1500 mm • Black Surface • White Dial 	3080049
042101	<ul style="list-style-type: none"> • 48x48 mm • Scale Range: 0/120°C • Calibration: 50°C(±1,5°C) • Capillary Length: 1500 mm • Black Surface • White Dial 	3080050
021968	<ul style="list-style-type: none"> • 8x25 mm • Scale Range: 10/105°C • Calibration: 50°C(±1,5°C) • Capillary Length: 1500 mm • White Surface • Black Dial 	3080051

**THERMOMETER WITH CAPILLARY TUBE**

Model	Description	Poz Nr.
020253	<ul style="list-style-type: none"> • 58x25 mm • Scale Range: 10/120°C • Calibration: 50°C(±1,5°C) • Capillary Length: 1500 mm • White Surface • Black Dial 	3080052
020251	<ul style="list-style-type: none"> • 58x25 mm • Scale Range: 10/120°C • Calibration: 50°C(±1,5°C) • Capillary Length: 2000 mm • White Surface • Black Dial 	3080053
022132	<ul style="list-style-type: none"> • 62x12 mm • Scale Range: 10/120°C • Calibration: 50°C(±1,5°C) • Capillary Length: 1000 mm • White Surface • Black Dial 	3080054

Description: For Water Heaters, Wallhung Boilers, PVC Covered Capillary Tube, Max. Ambient Temperature: 70°C



MEASURING DEVICES

WALL THERMOMETER



Model	Description	Poz Nr.
100400	<ul style="list-style-type: none"> • Ø100 mm • Scale Range: -30+60°C 	3440049
100400K	<ul style="list-style-type: none"> • 100x100 mm • Scale Range: -30+60°C 	3440050

Description: For Ambient temperature control

ELECTRICAL CONTACTED THERMOMETERS



Model	Description	Poz Nr.
0602522	<ul style="list-style-type: none"> • Ø63 mm • Scale Range:-30/+60°C~ 0/350°C • Capillary Length: 2000 mm • Straned Copper • Connection G3/8" • NC (SPST) 	3440051
100611TK	<ul style="list-style-type: none"> • Ø100 mm • Scale Range:-30/+40°C~ 0/500°C • Capillary Length: 3000/5000 mm • CrNi • Connection G1/2" • Contact:1 	3440052
100611CK	<ul style="list-style-type: none"> • Ø100 mm • Scale Range:-30/+40°C~ 0/500°C • Capillary Length: 3000/5000 mm • CrNi • Connection G1/2" • Contact:2 	3440053
160611TK	<ul style="list-style-type: none"> • Ø160 mm • Scale Range:-30+40°C~ 0/500°C • Capillary Length: 3000/5000 mm • CrNi • Connection G1/2" • Contact:1 	3440054
160611CK	<ul style="list-style-type: none"> • Ø160 mm • Scale Range:-30+40°C~ 0/500°C • Capillary Length: 3000/5000 mm • CrNi • Connection G1/2" • Contact:2 	3440055

Description: For water heaters, Central heating systems

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TERMOMANOMETERS



Model	Description	Poz Nr.
040702	<ul style="list-style-type: none"> • Ø40 mm • Scale Range: 0-120°C/4-6 Bar • Body:Plastic • Capillary : Copper • Connection:G1/4" 	3440056
050702	<ul style="list-style-type: none"> • Ø50 mm • Scale Range: 0-120°C/4-6 Bar • Body:Plastic • Capillary : Copper • Connection:G1/2" 	3440057
10070001	<ul style="list-style-type: none"> • Ø100 mm • Scale Range: 0-120°C/4-25 Bar • Accuracy:KL2,5 • Capillary : Copper • Connection:G1/2" 	3440058

Description: For Water Heaters, Wallhung Boilers, Bottom Connection, Panel Mounting



TERMOMANOMETERS



Model	Description	Poz Nr.
030646	<ul style="list-style-type: none"> • Ø52 mm • Scale Range: 0/120°C-0/6 Bar • Calibration:50°C (±2°C)-1 Bar (0,2 Bar) • Capillary Length:1500 mm • Capillary Connection Size:M14x1 • Black Surface • White Dial 	3080055
030008	<ul style="list-style-type: none"> • Ø52 mm • Scale Range: 0/120°C-0/4 Bar • Calibration:50°C (±1°C)-1 Bar (0,2 Bar) • Capillary Length:1000 mm • Capillary Connection Size:1/4"GAS • Black Surface • White Dial 	3080056

Description: For Water Heaters, Wallhung Boilers, Bottom Connection, Panel Mounting



MEASURING DEVICES



ACCESSORIES



Model	Description	Poz Nr.
ADAPTOR	• 1/4" Connection	3430007

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ACCESSORIES



Model	Description	Poz Nr.
V VALVE FOR MANOMETER	• 1/2" Connection with push button	3440059

ACCESSORIES



Model	Description	Poz Nr.
001566	• Pressure Gauge Stopper • Female Connection Size:1/4"GAS • Male Connection Size:1/2"NPT	3080057





BUILDING AUTOMATION DEVICES

SYNCO CONTROLLERS

SIEMENS

SYNCO 100



Model	Description	Poz Nr.
RLE132	<ul style="list-style-type: none"> Immersion Type AC 230 V 3 Position Output 	4010001
RLE162	<ul style="list-style-type: none"> Immersion Type AC 24 V 2 DC 0...10 V Outputs 	4010002
RLA162	<ul style="list-style-type: none"> Room Type AC 24 V 2 DC 0...10 V Outputs 	4010003
RLM162	<ul style="list-style-type: none"> Duct Type AC 24 V 2 DC 0...10 V Outputs 	4010004

Description: Direct Mounted Temperature Controllers

SYNCO 200



Model	Description	Poz Nr.
RLU202	<ul style="list-style-type: none"> 1 Control Loop 4 Universal Input 1 Digital Input 2 Digital Output 	4010005
RLU220	<ul style="list-style-type: none"> 1 Control Loop 4 Universal Input 1 Digital Input 2 Analogue Output 	4010006
RLU222	<ul style="list-style-type: none"> 1 Control Loop 4 Universal Input 1 Digital Input 2 Analogue Output 2 Digital Output 	4010007
RLU232	<ul style="list-style-type: none"> 2 Control Loop 5 Universal Input 2 Digital Input 3 Analogue Output 2 Digital Output 	4010008
RLU236	<ul style="list-style-type: none"> 2 Control Loop 5 Universal Input 2 Digital Input 3 Analogue Output 6 Digital Output 	4010009

Description: Universal Controllers



Model	Description	Poz Nr.
RWD60	<ul style="list-style-type: none"> 1 Control Loop 2 Universal Input 1 Digital Input 1 Analogue Output AC 24 V 	4010010
RWD62	<ul style="list-style-type: none"> 1 Control Loop 2 Universal Input 1 Digital Input 2 Analogue Output AC 24 V 	4010011
RWD68	<ul style="list-style-type: none"> 1 Control Loop 2 Universal Input 1 Digital Input 1 Analogue Output 1 Digital Output AC 24 V 	4010012
RWD82	<ul style="list-style-type: none"> 1 Control Loop 2 Universal Input 1 Digital Input 2 Digital Output 1 3 Position Output AC 24 V 	4010013

Description: Universal Controllers

SYNCO 700



Model	Description	Poz Nr.
RMH760B-1	<ul style="list-style-type: none"> 3 Universal Input 2 Analogue Input 1 Analogue Output 	4010014
RMK770-1	<ul style="list-style-type: none"> Boiler Squence Controller 8 Universal Input 2 Digital Input 2 Analogue Output 	4010015

Description: Communicating Temperature Controllers



SYNCO CONTROLLERS

SIEMENS

SYNCO 700



Model	Description	Poz Nr.
RMS750B-1	<ul style="list-style-type: none"> • Freely Configurable Unit • 3 Control Loop • 8 Universal Input • 4 Analogue Output • 6 Digital Output • Turkish 	4010016
RMU710B-1	<ul style="list-style-type: none"> • 1 Control Loop • 6 Universal Input • 2 Analogue Output • 2 Digital Output • Turkish 	4010017
RMU720B-1	<ul style="list-style-type: none"> • 2 Control Loop • 8 Universal Input • 3 Analogue Output • 4 Digital Output • Turkish 	4010018
RMU730B-1	<ul style="list-style-type: none"> • 3 Control Loop • 8 Universal Input • 4 Analogue Output • 6 Digital Output • Turkish 	4010019

Description: Communicating Universal Controllers

SYNCO 700



Model	Description	Poz Nr.
RMZ780	<ul style="list-style-type: none"> • Module Connector 	4010020
RMZ782B	<ul style="list-style-type: none"> • Heating Circuit Module 	4010021
RMZ783B	<ul style="list-style-type: none"> • DHW Module 	4010022
RMZ785	<ul style="list-style-type: none"> • Universal Module • 8 Universal Input 	4010023
RMZ787	<ul style="list-style-type: none"> • Universal Module • 4 Universal Input • 4 Digital Output 	4010024
RMZ788	<ul style="list-style-type: none"> • Universal Module • 4 Universal Input • 2 Analogue Output • 2 Digital Output 	4010025
RMZ789	<ul style="list-style-type: none"> • Universal Module • 6 Universal Input • 2 Analogue Output • 2 Digital Output 	4010026

Description: Additional Modules

SYNCO 700



Model	Description	Poz Nr.
RMZ790	<ul style="list-style-type: none"> • Synco 700 Operator Unit (Plug-in type LCD Screen) 	4010027
RMZ791	<ul style="list-style-type: none"> • Synco 700 Operator Unit (Detached Operator Unit With 3 m Cable) 	4010028
RMZ792	<ul style="list-style-type: none"> • Bus Operator Unit 	4010029

Description: Operator Units

SYNCO 700



Model	Description	Poz Nr.
RMB795B-1	<ul style="list-style-type: none"> • Central Control Unit • 6 Universal Input • 2 Analogue Output • 4 Digital Output 	4010030

Description: Central Control Unit for Room Controllers and Room Thermostats

SYNCO 700



Model	Description	Poz Nr.
OZW772.01	<ul style="list-style-type: none"> • Web Server for 1 Synco Device • DC 24 V • IP 30 	4010031
OZW772.04	<ul style="list-style-type: none"> • Web Server for 4 Synco Device • DC 24 V • IP 30 	4010032
OZW772.16	<ul style="list-style-type: none"> • Web Server for 16 Synco Device • DC 24 V • IP 30 	4010033
OZW772.250	<ul style="list-style-type: none"> • Web Server for 250 Synco Device • DC 24 V • IP 30 	4010034

Description: Central Communicating Units



BUILDING AUTOMATION DEVICES

SYNCO CONTROLLERS

SIEMENS

SYNCO 700



Model	Description	Poz Nr.
OCI700.1	• Service Tool for KNX / LPB	4010035
OCI702	• USB - KNX Service Interface	4010036
SEA45.5	• Current Valve • AC 24 V • IP20	4010037
SEH62.1	• Digital Time Switch • AC 230 V • 1 Channel With 7 days Program • IP 20	4010038
SEM61.4	• Signal Converter • DC 0...10 V Input • AC 24V 3 Position Program	4010039
SEM62.1	• Transformer • AC 24 V Output • AC 230 V Input	4010040
SEM62.2	• Transformer • AC 230 V Input • AC 24 V Output • With Switch and Replaceable Fuse	4010041
SEZ220	• Signal Converter With Preprogrammed Application • 0...1000 Ohm • DC 0...10 V • LG-Ni1000 • Pt1000 • T1 (PTC) Input • DC0...10 V Output • IP20	4010042
SEZ31.1	• Variable Positioning Time for SQL36E.. Auxiliary Module	4010043
SEZ91.6	• Signal Converter • DC 0...20 V Phs Input • DC 0...10 V Output	4010044

Description: Accessories

SYNCO 700



Model	Description	Poz Nr.
BSG21.1	• Passive • 0...50°C • (0... 1000 Ω) • IP42	4010045
BSG21.5	• Passive • -20...+20 C • (913... 1091 Ω) • 20...60°C • (1091...1285 Ω) • -3... +3K • (1000...1175 Ω) • IP42	4010046
BSG61	• Active • AC 24 V • DC 15...24 V • DC 0...10 V	4010047

Description: Built-in Temperature Setting Potentiometers



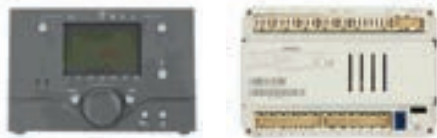
ALBATROS2 CONTROLLERS

SIEMENS



Model	Description	Poz Nr.
RVS13.143/109	<ul style="list-style-type: none"> Boiler DHW and 1 Heating Circuit Single Stage Burner Control 	4010048
RVS43.345/109	<ul style="list-style-type: none"> Boiler DHW and 1 Heating Circuit Double Stage Burner Control Cascade Control 	4010049
RVS63.283/109	<ul style="list-style-type: none"> Boiler DHW and 2 Heating Circuit Modulating Burner Cascade Control 	4010050
RVS46.530/109	<ul style="list-style-type: none"> 1 Heating Circuit 	4010051
RVS46.543/109	<ul style="list-style-type: none"> DHW and 1 Heating Circuit 	4010052
AVS75.390/101	<ul style="list-style-type: none"> Extension Module for RVS.. Controllers (1 Heating Circuit Control, Maximum 2 Pieces Could be Applied) 	4010053

Description: Heating Controller, Rail Mounted



Model	Description	Poz Nr.
AVS37.294/509	<ul style="list-style-type: none"> Operator Unit 138x92 mm IP40 	4010054
AVS82.491 109	<ul style="list-style-type: none"> Ribbon Cable for the Controller -HMI connection 1000 mm. 	4010058
AVS82.490/109	<ul style="list-style-type: none"> Ribbon Cable for the Controller-extension Module, 400 mm. 	4010059
AVS92.290/109	<ul style="list-style-type: none"> Rear Cover for Operator Unit 	4010060
RVS13 Connector Set	<ul style="list-style-type: none"> Connector Set for RVS13.143/109 	4010061
RVS43 Connector Set	<ul style="list-style-type: none"> Connector Set for RVS43.345/109 	4010062
RVS63 Connector Set	<ul style="list-style-type: none"> Connector Set for RVS63.283/109 	4010063

Description: Accessories for RVS.. Controllers



Model	Description	Poz Nr.
QAC34/101	<ul style="list-style-type: none"> Outside Temperature Senso NTC1k 	4010064
QAZ36.522/109	<ul style="list-style-type: none"> Cable Temperature Senso NTC10k 	4010065
QAD36/101	<ul style="list-style-type: none"> Strap-on Temperature Sensor NTC10k 	4010066

Description: Temperature Sensors for RVS.. Controllers



Model	Description	Poz Nr.
OZW672.01	<ul style="list-style-type: none"> Web Server for 1 LPB/BSB Device 	4010072
OZW672.04	<ul style="list-style-type: none"> Web Server for 4 LPB Devices 	4010073
OZW672.16	<ul style="list-style-type: none"> Web Server for 16 LPB Devices 	4010074

Description: Web Server for RVS.. Controllers



Model	Description	Poz Nr.
OCI700.1	<ul style="list-style-type: none"> Service Tool for KNX / LPB 	4010035



ACVATIX VALVES

SIEMENS

LINEAR VALVES



Model	Description	Poz Nr.
VVI46.15/2	<ul style="list-style-type: none"> • DN15 • Stroke:2,5 mm • Kvs:2,15 	4010076
VVI46.20/2	<ul style="list-style-type: none"> • DN20 • Stroke:2,5 mm • Kvs:3,5 	4010077
VVI46.25/2	<ul style="list-style-type: none"> • DN25 • Stroke:2,5 mm • Kvs:5,0 	4010078

Description: 2 Way, Internal Threaded Valves, PN16

LINEAR VALVES



Model	Description	Poz Nr.
VXI46.15/2	<ul style="list-style-type: none"> • DN15 • Stroke:2,5 mm • Kvs:2,15 	4010079
VXI46.20/2	<ul style="list-style-type: none"> • DN20 • Stroke:2,5 mm • Kvs:3,5 	4010080
VXI46.25/2	<ul style="list-style-type: none"> • DN25 • Stroke:2,5 mm • Kvs:5,0 	4010081
VXI46.25T/2	<ul style="list-style-type: none"> • DN25 • Stroke:2,5 mm • Kvs: 5,5 	4010082

Description: 3 Way, Internal Threaded Valves, PN16

LINEAR VALVES



Model	Description	Poz Nr.
VVP47.10-0.25	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:0,25 	4010083
VVP47.10-0.25S	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:0,25 	4010084
VVP47.10-0.4	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:0,40 	4010085
VVP47.10-0.4S	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:0,40 	4010086
VVP47.10-0.63	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:0,63 	4010087
VVP47.10-0.63S	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:0,63 	4010088
VVP47.10-1	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:1 	4010089
VVP47.10-1S	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:1 	4010090
VVP47.10-1.6	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:1,6 	4010091
VVP47.10-1.6S	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:1,6 	4010092
VVP47.15-2.5	<ul style="list-style-type: none"> • DN15 • Stroke:2,5 mm • Kvs:2,5 	4010093
VVP47.15-2.5S	<ul style="list-style-type: none"> • DN15 • Stroke:2,5 mm • Kvs:2,5 	4010094
VVP47.20-4	<ul style="list-style-type: none"> • DN20 • Stroke:2,5 mm • Kvs:4,0 	4010095

Description: 2 Way, External Threaded Valves, PN16

**ACVATIX VALVES****SIEMENS****LINEAR VALVES**

Model	Description	Poz Nr.
VXP47.10-0.25	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:0,25 	4010096
VXP47.10-0.4	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:0,40 	4010097
VXP47.10-0.63	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:0,63 	4010098
VXP47.10-1	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs: 1,0 	4010099
VXP47.10-1.6	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:1,6 	4010100
VXP47.15-2.5	<ul style="list-style-type: none"> • DN15 • Stroke:2,5 mm • Kvs:2,5 	4010101
VXP47.20-4	<ul style="list-style-type: none"> • DN20 • Stroke:2,5 mm • Kvs:4,0 	4010102
Description: 2 Way, External Threaded Valves, PN16		

LINEAR VALVES

Model	Description	Poz Nr.
VMP47.10-0.25	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:0,25 	4010103
VMP47.10-0.25S	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:0,25 	4010104
VMP47.10-0.4	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:0,40 	4010105
VMP47.10-0.4S	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:0,40 	4010106
VMP47.10-0.63	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:0,63 	4010107
VMP47.10-0.63S	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:0,63 	4010108
VMP47.10-1	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:1 	4010109
VMP47.10-1S	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:1 	4010110
VMP47.10-1.6	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:1,6 	4010111
VMP47.10-1.6S	<ul style="list-style-type: none"> • DN10 • Stroke:2,5 mm • Kvs:1,6 	4010112
VMP47.15-2.5	<ul style="list-style-type: none"> • DN15 • Stroke:2,5 mm • Kvs:2,5 	4010113
VMP47.15-2.5S	<ul style="list-style-type: none"> • DN15 • Stroke:2,5 mm • Kvs:2,5 	4010114
Description: 3 Way Seat Valve With Bypass, External Threaded Valves, PN16		



BUILDING AUTOMATION DEVICES

ACVATIX VALVES

SIEMENS

LINEAR VALVES



Model	Description	Poz Nr.
VVG41.11	<ul style="list-style-type: none"> • DN15 • Stroke:20 mm • Kvs:0,63 	4010115
VVG41.12	<ul style="list-style-type: none"> • DN15 • Stroke:20 mm • Kvs:1,0 	4010116
VVG41.13	<ul style="list-style-type: none"> • DN15 • Stroke:20 mm • Kvs:1,6 	4010117
VVG41.14	<ul style="list-style-type: none"> • DN15 • Stroke:20 mm • Kvs:2,5 	4010118
VVG41.15	<ul style="list-style-type: none"> • DN15 • Stroke:20 mm • Kvs:4,0 	4010119
VVG41.20	<ul style="list-style-type: none"> • DN20 • Stroke:20 mm • Kvs:6,3 	4010120
VVG41.25	<ul style="list-style-type: none"> • DN25 • Stroke:20 mm • Kvs:10 	4010121
VVG41.32	<ul style="list-style-type: none"> • DN32 • Stroke:20 mm • Kvs:16 	4010122
VVG41.40	<ul style="list-style-type: none"> • DN40 • Stroke:20 mm • Kvs:25 	4010123
VVG41.50	<ul style="list-style-type: none"> • DN50 • Stroke:20 mm • Kvs:40 	4010124

Description: 2 Way, External Threaded Valves, PN16


LINEAR VALVES




Model	Description	Poz Nr.
VXG41.15	<ul style="list-style-type: none"> • DN15 • Stroke:20 mm • Kvs:4,0 	4010125
VXG41.20	<ul style="list-style-type: none"> • DN20 • Stroke:20 mm • Kvs:6,3 	4010126
VXG41.25	<ul style="list-style-type: none"> • DN25 • Stroke:20 mm • Kvs:10 	4010127
VXG41.32	<ul style="list-style-type: none"> • DN32 • Stroke:20 mm • Kvs:16 	4010128
VXG41.40	<ul style="list-style-type: none"> • DN40 • Stroke:20 mm • Kvs:25 	4010129
VXG41.50	<ul style="list-style-type: none"> • DN50 • Stroke:20 mm • Kvs:40 	4010130
VXG41.1301	<ul style="list-style-type: none"> • DN15 • Stroke:20 mm • Kvs:1,6 	4010131
VXG41.1401	<ul style="list-style-type: none"> • DN15 • Stroke:20 mm • Kvs:2,5 	4010132
VXG41.1501	<ul style="list-style-type: none"> • DN15 • Stroke:20 mm • Kvs:4,0 	4010133
VXG41.2001	<ul style="list-style-type: none"> • DN20 • Stroke:20 mm • Kvs:6,3 	4010134
VXG41.2501	<ul style="list-style-type: none"> • DN25 • Stroke:20 mm • Kvs:10 	4010135
VXG41.3201	<ul style="list-style-type: none"> • DN32 • Stroke:20 mm • Kvs:16 	4010136
VXG41.4001	<ul style="list-style-type: none"> • DN40 • Stroke:20 mm • Kvs:25 	4010137
VXG41.5001	<ul style="list-style-type: none"> • DN50 • Stroke:20 mm • Kvs:40 	4010138

Description: 3 Way, External Threaded Valves, PN16

**ACVATIX VALVES****SIEMENS**

LINEAR VALVES		
		
Model	Description	Poz Nr.
VVG44.15-0.25	• DN15 • Stroke:5,5 mm • Kvs:0,25	4010139
VVG44.15-0.4	• DN15 • Stroke:5,5 mm • Kvs:0,40	4010140
VVG44.15-0.63	• DN15 • Stroke:5,5 mm • Kvs:0,63	4010141
VVG44.15-1	• DN15 • Stroke:5,5 mm • Kvs:1,0	4010142
VVG44.15-1.6	• DN15 • Stroke:5,5 mm • Kvs:1,6	4010143
VVG44.15-2.5	• DN15 • Stroke:5,5 mm • Kvs:2,5	4010144
VVG44.15-4	• DN15 • Stroke:5,5 mm • Kvs:4,0	4010145
VVG44.20-6.3	• DN20 • Stroke:5,5 mm • Kvs:6,3	4010146
VVG44.25-10	• DN25 • Stroke:5,5 mm • Kvs:10	4010147
VVG44.32-16	• DN32 • Stroke:5,5 mm • Kvs:16	4010148
VVG44.40-25	• DN40 • Stroke:5,5 mm • Kvs:25	4010149
Description: 3 Way, External Threaded Valves, PN16		

LINEAR VALVES		
		
Model	Description	Poz Nr.
VXG44.15-0.25	• DN15 • Stroke:5,5 mm • Kvs:0,25	4010150
VXG44.15-0.4	• DN15 • Mil:5,5 mm • Kvs:0,40	4010151
VXG44.15-0.63	• DN15 • Stroke:5,5 mm • Kvs:0,63	4010152
VXG44.15-1	• DN15 • Stroke:5,5 mm • Kvs:1,0	4010153
VXG44.15-1.6	• DN15 • Stroke:5,5 mm • Kvs:1,6	4010154
VXG44.15-2.5	• DN15 • Stroke:5,5 mm • Kvs:2,5	4010155
VXG44.15-4	• DN15 • Stroke:5,5 mm • Kvs:4,0	4010156
VXG44.20-6.3	• DN20 • Stroke:5,5 mm • Kvs:6,3	4010157
VXG44.25-10	• DN25 • Stroke:5,5 mm • Kvs:10	4010158
VXG44.32-16	• DN32 • Stroke:5,5 mm • Kvs:16	4010159
VXG44.40-25	• DN40 • Stroke:5,5 mm • Kvs:25	4010160
Description: 2 Way Flanged Valves, PN6		



BUILDING AUTOMATION DEVICES

ACVATIX VALVES

SIEMENS

LINEAR VALVES



Model	Description	Poz Nr.
VVG549.15-0.25	<ul style="list-style-type: none"> • DN15 • Stroke:5,5 mm • Kvs:0,25 	4010161
VVG549.15-0.4	<ul style="list-style-type: none"> • DN15 • Stroke:5,5 mm • Kvs:0,40 	4010162
VVG549.15-0.63	<ul style="list-style-type: none"> • DN15 • Stroke:5,5 mm • Kvs:0,63 	4010163
VVG549.15-1	<ul style="list-style-type: none"> • DN15 • Stroke:5,5 mm • Kvs:1,0 	4010164
VVG549.15-1.6	<ul style="list-style-type: none"> • DN15 • Stroke:5,5 mm • Kvs:1,6 	4010165
VVG549.15-2.5	<ul style="list-style-type: none"> • DN15 • Stroke:5,5 mm • Kvs:2,5 	4010166
VVG549.20-4K	<ul style="list-style-type: none"> • DN20 • Stroke:5,5 mm • Kvs:4,0 	4010167
VVG549.25-6.3K	<ul style="list-style-type: none"> • DN25 • Stroke:5,5 mm • Kvs:6,3 	4010168

Description: 2 Way, External Threaded Valves, PN25

LINEAR VALVES



Model	Description	Poz Nr.
VVP45.10-0.25	<ul style="list-style-type: none"> • DN10 • Stroke:5,5mm • Kvs:0,25 	4010169
VVP45.10-0.4	<ul style="list-style-type: none"> • DN10 • Stroke:5,5 mm • Kvs:0,40 	4010170
VVP45.10-0.63	<ul style="list-style-type: none"> • DN10 • Stroke:5,5 mm • Kvs:0,63 	4010171
VVP45.10-1	<ul style="list-style-type: none"> • DN10 • Stroke:5,5 mm • Kvs:1,0 	4010172
VVP45.10-1.6	<ul style="list-style-type: none"> • DN10 • Stroke:5,5 mm • Kvs:1,6 	4010173
VVP45.15-2.5	<ul style="list-style-type: none"> • DN15 • Stroke:5,5 mm • Kvs:2,5 	4010174
VVP45.20-4	<ul style="list-style-type: none"> • DN 0 • Stroke:5,5 mm • Kvs:4,0 	4010176
VVP45.20-4N	<ul style="list-style-type: none"> • DN20 • Stroke:5,5 mm • Kvs:4,0 	4010177
VVP45.25-6.3	<ul style="list-style-type: none"> • DN25 • Stroke:5,5 mm • Kvs:6,3 	4010178
VVP45.25-6.3N	<ul style="list-style-type: none"> • DN25 • Stroke:5,5 mm • Kvs:6,3 	4010179
VVP45.25-10	<ul style="list-style-type: none"> • DN25 • Stroke:5,5 mm • Kvs:10 	4010180
VVP45.32-16	<ul style="list-style-type: none"> • DN32 • Stroke:5,5 mm • Kvs:16 	4010181
VVP45.40-25	<ul style="list-style-type: none"> • DN40 • Stroke:5,5 mm • Kvs:25 	4010182

Description: 2 Way, External Threaded Valves, PN16

**ACVATIX VALVES****SIEMENS****LINEAR VALVES**

Model	Description	Poz Nr.
VXP45.10-0.25	• DN10 • Stroke:5,5 mm • Kvs:0,25	4010183
VXP45.10-0.4	• DN10 • Stroke:5,5 mm • Kvs:0,40	4010184
VXP45.10-0.63	• DN10 • Stroke:5,5 mm • Kvs:0,63	4010185
VXP45.10-1	• DN10 • Stroke:5,5 mm • Kvs:1,0	4010186
VXP45.10-1.6	• DN10 • Stroke:5,5 mm • Kvs:1,6	4010187
VXP45.15-2.5	• DN15 • Stroke:5,5 mm • Kvs:2,5	4010188
VXP45.20-4	• DN20 • Stroke:5,5 mm • Kvs:4,0	4010189
VXP45.25-6.3	• DN25 • Stroke:5,5 mm • Kvs:6,3	4010190
VXP45.25-10	• DN25 • Stroke:5,5 mm • Kvs:10	4010191
VXP45.32-16	• DN32 • Stroke:5,5 mm • Kvs:16	4010192
VXP45.40-25	• DN40 • Stroke:5,5 mm • Kvs:25	4010193
Description: 3 Way, External Threaded Valves, PN16		

LINEAR VALVES

Model	Description	Poz Nr.
VMP45.10-0.25	• DN10 • Stroke:5,5 mm • Kvs:0,25	4010194
VMP45.10-0.4	• DN10 • Stroke:5,5 mm • Kvs:0,40	4010195
VMP45.10-0.63	• DN10 • Stroke:5,5 mm • Kvs:0,63	4010196
VMP45.10-1	• DN10 • Stroke:5,5 mm • Kvs:1,0	4010197
VMP45.10-1.6	• DN10 • Stroke:5,5 mm • Kvs:1,6	4010198
VMP45.15-2.5	• DN15 • Stroke:5,5 mm • Kvs:2,5	4010199
VMP45.20-4	• DN20 • Stroke:5,5 mm • Kvs:4,0	4010200
Description: 3 Way Seat Valve With Bypass, External Threaded, PN16		



BUILDING AUTOMATION DEVICES

ACVATIX VALVES

SIEMENS

LINEAR VALVES



Model	Description	Poz Nr.
VVF22.25-2.5	<ul style="list-style-type: none"> • DN25 • Stroke:20 mm • Kvs:2,5 	4010201
VVF22.25-4	<ul style="list-style-type: none"> • DN25 • Stroke:20 mm • Kvs:4,0 	4010202
VVF22.25-6.3	<ul style="list-style-type: none"> • DN25 • Stroke:20 mm • Kvs:6,3 	4010203
VVF22.25-10	<ul style="list-style-type: none"> • DN25 • Stroke:20 mm • Kvs:10 	4010204
VVF22.40-16	<ul style="list-style-type: none"> • DN40 • Stroke:20 mm • Kvs:16 	4010205
VVF22.40-25	<ul style="list-style-type: none"> • DN40 • Stroke:20 mm • Kvs:25 	4010206
VVF22.50-40	<ul style="list-style-type: none"> • DN50 • Stroke:20 mm • Kvs:40 	4010207
VVF22.65-63	<ul style="list-style-type: none"> • DN65 • Stroke:20 mm • Kvs:63 	4010208
VVF22.80-100	<ul style="list-style-type: none"> • DN80 • Stroke:20 mm • Kvs:100 	4010209
VVF22.100-160	<ul style="list-style-type: none"> • DN100 • Stroke:40 mm • Kvs:160 	4010210
Description: 2 Way Flanged Valves, PN6		

LINEAR VALVES



Model	Description	Poz Nr.
VXF22.25-2.5	<ul style="list-style-type: none"> • DN25 • Stroke:20 mm • Kvs:2,5 	4010211
VXF22.25-4	<ul style="list-style-type: none"> • DN25 • Stroke:20 mm • Kvs:4,0 	4010212
VXF22.25-6.3	<ul style="list-style-type: none"> • DN25 • Stroke:20 mm • Kvs:6,3 	4010213
VXF22.25-10	<ul style="list-style-type: none"> • DN25 • Stroke:20 mm • Kvs:10 	4010214
VXF22.40-16	<ul style="list-style-type: none"> • DN40 • Stroke:20 mm • Kvs:16 	4010215
VXF22.40-25	<ul style="list-style-type: none"> • DN40 • Stroke:20 mm • Kvs:25 	4010216
VXF22.50-40	<ul style="list-style-type: none"> • DN50 • Stroke:20 mm • Kvs:40 	4010217
VXF22.65-63	<ul style="list-style-type: none"> • DN65 • Stroke:20 mm • Kvs:63 	4010218
VXF22.80-100	<ul style="list-style-type: none"> • DN80 • Stroke:20 mm • Kvs:100 	4010219
VXF22.100-160	<ul style="list-style-type: none"> • DN100 • Stroke:40 mm • Kvs:160 	4010220
Description: 3 Way Flanged Valves, PN6		

**ACVATIX VALVES****SIEMENS****LINEAR VALVES**

Model	Description	Poz Nr.
VVF32.15-1.6	• DN15 • Stroke:20 mm • Kvs:1,6	4010221
VVF32.15-2.5	• DN15 • Stroke:20 mm • Kvs:2,5	4010222
VVF32.15-4	• DN15 • Stroke:20 mm • Kvs:4,0	4010223
VVF32.25-6.3	• DN25 • Stroke:20 mm • Kvs:6,3	4010224
VVF32.25-10	• DN25 • Stroke:20 mm • Kvs:10	4010225
VVF32.40-16	• DN40 • Stroke:20 mm • Kvs:16	4010226
VVF32.40-25	• DN40 • Stroke:20 mm • Kvs:25	4010227
VVF32.50-40	• DN50 • Stroke:20 mm • Kvs:40	4010228
VVF32.65-63	• DN65 • Stroke:20 mm • Kvs:63	4010229
VVF32.80-100	• DN80 • Stroke:20 mm • Kvs:100	4010230
VVF32.100-160	• DN100 • Stroke:40 mm • Kvs:160	4010231
VVF32.125-250	• DN125 • Stroke:40 mm • Kvs:250	4010232
VVF32.150-400	• DN150 • Stroke:40 mm • Kvs:400	4010233
Description: 2 Way Flanged Valves, PN10		

LINEAR VALVES

Model	Description	Poz Nr.
VXF32.15-1.6	• DN15 • Stroke:20 mm • Kvs:1,6	4010234
VXF32.15-2.5	• DN15 • Stroke:20 mm • Kvs:2,5	4010235
VXF32.15-4	• DN15 • Stroke:20 mm • Kvs:4,0	4010236
VXF32.25-6.3	• DN25 • Stroke:20 mm • Kvs:6,3	4010237
VXF32.25-10	• DN25 • Stroke:20 mm • Kvs:10	4010238
VXF32.40-16	• DN40 • Stroke:20 mm • Kvs:16	4010239
VXF32.40-25	• DN40 • Stroke:20 mm • Kvs:25	4010240
VXF32.50-40	• DN50 • Stroke:20 mm • Kvs:40	4010241
VXF32.65-63	• DN65 • Stroke:20 mm • Kvs:63	4010242
VXF32.80-100	• DN80 • Stroke:20 mm • Kvs:100	4010243
VXF32.100-160	• DN100 • Stroke:40 mm • Kvs:160	4010244
VXF32.125-250	• DN125 • Stroke:40 mm • Kvs:250	4010245
VXF32.150-400	• DN150 • Stroke:40 mm • Kvs:400	4010246
Description: 3 Way Flanged Valves, PN10		



BUILDING AUTOMATION DEVICES

ACVATIX VALVES

SIEMENS

LINEAR VALVES



Model	Description	Poz Nr.
VVF42.15-1.6	<ul style="list-style-type: none"> • DN15 • Stroke:20 mm • Kvs:1,6 	4010247
VVF42.15-2.5	<ul style="list-style-type: none"> • DN15 • Stroke:20 mm • Kvs:2,5 	4010248
VVF42.20-6.3	<ul style="list-style-type: none"> • DN20 • Stroke:20 mm • Kvs:6,3 	4010249
VVF42.25-6,3	<ul style="list-style-type: none"> • DN25 • Stroke:20 mm • Kvs:6,3 	4010250
VVF42.25-10	<ul style="list-style-type: none"> • DN25 • Stroke:20 mm • Kvs:10 	4010251
VVF42.32-16	<ul style="list-style-type: none"> • DN32 • Stroke:20 mm • Kvs:16 	4010252
VVF42.40-16	<ul style="list-style-type: none"> • DN40 • Stroke:20 mm • Kvs:16 	4010253
VVF42.40-25	<ul style="list-style-type: none"> • DN40 • Stroke:20 mm • Kvs:25 	4010254
VVF42.50-31.5	<ul style="list-style-type: none"> • DN50 • Stroke:20 mm • Kvs:31,5 	4010255
VVF42.50-40	<ul style="list-style-type: none"> • DN50 • Stroke:20 mm • Kvs:40 	4010256
VVF42.65-50	<ul style="list-style-type: none"> • DN65 • Stroke:20 mm • Kvs:50 	4010257
VVF42.65-63	<ul style="list-style-type: none"> • DN65 • Stroke:20 mm • Kvs:63 	4010258
VVF42.80-80	<ul style="list-style-type: none"> • DN80 • Stroke:20 mm • Kvs:80 	4010259
VVF42.80-100	<ul style="list-style-type: none"> • DN80 • Stroke:20 mm • Kvs:100 	4010260
VVF42.100-125	<ul style="list-style-type: none"> • DN100 • Stroke:40 mm • Kvs:125 	4010261
VVF42.100-160	<ul style="list-style-type: none"> • DN100 • Stroke:40 mm • Kvs:160 	4010262
VVF42.125-200	<ul style="list-style-type: none"> • DN125 • Stroke:40 mm • Kvs:200 	4010263



LINEAR VALVES



Model	Description	Poz Nr.
VVF42.125-250	<ul style="list-style-type: none"> • DN125 • Stroke:40 mm • Kvs:250 	4010264
VVF42.150-315	<ul style="list-style-type: none"> • DN150 • Stroke:40 mm • Kvs:315 	4010265
VVF42.150-400	<ul style="list-style-type: none"> • DN150 • Stroke:40 mm • Kvs:400 	4010266

Description: 2 Way Flanged Valves, PN16

LINEAR VALVES



Model	Description	Poz Nr.
VVF42.50-40K	<ul style="list-style-type: none"> • DN50 • Stroke:20 mm • Kvs:40 	4010267
VVF42.65-63K	<ul style="list-style-type: none"> • DN65 • Stroke:20 mm • Kvs:63 	4010268
VVF42.80-100K	<ul style="list-style-type: none"> • DN80 • Stroke:20 mm • Kvs:100 	4010269
VVF42.100-160K	<ul style="list-style-type: none"> • DN100 • Stroke:40 mm • Kvs:160 	4010270
VVF42.125-250K	<ul style="list-style-type: none"> • DN125 • Stroke:40 mm • Kvs:250 	4010271

Description: 2 Way Flanged Valves, PN16, Pressure Compensated

**ACVATIX VALVES****SIEMENS****LINEAR VALVES**

Model	Description	Poz Nr.
VXF42.15-1.6	• DN15 • Stroke:20 mm • Kvs:1,6	4010272
VXF42.15-2.5	• DN15 • Stroke:20 mm • Kvs:2,5	4010273
VXF42.20-6.3	• DN20 • Stroke:20 mm • Kvs:6,3	4010274
VXF42.25-6.3	• DN25 • Stroke:20 mm • Kvs:6,3	4010275
VXF42.25-10	• DN25 • Stroke:20 mm • Kvs:10	4010276
VXF42.32-16	• DN32 • Stroke:20 mm • Kvs:16	4010277
VXF42.40-16	• DN40 • Stroke:20 mm • Kvs:16	4010278
VXF42.40-25	• DN40 • Stroke:20 mm • Kvs:25	4010279
VXF42.50-31.5	• DN50 • Stroke:20 mm • Kvs:31,5	4010280
VXF42.50-40	• DN50 • Stroke:20 mm • Kvs:40	4010281
VXF42.65-50	• DN65 • Stroke:20 mm • Kvs:50	4010282
VXF42.65-63	• DN65 • Stroke:20 mm • Kvs:63	4010283
VXF42.80-80	• DN80 • Stroke:20 mm • Kvs:80	4010284
VXF42.80-100	• DN80 • Stroke:20 mm • Kvs:100	4010285
VXF42.100-125	• DN100 • Stroke:40 mm • Kvs:125	4010286
VXF42.100-160	• DN100 • Stroke:40 mm • Kvs:160	4010287
VXF42.125-200	• DN125 • Stroke:40 mm • Kvs:200	4010288
VXF42.125-250	• DN125 • Stroke:40 mm • Kvs:250	4010289

**LINEAR VALVES**

Model	Description	Poz Nr.
VXF42.150-315	• DN150 • Stroke:40 mm • Kvs:315	4010290
VXF42.150-400	• DN150 • Stroke:40 mm • Kvs:400	4010291

Description: 3 Way Flanged Valves, PN16**LINEAR VALVES**

Model	Description	Poz Nr.
VVF43.65-50	• DN65 • Stroke:20 mm • Kvs:50	4010292
VVF43.65-63	• DN65 • Stroke:20 mm • Kvs:63	4010293
VVF43.80-80	• DN80 • Stroke:20 mm • Kvs:80	4010294
VVF43.80-100	• DN80 • Stroke:20 mm • Kvs:100	4010295
VVF43.100-125	• DN100 • Stroke:40 mm • Kvs:125	4010296
VVF43.100-160	• DN100 • Stroke:40 mm • Kvs:160	4010297
VVF43.125-200	• DN125 • Stroke:40 mm • Kvs:200	4010298
VVF43.125-250	• DN125 • Stroke:40 mm • Kvs:250	4010299
VVF43.150-315	• DN150 • Stroke:40 mm • Kvs:315	4010300
VVF43.150-400	• DN150 • Stroke:40 mm • Kvs:400	4010301

Description: 2 Way Flanged Valves, PN16



BUILDING AUTOMATION DEVICES

ACVATIX VALVES

SIEMENS

LINEAR VALVES



Model	Description	Poz Nr.
VVF43.65-63K	<ul style="list-style-type: none"> • DN65 • Stroke:20 mm • Kvs:63 	4010302
VVF43.80-100K	<ul style="list-style-type: none"> • DN80 • Stroke:20 mm • Kvs:100 	4010303
VVF43.100-150K	<ul style="list-style-type: none"> • DN100 • Stroke:40 mm • Kvs:150 	4010304
VVF43.125-220K	<ul style="list-style-type: none"> • DN125 • Stroke:40 mm • Kvs:220 	4010305
VVF43.150-315K	<ul style="list-style-type: none"> • DN150 • Stroke:40 mm • Kvs:315 	4010306
VVF43.200-450K	<ul style="list-style-type: none"> • DN200 • Stroke:40 mm • Kvs:450 	4010307
VVF43.250-630K	<ul style="list-style-type: none"> • DN250 • Stroke:40 mm • Kvs:630 	4010308

Description: 2 Way Flanged Valves, PN16, Pressure Compensated

LINEAR VALVES



Model	Description	Poz Nr.
VXF43.65-63	<ul style="list-style-type: none"> • DN65 • Stroke:20 mm • Kvs:63 	4010309
VXF43.80-100	<ul style="list-style-type: none"> • DN80 • Stroke:20 mm • Kvs:100 	4010310
VVF43.100-160	<ul style="list-style-type: none"> • DN100 • Stroke:40 mm • Kvs:160 	4010311
VVF43.125-250	<ul style="list-style-type: none"> • DN125 • Stroke:40 mm • Kvs:250 	4010312
VVF43.150-400	<ul style="list-style-type: none"> • DN150 • Stroke:40 mm • Kvs:400 	4010313

Description: 3 Way Flanged Valves, PN16

**ACVATIX VALVES****SIEMENS****LINEAR VALVES**

Model	Description	Poz Nr.
VVF53.15-0.16	• DN15 • Stroke:20 mm • Kvs:0,16	4010314
VVF53.15-0.2	• DN15 • Stroke:20 mm • Kvs:0,2	4010315
VVF53.15-0.25	• DN15 • Stroke:20 mm • Kvs:0,25	4010316
VVF53.15-0.32	• DN15 • Stroke:20 mm • Kvs:0,32	4010317
VVF53.15-0.4	• DN15 • Stroke:20 mm • Kvs:0,4	4010318
VVF53.15-0.5	• DN15 • Stroke:20 mm • Kvs:0,5	4010319
VVF53.15-0.63	• DN15 • Stroke:20 mm • Kvs:0,63	4010320
VVF53.15-0.8	• DN15 • Mil:20 mm • Kvs:0,8	4010321
VVF53.15-1	• DN15 • Stroke:20 mm • Kvs:1,0	4010322
VVF53.15-1.25	• DN15 • Stroke:20 mm • Kvs:1,25	4010323
VVF53.15-1.6	• DN15 • Stroke:20 mm • Kvs:1,6	4010324
VVF53.15-2	• DN15 • Mil:20 mm • Kvs:2,0	4010325
VVF53.15-2.5	• DN15 • Stroke:20 mm • Kvs:2,5	4010326
VVF53.15-3.2	• DN15 • Stroke:20 mm • Kvs:3,2	4010327
VVF53.15-4	• DN15 • Stroke:20 mm • Kvs:4,0	4010328
VVF53.20-6.3	• DN20 • Stroke:20 mm • Kvs:6,3	4010329
VVF53.25-5	• DN25 • Stroke:20 mm • Kvs:5,0	4010330
VVF53.25-6.3	• DN25 • Stroke:20 mm • Kvs:6,3	4010331

LINEAR VALVES

Model	Description	Poz Nr.
VVF53.25-8	• DN25 • Stroke:20 mm • Kvs:8	4010332
VVF53.25-10	• DN25 • Stroke:20 mm • Kvs:10	4010333
VVF53.32-16	• DN32 • Stroke:20 mm • Kvs:16	4010334
VVF53.40-12.5	• DN40 • Stroke:20 mm • Kvs:12,5	4010335
VVF53.40-16	• DN40 • Stroke:20 mm • Kvs:16	4010336
VVF53.40-20	• DN40 • Stroke:20 mm • Kvs:20	4010337
VVF53.40-25	• DN40 • Stroke:20 mm • Kvs:25	4010338
VVF53.50-31.5	• DN50 • Stroke:20 mm • Kvs:31,5	4010339
VVF53.50-40	• DN50 • Stroke:20 mm • Kvs:40	4010340
VVF53.65-63	• DN65 • Stroke:20 mm • Kvs:63	4010341
VVF53.80-100	• DN80 • Stroke:20 mm • Kvs:100	4010342
VVF53.100-160	• DN100 • Stroke:40 mm • Kvs:160	4010343
VVF53.125-250	• DN125 • Stroke:40 mm • Kvs:250	4010344
VVF53.150-400	• DN150 • Stroke:40 mm • Kvs:400	4010345

Description: 2 Way Flanged Valves, PN25



BUILDING AUTOMATION DEVICES

ACVATIX VALVES

SIEMENS

LINEAR VALVES



Model	Description	Poz Nr.
VVF53.50-40K	<ul style="list-style-type: none"> • DN50 • Stroke:20 mm • Kvs:40 	4010346
VVF53.65-63K	<ul style="list-style-type: none"> • DN65 • Stroke:20 mm • Kvs:63 	4010347
VVF53.80-100K	<ul style="list-style-type: none"> • DN80 • Stroke:20 mm • Kvs:100 	4010348
VVF53.100-150K	<ul style="list-style-type: none"> • DN100 • Stroke:40 mm • Kvs:150 	4010349
VVF53.125-220K	<ul style="list-style-type: none"> • DN125 • Stroke:40 mm • Kvs:220 	4010350
VVF53.150-315K	<ul style="list-style-type: none"> • DN150 • Stroke:40 mm • Kvs:315 	4010351
VVF53.200-450K	<ul style="list-style-type: none"> • DN200 • Stroke:40 mm • Kvs:450 	4010352
VVF53.250-630K	<ul style="list-style-type: none"> • DN250 • Stroke:40 mm • Kvs:630 	4010353

Description: 2 Way Flanged Valves, PN25, Pressure Compensated

LINEAR VALVES



Model	Description	Poz Nr.
VXF53.15-1.6	<ul style="list-style-type: none"> • DN15 • Stroke:20 mm • Kvs:1,6 	4010354
VXF53.15-2.5	<ul style="list-style-type: none"> • DN15 • Stroke:20 mm • Kvs:2,5 	4010355
VXF53.15-4	<ul style="list-style-type: none"> • DN15 • Stroke:20 mm • Kvs:4,0 	4010356
VXF53.20-6.3	<ul style="list-style-type: none"> • DN20 • Stroke:20 mm • Kvs:6,3 	4010357
VXF53.25-6.3	<ul style="list-style-type: none"> • DN25 • Stroke:20 mm • Kvs:6,3 	4010358
VXF53.25-10	<ul style="list-style-type: none"> • DN25 • Stroke:20 mm • Kvs:10 	4010359
VXF53.32-16	<ul style="list-style-type: none"> • DN32 • Stroke:20 mm • Kvs:16 	4010360
VXF53.40-16	<ul style="list-style-type: none"> • DN40 • Stroke:20 mm • Kvs:16 	4010361
VXF53.40-25	<ul style="list-style-type: none"> • DN40 • Stroke:20 mm • Kvs:25 	4010362
VXF53.50-40	<ul style="list-style-type: none"> • DN50 • Stroke:20 mm • Kvs:40 	4010363
VXF53.65-63	<ul style="list-style-type: none"> • DN65 • Stroke:20 mm • Kvs:63 	4010364
VXF53.80-100	<ul style="list-style-type: none"> • DN80 • Stroke:20 mm • Kvs:100 	4010365
VXF53.100-160	<ul style="list-style-type: none"> • DN100 • Stroke:40 mm • Kvs:160 	4010366
VXF53.125-250	<ul style="list-style-type: none"> • DN125 • Stroke:40 mm • Kvs:250 	4010367
VXF53.150-400	<ul style="list-style-type: none"> • DN150 • Stroke:40 mm • Kvs:400 	4010368

Description: 3 Way Flanged Valves, PN25

**ACVATIX VALVES****SIEMENS****LINEAR VALVES**

Model	Description	Poz Nr.
VVF63.15-0.2	• DN15 • Stroke:20 mm • Kvs: 0,20	4010369
VVF63.15-0.32	• DN15 • Stroke:20 mm • Kvs: 0,32	4010370
VVF63.15-0.5	• DN15 • Stroke:20 mm • Kvs: 0,50	4010371
VVF63.15-0.8	• DN15 • Stroke:20 mm • Kvs: 0,80	4010372
VVF63.15-1.25	• DN15 • Stroke:20 mm • Kvs: 1,25	4010373
VVF63.15-2	• DN15 • Stroke:20 mm • Kvs: 2,00	4010374
VVF63.15-3.2	• DN15 • Stroke:20 mm • Kvs: 3,20	4010375
VVF63.25-5	• DN25 • Stroke:20 mm • Kvs: 5,0	4010377
VVF63.25-8	• DN25 • Stroke:20 mm • Kvs: 8,0	4010378
VVF63.40-12.5	• DN40 • Stroke:20 mm • Kvs: 12,50	4010379
VVF63.40-20	• DN40 • Stroke:20 mm • Kvs: 20	4010380
VVF63.50-31.5	• DN50 • Stroke:20 mm • Kvs: 31.50	4010382
VVF61.65	• DN65 • Stroke:40 mm • Kvs: 50	4010383
VVF63.80-80	• DN80 • Stroke:40 mm • Kvs: 80	4010384
VVF63.100-125	• DN100 • Stroke:40 mm • Kvs: 125	4010385
VVF63.125-200	• DN125 • Stroke:40 mm • Kvs: 200	4010386

**LINEAR VALVES**

Model	Description	Poz Nr.
VVF63.150-280	• DN150 • Stroke:40 mm • Kvs: 280	4010387
Description: 2 Way Flanged Valves, PN40		

LINEAR VALVES

Model	Description	Poz Nr.
VXF63.15-1.6	• DN15 • Stroke:20 mm • Kvs: 1.60	4010388
VXF63.15-2.5	• DN15 • Stroke:20 mm • Kvs: 2.50	4010389
VXF63.25-6.3	• DN 25 • Stroke:20 mm • Kvs: 6.3	4010391
VXF63.40-16	• DN40 • Stroke:20 mm • Kvs: 16	4010393
VXF63.50-31.5	• DN50 • Stroke:20 mm • Kvs: 31.50	4010395
VXF61.65	• DN65 • Stroke:40 mm • Kvs: 50	4010396
VXF63.80-80	• DN80 • Stroke:40 mm • Kvs: 80	4010397
VXF63.100-125	• DN100 • Stroke:40 mm • Kvs: 125	4010398
VXF63.125-200	• DN125 • Stroke:40 mm • Kvs: 200	4010399
VXF63.150-315	• DN150 • Stroke:40 mm • Kvs: 315	4010400
Description: 3 Way Flanged Valves, PN40		



BUILDING AUTOMATION DEVICES

ACVATIX VALVES

SIEMENS

SLIPPER VALVES



Model	Description	Poz Nr.
VBF21.40	<ul style="list-style-type: none"> • DN40 • Kvs:25 	4010401
VBF21.50	<ul style="list-style-type: none"> • DN50 • Kvs:40 	4010402
VBF21.65	<ul style="list-style-type: none"> • DN65 • Kvs:63 	4010403
VBF21.80	<ul style="list-style-type: none"> • DN80 • Kvs:100 	4010404
VBF21.100	<ul style="list-style-type: none"> • DN100 • Kvs:160 	4010405
VBF21.125	<ul style="list-style-type: none"> • DN125 • Kvs:550 	4010406
VBF21.150	<ul style="list-style-type: none"> • DN150 • Kvs:820 	4010407
ASK31N	Mounting Set for SAL.. onto VBF21.65...150	4010408

Description: 3 Way Slipper Valves, Flanged, PN6

SLIPPER VALVES



Model	Description	Poz Nr.
VBI31.20	<ul style="list-style-type: none"> • DN20 • Kvs:6,3 	4010409
VBI31.25	<ul style="list-style-type: none"> • DN25 • Kvs:10 	4010410

Description: 3 Way Slipper Valves, Internal Threaded, PN10



ACVATIX VALVES

SIEMENS

BUTTERFLY VALVES PN6/PN10/PN16



Model	Description	Poz Nr.
VKF41.40	• DN40 • Kvs:50	4010422
VKF41.50	• DN50 • Kvs:80	4010423
VKF41.65	• DN65 • Kvs:200	4010424
VKF41.80	• DN80 • Kvs:400	4010425
VKF41.100	• DN100 • Kvs:760	4010426
VKF41.125	• DN125 • Kvs:1000	4010427
VKF41.150	• DN150 • Kvs:2100	4010428
VKF41.200	• DN200 • Kvs:4000	4010429
ASK33N	• Mounting Set for SAL... onto VKF41..	4010430



BUTTERFLY VALVES PN6/PN10/PN16



Model	Description	Poz Nr.
VKF46.40	• DN40 • Kvs:50	4010431
VKF46.50	• DN50 • Kvs:80	4010432
VKF46.65	• DN65 • Kvs:200	4010433
VKF46.80	• DN80 • Kvs:400	4010434
VKF46.100	• DN100 • Kvs:760	4010435
VKF46.125	• DN125 • Kvs:1000	4010436
VKF46.150	• DN150 • Kvs:2100	4010437
VKF46.200	• DN200 • Kvs:4000	4010438
VKF46.250	• DN250 • Kvs:6400	4010439
VKF46.300	• DN300 • Kvs:8500	4010440
VKF46.350	• DN350 • Kvs:11500	4010441
VKF46.400	• DN400 • Kvs:14500	4010442
VKF46.450	• DN450 • Kvs:20500	4010443
VKF46.500	• DN500 • Kvs:21000	4010444
VKF46.600	• DN600 • Kvs:29300	4010445



BUILDING AUTOMATION DEVICES

ACVATIX VALVES

SIEMENS

BALL VALVES



Model	Description	Poz Nr.
VAI61.15-1	• DN15 • Kvs:1	4010446
VAI61.15-1.6	• DN15 • Kvs:1,6	4010447
VAI61.15-2.5	• DN15 • Kvs:2,5	4010448
VAI61.15-4	• DN15 • Kvs:4	4010449
VAI61.15-6.3	• DN15 • Kvs:6,3	4010450
VAI61.15-10	• DN15 • Kvs:10	4010451
VAI61.20-4	• DN20 • Kvs:4	4010452
VAI61.20-6.3	• DN20 • Kvs:6,3	4010453
VAI61.20-10	• DN20 • Kvs:10	4010454
VAI61.25-6.3	• DN25 • Kvs:6,3	4010455
VAI61.25-10	• DN25 • Kvs:10	4010456
VAI61.25-16	• DN25 • Kvs:16	4010457
VAI61.32-10	• DN32 • Kvs:10	4010458
VAI61.32-16	• DN32 • Kvs:16	4010459
VAI61.32-25	• DN32 • Kvs:25	4010460
VAI61.40-16	• DN40 • Kvs:16	4010461
VAI61.40-25	• DN40 • Kvs:25	4010462
VAI61.40-40	• DN40 • Kvs:40	4010463
VAI61.50-25	• DN50 • Kvs:25	4010464
VAI61.50-40	• DN50 • Kvs:40	4010465
VAI61.50-63	• DN50 • Kvs:63	4010466

Description: 2 Way Ball Valves, Internal Threaded, PN40

BALL VALVES



Model	Description	Poz Nr.
VBI61.15-1.6	• DN15 • Kvs:1,6	4010467
VBI61.15-2.5	• DN15 • Kvs:2,5	4010468
VBI61.15-4	• DN15 • Kvs:4	4010469
VBI61.15-6.3	• DN15 • Kvs:6,3	4010470
VBI61.20-4	• DN20 • Kvs:4	4010471
VBI61.20-6.3	• DN20 • Kvs:6,3	4010472
VBI61.25-10	• DN25 • Kvs:10	4010473
VBI61.32-16	• DN32 • Kvs:16	4010474
VBI61.40-25	• DN40 • Kvs:25	4010475
VBI61.50-40	• DN50 • Kvs:40	4010476
VBI61.50-63	• DN50 • Kvs:63	4010477

Description: 2 Way Ball Valves, Internal Threaded, PN40

BALL VALVES



Ürün Kodu	Açıklama	Ref. Kodu
VAI60.15-15	• DN15 • Kvs:15	4010478
VAI60.20-22	• DN20 • Kvs:22	4010479
VAI60.25-22	• DN25 • Kvs:22	4010480
VAI60.32-35	• DN32 • Kvs:35	4010481
VAI60.40-68	• DN40 • Kvs:68	4010482
VAI60.50-96	• DN50 • Kvs:96	4010483

Description: 2 Way Ball Valves, Internal Threaded, PN40



ACVATIX VALVES

SIEMENS

BALL VALVES



Model	Description	Poz Nr.
VBI60.15-5L	• DN15 • Kvs:5	4010484
VBI60.20-9L	• DN20 • Kvs:9	4010485
VBI60.25-9L	• DN25 • Kvs:9	4010486
VBI60.32-13L	• DN32 • Kvs:13	4010487
VBI60.40-25L	• DN40 • Kvs:25	4010488
VBI60.50-37L	• DN50 • Kvs:37	4010489

Description: 3 Way Ball Valves, Internal Threaded, PN40

BALL VALVES



Model	Description	Poz Nr.
VBI60.15-12T	• DN15 • Kvs:12	4010490
VBI60.20-16T	• DN20 • Kvs:16	4010491
VBI60.25-16T	• DN25 • Kvs:16	4010492
VBI60.32-25T	• DN32 • Kvs:25	4010493
VBI60.40-49T	• DN40 • Kvs:49	4010494
VBI60.50-73T	• DN50 • Kvs:73	4010495

Description: 3 Way Ball Valves, Internal Threaded, PN40

BALL VALVES



Model	Description	Poz Nr.
VAG61.15-1	• DN15 • Kvs:1	4010496
VAG61.15-1.6	• DN15 • Kvs:1,6	4010497
VAG61.15-2.5	• DN15 • Kvs:2,5	4010498
VAG61.15-4	• DN15 • Kvs:4	4010499
VAG61.15-6.3	• DN15 • Kvs:6,3	4010500
VAG61.20-4	• DN20 • Kvs:4	4010501
VAG61.20-6.3	• DN20 • Kvs:6,3	4010502
VAG61.20-10	• DN20 • Kvs:10	4010503
VAG61.25-6.3	• DN25 • Kvs:6,3	4010504
VAG61.25-10	• DN25 • Kvs:10	4010505
VAG61.25-16	• DN25 • Kvs:16	4010506
VAG61.32-10	• DN32 • Kvs:10	4010507
VAG61.32-16	• DN32 • Kvs:16	4010508
VAG61.32-25	• DN32 • Kvs:25	4010509
VAG61.40-16	• DN40 • Kvs:16	4010510
VAG61.40-25	• DN40 • Kvs:25	4010511
VAG61.40-40	• DN40 • Kvs:40	4010512
VAG61.50-25	• DN50 • Kvs:25	4010513
VAG61.50-40	• DN50 • Kvs:40	4010514
VAG61.50-63	• DN50 • Kvs:63	4010515

Description: 2 Way Ball Valves, External Threaded, PN40



BUILDING AUTOMATION DEVICES

ACVATIX VALVES

SIEMENS

BALL VALVES



Model	Description	Poz Nr.
VBG61.15-1.6	• DN15 • Kvs:1,6	4010516
VBG61.15-2.5	• DN15 • Kvs:2,5	4010517
VBG61.15-4	• DN15 • Kvs:4	4010518
VBG61.15-6.3	• DN15 • Kvs:6,3	4010519
VBG61.20-4	• DN20 • Kvs:4	4010520
VBG61.20-6.3	• DN20 • Kvs:6,3	4010521
VBG61.25-10	• DN25 • Kvs:10	4010522
VBG61.32-16	• DN32 • Kvs:16	4010523
VBG61.40-25	• DN40 • Kvs:25	4010524
VBG61.50-40	• DN50 • Kvs:40	4010525

Description: 3 Way Ball Valves, External Threaded, PN40

BALL VALVES



Model	Description	Poz Nr.
VBG60.15-8T	• DN15 • Kvs:8	4010532
VBG60.20-13T	• DN20 • Kvs:13	4010533
VBG60.25-13T	• DN25 • Kvs:13	4010534
VBG60.32-25T	• DN32 • Kvs:25	4010535
VBG60.40-49T	• DN40 • Kvs:49	4010536
VBG60.50-73T	• DN50 • Kvs:73	4010537

Description: 3 Way Ball Valves, External Threaded, PN40

BALL VALVES



Model	Description	Poz Nr.
VAG60.15-9	• DN15 • Kvs:9	4010526
VAG60.20-17	• DN20 • Kvs:17	4010527
VAG60.25-22	• DN25 • Kvs:22	4010528
VAG60.32-35	• DN32 • Kvs:35	4010529
VAG60.40-68	• DN40 • Kvs:68	4010530
VAG60.50-96	• DN50 • Kvs:96	4010531

Description: 3 Way Ball Valves, External Threaded, PN40



ACVATIX VALVES

SIEMENS

BALL VALVES



Model	Description	Poz Nr.
VWG41.20-0.25-0.4	• DN20 • Kvs Right:0,4 • Kvs Left:0,25	4010538
VWG41.20-0.25-0.65	• DN20 • Kvs Right:0,65 • Kvs Left:0,25	4010539
VWG41.20-0.25-1.0	• DN20 • Kvs Right:1,0 • Kvs Left:0,25	4010540
VWG41.20-0.4-1.0	• DN20 • Kvs Right:1,0 • Kvs Left:0,4	4010541
VWG41.20-0.4-1.3	• DN25 • Kvs Right:1,3 • Kvs Left:0,4	4010542
VWG41.10-0.4-1.6	• DN20 • Kvs Right:1,6 • Kvs Left:0,4	4010543
VWG41.10-0.65-1.0	• DN20 • Kvs Right:1,0 • Kvs Left:0,6	4010544
VWG41.20-0.65-1.6	• DN20 • Kvs Right:1,6 • Kvs Left:0,65	4010545
VWG41.20-0.65-2.5	• DN20 • Kvs Right:2,5 • Kvs Left:0,65	4010546
VWG41.10-1.0-1.6	• DN20 • Kvs Right:1,6 • Kvs Left:1,0	4010547
VWG41.20-1.0-2.5	• DN20 • Kvs Right:2,5 • Kvs Left:1,0	4010548
VWG41.20-1.6-2.5	• DN20 • Kvs Right:2,5 • Kvs Left:1,6	4010549
VWG41.20-1.6-3.45	• DN20 • Kvs Right:3,45 • Kvs Left:1,6	4010550
VWG41.20-2.5-3.45	• DN20 • Kvs Right:3,45 • Kvs Left:2,5	4010551
VWG41.20-2.5-4.25	• DN20 • Kvs Right:4,25 • Kvs Left:2,5	4010552
VWG41.20-4.25-4.25	• DN20 • Kvs Right:4,25 • Kvs Left:4,25	4010553

Description: 6 Way Control Ball Valves, Internal/External Threaded, PN16

BALL VALVES



Model	Description	Poz Nr.
ALI15VAI60/61	• Insulation Cover for VAI60.15../VAI61.15.	4010554
ALI20VAI60/61	• Insulation Cover for VAI60.20../VAI61.20..	4010555
ALI25VAI60/61	• Insulation Cover for VAI60.25../VAI61.25..	4010556
ALI32VAI60/61	• Insulation Cover for VAI60.32../VAI61.32..	4010557
ALI40VAI60/61	• Insulation Cover for VAI60.40../VAI61.40..	4010558
ALI50VAI60/61	• Insulation Cover for VAI60.50../VAI61.25..	4010559
ALI15VBI60/61	• Insulation Cover for VBI60../VBI61..	4010560
ALI20VBI60	• Insulation Cover for VBI60.20..	4010561
ALI25VBI60/61	• Insulation Cover for VBI60.25../VBI61.25	4010562
ALI32VBI60/61	• Insulation Cover for VBI60.32../VBI61.32	4010563
ALI40VBI60/61	• Insulation Cover for VBI60.40../VBI61.40	4010564
ALI50VBI60/61	• Insulation Cover for VBI60.50../VBI61.50	4010565
ALI15VAG60/61	• Insulation Cover for VAG60.15../VAG61.15	4010566
ALI20VAG60/61	• Insulation Cover for VAG60../VAG61.20	4010567
ALI25VAG60/61	• Insulation Cover for VAG60.25../VAG61.25	4010568
ALI32VAG60/61	• Insulation Cover for VAG60.32../VAG61.32	4010569
ALI40VAG60/61	• Insulation Cover for VAG60.40../VAG61.40	4010570
ALI50VAG60/61	• Insulation Cover for VAG60.50../VAG61.50	4010571
ALI15VVG60/61	• Insulation Cover for VVG60.15../VVG61.15	4010572
ALI20VVG60/61	• Insulation Cover for VVG60.20../VVG61.20	4010573
ALI25VVG60/61	• Insulation Cover for VVG60.25../VVG61.25	4010574
ALI32VVG60/61	• Insulation Cover for VVG60.32../VVG61.32	4010575
ALI40VVG60/61	• Insulation Cover for VVG60.40../VVG61.40	4010576
ALI50VVG60/61	• Insulation Cover for VVG60.50../VVG61.50	4010577
ALI20VWG41	• Insulation Cover for VWG41.20	4010578
ALX15	• Filter for DN15 Connection Valves	4010579
ALX20	• Filter for DN20 Connection Valves	4010580
ALX25	• Filter for DN25 Connection Valves	4010581
ALX32	• Filter for DN32 Connection Valves	4010582
ALX40	• Filter for DN40 Connection Valves	4010583
ALX50	• Filter for DN50 Connection Valves	4010584

Description: Accessories



BUILDING AUTOMATION DEVICES

ACVATIX VALVES

SIEMENS

THERMOSTATIC RADIATOR VALVES



Model	Description	Poz Nr.
VEN110	<ul style="list-style-type: none"> • DN10 • Angle Radiator Valve 	4010585
VEN115	<ul style="list-style-type: none"> • DN15 • Angle Radiator Valve 	4010586
VEN120	<ul style="list-style-type: none"> • DN20 • Angle Radiator Valve 	4010587
VDN110	<ul style="list-style-type: none"> • DN10 • 2 Way Radiator Valve 	4010588
VDN115	<ul style="list-style-type: none"> • DN15 • 2 Way Radiator Valve 	4010589
VDN120	<ul style="list-style-type: none"> • DN20 • 2 Way Radiator Valve 	4010590
RTN51	<ul style="list-style-type: none"> • Thermostatic Actuator • RAL9016 • Matt 	4010591
RTN51G	<ul style="list-style-type: none"> • Thermostatic Actuator • RAL9016 • Glossy 	4010592
RTN71	<ul style="list-style-type: none"> • Thermostatic Actuator • With Remote Sensor 	4010593
RTN81	<ul style="list-style-type: none"> • Thermostatic Actuator • With Remote Adjuster 	4010594

THERMOSTATIC RADIATOR VALVES



Model	Description	Poz Nr.
VEN210	<ul style="list-style-type: none"> • DN10 • Angle Radiator Valve • NF 	4010595
VEN215	<ul style="list-style-type: none"> • DN15 • Angle Radiator Valve • NF 	4010596
VEN220	<ul style="list-style-type: none"> • DN20 • Angle Radiator Valve • NF 	4010597
VDN210	<ul style="list-style-type: none"> • DN10 • 2 Way Radiator Valve • NF 	4010598
VDN215	<ul style="list-style-type: none"> • DN15 • Angle Radiator Valve • NF 	4010599
VDN220	<ul style="list-style-type: none"> • DN20 • 2 Way Radiator Valve • NF 	4010600
VD115CLC	<ul style="list-style-type: none"> • DN15 • 2 Way Radiator Valve 	4010601
VD120CLC	<ul style="list-style-type: none"> • DN20 • 2 Way Radiator Valve 	4010602
VD125CLC	<ul style="list-style-type: none"> • DN25 • 2 Way Radiator Valve 	4010603
VUN210	<ul style="list-style-type: none"> • DN10 • Reverse Angle Radiator • NF 	4010604
VUN215	<ul style="list-style-type: none"> • DN15 • Reverse Angle Radiator • NF 	4010605



ACVATIX VALVES

SIEMENS

COMBI VALVES



Model	Description	Poz Nr.
VPP46.10L0.2	<ul style="list-style-type: none"> • DN10 • Stroke:2.5 mm • V_{min}=30 (l/h) • V100=200 (l/h) 	4010606
VPP46.15L0.2	<ul style="list-style-type: none"> • DN15 • Stroke:2.5 mm • V_{min}=30 (l/h) • V100=200 (l/h) 	4010607
VPP46.15L0.6	<ul style="list-style-type: none"> • DN15 • Stroke:2.5 mm • V_{min}=100 (l/h) • V100=575 (l/h) 	4010608
VPP46.20F1.4	<ul style="list-style-type: none"> • DN20 • Stroke:4.5 mm • V_{min}=200 (l/h) • V100=1.190 (l/h) 	4010609
VPP46.25F1.8	<ul style="list-style-type: none"> • DN25 • Stroke:4.5 mm • V_{min}=238 (l/h) • V100=1.530 (l/h) 	4010610
VPP46.32F4	<ul style="list-style-type: none"> • DN32 • Stroke:4.5 mm • V_{min}=468 (l/h) • V100=3.400 (l/h) 	4010611

Description: 2 Way, External Threaded Combi Valves (PN25)

COMBI VALVES



Model	Description	Poz Nr.
VPP46.10L0.2Q	<ul style="list-style-type: none"> • DN10 • Stroke:2.5 mm • V_{min}=30 (l/h) • V100=200 (l/h) 	4010612
VPP46.15L0.2Q	<ul style="list-style-type: none"> • DN15 • Stroke:2.5 mm • V_{min}=30 (l/h) • V100=200 (l/h) 	4010613
VPP46.15L0.6Q	<ul style="list-style-type: none"> • DN15 • Stroke:2.5 mm • V_{min}=100 (l/h) • V100=575 (l/h) 	4010614
VPP46.20F1.4Q	<ul style="list-style-type: none"> • DN20 • Stroke: 4.5 mm • V_{min}=200 (l/h) • V100=1190 (l/h) 	4010615
VPP46.25F1.8Q	<ul style="list-style-type: none"> • DN25 • Stroke:4.5 mm • V_{min}=238 (l/h) • V100=1330 (l/h) 	4010616
VPP46.32F4Q	<ul style="list-style-type: none"> • DN32 • Stroke:4.5 mm • V_{min}=468 (l/h) • V100=3400 (l/h) 	4010617

Description: 2 Way, External Threaded Combi Valves, Pressure Test Points (PN25)

COMBI VALVES



Model	Description	Poz Nr.
VPI46.15L0.2	<ul style="list-style-type: none"> • DN15 • Stroke: 2.5 mm • V_{min}=30 (l/h) • V100=200 (l/h) • Stroke: 2.5 mm • V_{min}=100 (l/h) • V100=575 (l/h) 	4010618
VPI46.20F1.4	<ul style="list-style-type: none"> • DN20 • Stroke: 4.5 mm • V_{min}=200 (l/h) • V100=1190 (l/h) 	4010620
VPI46.25F1.8	<ul style="list-style-type: none"> • DN25 • Stroke: 4.5 mm • V_{min}=238 (l/h) • V100=1330 (l/h) 	4010621
VPI46.32F4	<ul style="list-style-type: none"> • DN32 • Stroke: 4.5 mm • V_{min}=468 (l/h) • V100=3.400 (l/h) 	4010622

Description: 2 Way, Internal Threaded Combi Valves (PN25)



BUILDING AUTOMATION DEVICES

ACVATIX VALVES

SIEMENS

COMBI VALVES



Model	Description	Poz Nr.
VPI46.15L0.2Q	<ul style="list-style-type: none"> • DN15 • Stroke:2.5 mm • V_{min}=30 (l/h) • V100=200 (l/h) 	4010623
VPI46.15L0.6Q	<ul style="list-style-type: none"> • DN15 • Stroke:2.5 mm • V_{min}=100 (l/h) • V100=575 (l/h) 	4010624
VPI46.20F1.4Q	<ul style="list-style-type: none"> • DN20 • Stroke:2.5 mm • V_{min}=200 (l/h) • V100=1330 (l/h) 	4010625
VPI46.25F1.8Q	<ul style="list-style-type: none"> • DN25 • Stroke:4.5 mm • V_{min}=238 (l/h) • V100=1,530 (l/h) 	4010626
VPI46.32F4Q	<ul style="list-style-type: none"> • DN32 • Stroke:4.5 mm • V_{min}=468 (l/h) • V100=3,400 (l/h) 	4010627
VPI46.40F9.5Q	<ul style="list-style-type: none"> • DN40 • Stroke:15 mm • V_{min}=1,370 (l/h) • V100=9,500 (l/h) 	4010628
VPI46.50F12Q	<ul style="list-style-type: none"> • DN50 • Stroke:15 mm • V_{min}=1,400 (l/h) • V100=11,500 (l/h) 	4010629

Description 2 Way, Internal Threaded Combi Valves, Pressure Test Points (PN25)

COMBI VALVES



Model	Description	Poz Nr.
VPD110A-45	<ul style="list-style-type: none"> • DN10 • Stroke:2.5 mm • V_{min}=25 (l/h) • V100=104 (l/h) 	4010630
VPD110A-90	<ul style="list-style-type: none"> • DN10 • Stroke:2.5 mm • V_{min}=57 (l/h) • V100=185 (l/h) 	4010631
VPD110A-145	<ul style="list-style-type: none"> • DN10 • Stroke:2.5 mm • V_{min}=86 (l/h) • V100=318 (l/h) 	4010632
VPD115A-45	<ul style="list-style-type: none"> • DN15 • Stroke: 2.5 mm • V_{min}=25 (l/h) • V100=104 (l/h) 	4010633
VPD115A-90	<ul style="list-style-type: none"> • DN15 • Stroke:2.5 mm • V_{min}=57 (l/h) • V100=185 (l/h) 	4010634
VPD115A-145	<ul style="list-style-type: none"> • DN15 • Stroke:2.5 mm • V_{min}=86 (l/h) • V100=318 (l/h) 	4010635
VPD110B-200	<ul style="list-style-type: none"> • DN10 • Stroke:2.5 mm • V_{min}=95 (l/h) • V100=483 (l/h) 	4010636
VPD115B-200	<ul style="list-style-type: none"> • DN15 • Stroke:2.5 mm • V_{min}=95 (l/h) • V100=483 (l/h) 	4010637

Description: 2 Way, Pressure Compensated Radiator Valves (PN25)

**ACVATIX VALVES****SIEMENS****COMBI VALVES**

Model	Description	Poz Nr.
VPE110A-45	<ul style="list-style-type: none"> • DN10 • Stroke:2.5 mm • V_{min}=25 (l/h) • V100=104 (l/h) 	4010638
VPE110A-90	<ul style="list-style-type: none"> • DN10 • Stroke:2.5 mm • V_{min}=57 (l/h) • V100=185 (l/h) 	4010639
VPE110A-145	<ul style="list-style-type: none"> • DN10 • Stroke: 2.5 mm • V_{min}= 86 (l/h) • V100=318 (l/h) 	4010640
VPE115A-45	<ul style="list-style-type: none"> • DN15 • Stroke:2.5 mm • V_{min}=25 (l/h) • V100=104 (l/h) 	4010641
VPE115A-90	<ul style="list-style-type: none"> • DN15 • Stroke:2.5 mm • V_{min}=57 (l/h) • V100=185 (l/h) 	4010642
VPE115A-145	<ul style="list-style-type: none"> • DN15 • Stroke:2.5 mm • V_{min}=86 (l/h) • V100=318 (l/h) 	4010643
VPE110B-200	<ul style="list-style-type: none"> • DN10 • Stroke:2.5 mm • V_{min}= 95 (l/h) • V100=483 (l/h) 	4010644
VPE115B-200	<ul style="list-style-type: none"> • DN15 • Stroke:2.5 mm • V_{min}=95 (l/h) • V100=483 (l/h) 	4010645

Description: 2 Way, Pressure Compansated Angle Radiator Valves (PN25)

COMBI VALVES

Model	Description	Poz Nr.
VPF44.50F15	<ul style="list-style-type: none"> • DN50 • Stroke:20 mm • V_{min}=2,9 m³/h • V100=15,9 m³/h 	4010646
VPF44.50F25	<ul style="list-style-type: none"> • DN50 • Stroke:20 mm • V_{min}= 4,2 m³/h • V100=26,2 m³/h 	4010647
VPF44.65F25	<ul style="list-style-type: none"> • DN65 • Stroke:20 mm • V_{min}= 4 m³/h • V100=28 m³/h 	4010648
VPF44.65F35	<ul style="list-style-type: none"> • DN65 • Stroke:20 mm • V_{min}= 5,1 m³/h • V100=35,8 m³/h 	4010649
VPF44.80F35	<ul style="list-style-type: none"> • DN80 • Stroke:20 mm • V_{min}= 5,5 m³/h • V100=36,7 m³/h 	4010650
VPF44.80F45	<ul style="list-style-type: none"> • DN80 • Stroke:20 mm • V_{min}=7,2 m³/h • V100= 47,9 m³/h 	4010651
VPF43.100F70	<ul style="list-style-type: none"> • DN100 • Stroke:20 mm • V_{min}= 12,1 m³/h • V100= 68 m³/h 	4010652
VPF43.100F90	<ul style="list-style-type: none"> • DN100 • Stroke:20 mm • V_{min}=14,8 m³/h • V100=90 m³/h 	4010653
VPF43.125F110	<ul style="list-style-type: none"> • DN125 • Stroke:20 mm • V_{min}=18,5 m³/h • V100=110 m³/h 	4010654
VPF43.125F135	<ul style="list-style-type: none"> • DN125 • Stroke:20 mm • V_{min}=23 m³/h • V100=135 m³/h 	4010655
VPF43.150F160	<ul style="list-style-type: none"> • DN150 • Stroke:20 mm • V_{min}=25,6 m³/h • V100=148 m³/h 	4010656
VPF43.150F200	<ul style="list-style-type: none"> • DN150 • Stroke:20 mm • V_{min}=32 m³/h • V100=195 m³/h 	4010657

Description: 2 Way, Flanged Combi Valves (PN16)



BUILDING AUTOMATION DEVICES

ACVATIX VALVES

SIEMENS

COMBI VALVES



Model	Description	Poz Nr.
VPF53.50F16	<ul style="list-style-type: none"> • DN50 • Stroke:20 mm • $V_{min}=2,3 \text{ m}^3/\text{h}$ • $V100=15 \text{ m}^3/\text{h}$ 	4010658
VPF53.50F25	<ul style="list-style-type: none"> • DN50 • Stroke:20 mm • $V_{min}=4,3 \text{ m}^3/\text{h}$ • $V100=25 \text{ m}^3/\text{h}$ 	4010659
VPF53.65F24	<ul style="list-style-type: none"> • DN65 • Stroke:20 mm • $V_{min}=4,4 \text{ m}^3/\text{h}$ • $V100=24 \text{ m}^3/\text{h}$ 	4010660
VPF53.65F35	<ul style="list-style-type: none"> • DN65 • Stroke:20 mm • $V_{min}=6 \text{ m}^3/\text{h}$ • $V100=35 \text{ m}^3/\text{h}$ 	4010661
VPF53.80F35	<ul style="list-style-type: none"> • DN80 • Stroke:20 mm • $V_{min}=5,3 \text{ m}^3/\text{h}$ • $V100=35 \text{ m}^3/\text{h}$ 	4010662
VPF53.80F45	<ul style="list-style-type: none"> • DN80 • Stroke:20 mm • $V_{min}=7 \text{ m}^3/\text{h}$ • $V100=43 \text{ m}^3/\text{h}$ 	4010663
VPF53.100F70	<ul style="list-style-type: none"> • DN100 • Stroke:20 mm • $V_{min}=12,1 \text{ m}^3/\text{h}$ • $V100=68 \text{ m}^3/\text{h}$ 	4010664
VPF53.100F90	<ul style="list-style-type: none"> • DN100 • Stroke:20 mm • $V_{min}=14,8 \text{ (l/h)}$ • $V100=90 \text{ (l/h)}$ 	4010665
VPF53.125F110	<ul style="list-style-type: none"> • DN125 • Stroke:20 mm • $V_{min}=18,5 \text{ m}^3/\text{h}$ • $V100=110 \text{ m}^3/\text{h}$ 	4010666
VPF53.125F135	<ul style="list-style-type: none"> • DN125 • Stroke:20 mm • $V_{min}=23 \text{ m}^3/\text{h}$ • $V100=135 \text{ m}^3/\text{h}$ 	4010667
VPF53.150F160	<ul style="list-style-type: none"> • DN150 • Stroke:20 mm • $V_{min}=25,6 \text{ m}^3/\text{h}$ • $V100=160 \text{ m}^3/\text{h}$ 	4010668
VPF53.150F200	<ul style="list-style-type: none"> • DN150 • Stroke:20 mm • $V_{min}=32 \text{ m}^3/\text{h}$ • $V100=195 \text{ m}^3/\text{h}$ 	4010669

Description: 2 Way, Flanged Combi Valves (PN25)

COMBI VALVES



Model	Description	Poz Nr.
ALE10	<ul style="list-style-type: none"> • Electronic Manometer for Combi Valves 	4010670
ALE11	<ul style="list-style-type: none"> • Measuring Lines and Tips for Combi Valves 	4010671
ALP45	<ul style="list-style-type: none"> • Spare Nipples for VPI45.., Set of 2, for VPI45.. 	4010672
ALP46	<ul style="list-style-type: none"> • Blanking Plug for P/T Ports 	4010673
ALP47	<ul style="list-style-type: none"> • Drain Ball Valve Inclusive O-ring 	4010674
ALP48	<ul style="list-style-type: none"> • Combined P/T Port and Drain Ball Valve With Red Ribbon 	4010675
ALP49	<ul style="list-style-type: none"> • Long P/T Ports (Set of 2 Pieces) 	4010676

Description: Accessories

**ACVATIX VALVES****SIEMENS****MAGNETIC VALVES**

Model	Description	Poz Nr.
MXF461.15-0.6	<ul style="list-style-type: none"> • DN15 • Kvs:0,6 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010679
MXF461.15-1.5	<ul style="list-style-type: none"> • DN15 • Kvs:1,5 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010680
MXF461.15-3.0	<ul style="list-style-type: none"> • DN15 • Kvs:3 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010681
MXF461.20-5.0	<ul style="list-style-type: none"> • DN20 • Kvs:5 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010682
MXF461.25-8.0	<ul style="list-style-type: none"> • DN25 • Kvs:8 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010683
MXF461.32-12	<ul style="list-style-type: none"> • DN32 • Kvs:12 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010684
MXF461.40-20	<ul style="list-style-type: none"> • DN40 • Kvs:20 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010685
MXF461.50-30	<ul style="list-style-type: none"> • DN50 • Kvs:30 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010686
MXF461.65-50	<ul style="list-style-type: none"> • DN65 • Kvs:50 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010687
MXF461.15-0.6P	<ul style="list-style-type: none"> • DN15 • Kvs:0,6 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA, • Suitable for media containing mineral oils 	4010688
MXF461.15-1.5P	<ul style="list-style-type: none"> • DN15 • Kvs:1,5 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA • Suitable for media containing mineral oils 	4010689
MXF461.15-3.0P	<ul style="list-style-type: none"> • DN15 • Kvs:3 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA • Suitable for media containing mineral oils 	4010690
MXF461.20-5.0P	<ul style="list-style-type: none"> • DN20 • Kvs:5 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA • Suitable for media containing mineral oils 	4010691

**MAGNETIC VALVES**

Model	Description	Poz Nr.
MXF461.25-8.0P	<ul style="list-style-type: none"> • DN25 • Kvs:8 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA • Suitable for media containing mineral oils 	4010692
MXF461.32-12P	<ul style="list-style-type: none"> • DN32 • Kvs:12 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA • Suitable for media containing mineral oils 	4010693
MXF461.40-20P	<ul style="list-style-type: none"> • DN40 • Kvs:20 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA • Suitable for media containing mineral oils 	4010694
MXF461.50-30P	<ul style="list-style-type: none"> • DN50 • Kvs:30 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA • Suitable for media containing mineral oils 	4010695
MXF461.65-50P	<ul style="list-style-type: none"> • DN65 • Kvs:50 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA • Suitable for media containing mineral oils 	4010696
MXF461.65-50U	<ul style="list-style-type: none"> • DN65 • Kvs:50 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010697
M3P80FY	<ul style="list-style-type: none"> • DN80 • Kvs:80 • AC 24 V • DC 0/2...10 V / 4...20 mA 	4010698
M3P80FYP	<ul style="list-style-type: none"> • DN80 • Kvs:80 • AC 24 V • DC 0/2...10 V / 4...20 mA • Suitable for media containing mineral oils 	4010699
M3P100FY	<ul style="list-style-type: none"> • DN100 • Kvs:160 • AC 24 V • DC 0/2...10 V / 4...20 mA 	4010700
M3P100FYP	<ul style="list-style-type: none"> • DN100 • Kvs:160 • AC 24 V • DC 0/2...10 V / 4...20 mA • Suitable for media containing mineral oils 	4010701

Description: 3 Way, Flanged Magnetic Valves (PN16)



BİNA OTOMASYON ÜRÜNLERİ

ACVATIX VALVES

SIEMENS

MAGNETIC VALVES



Model	Description	Poz Nr.
MVF461H15-0.6	<ul style="list-style-type: none"> • DN15 • Kvs:0,6 • AC/DC 24V • DC 0/2...10 V / 4...20 mA 	4010702
MVF461H15-1.5	<ul style="list-style-type: none"> • DN15 • Kvs:1,5 • AC/DC 24V • DC 0/2...10 V / 4...20 mA 	4010703
MVF461H15-3	<ul style="list-style-type: none"> • DN15 • Kvs:3 • AC/DC 24V • DC 0/2...10 V / 4...20 mA 	4010704
MVF461H20-5	<ul style="list-style-type: none"> • DN20 • Kvs:5 • AC/DC 24V • DC 0/2...10 V / 4...20 mA 	4010705
MVF461H25-8	<ul style="list-style-type: none"> • DN25 • Kvs:8 • AC/DC 24V • DC 0/2...10 V / 4...20 mA 	4010706
MVF461H32-12	<ul style="list-style-type: none"> • DN32 • Kvs:12 • AC/DC 24V • DC 0/2...10 V / 4...20 mA 	4010707
MVF461H40-20	<ul style="list-style-type: none"> • DN40 • Kvs:20 • AC/DC 24V • DC 0/2...10 V / 4...20 mA 	4010708
MVF461H50-30	<ul style="list-style-type: none"> • DN50 • Kvs:30 • AC/DC 24V • DC 0/2...10 V / 4...20 mA 	4010709

Description: 3 Way, Flanged Magnetic Valves (PN16)

MAGNETIC VALVES



Model	Description	Poz Nr.
MXG461.15-0.6	<ul style="list-style-type: none"> • DN15 • Kvs:0,6 • AC/DC 24V • DC 0/2...10 V / 4...20 mA 	4010710
MXG461.15-1.5	<ul style="list-style-type: none"> • DN15 • Kvs:1,5 • AC/DC 24V • DC 0/2...10 V / 4...20 mA 	4010711
MXG461.15-3.0	<ul style="list-style-type: none"> • DN15 • Kvs:3 • AC/DC 24V • DC 0/2...10 V / 4...20 mA 	4010712
MXG461.20-5.0	<ul style="list-style-type: none"> • DN20 • Kvs:5 • AC/DC 24V • DC 0/2...10 V / 4...20 mA 	4010713
MXG461.25-8.0	<ul style="list-style-type: none"> • DN25 • Kvs:8 • AC/DC 24V • DC 0/2...10 V / 4...20 mA 	4010714
MXG461.32-12	<ul style="list-style-type: none"> • DN32 • Kvs:12 • AC/DC 24V • DC 0/2...10 V / 4...20 mA 	4010715
MXG461.40-20	<ul style="list-style-type: none"> • DN40 • Kvs:20 • AC/DC 24V • DC 0/2...10 V / 4...20 mA 	4010716
MXG461.50-30	<ul style="list-style-type: none"> • DN50 • Kvs:30 • AC/DC 24V • DC 0/2...10 V / 4...20 mA 	4010717
MXG461.15-0.6P	<ul style="list-style-type: none"> • DN15 • Kvs:0,6 • AC/DC 24V • DC 0/2...10 V / 4...20 mA • Suitable for media containing mineral oils 	4010718
MXG461.15-1.5P	<ul style="list-style-type: none"> • DN15 • Kvs:1,5 • AC/DC 24V • DC 0/2...10 V / 4...20 mA • Suitable for media containing mineral oils 	4010719
MXG461.15-3.0P	<ul style="list-style-type: none"> • DN15 • Kvs:3 • AC/DC 24V • DC 0/2...10 V / 4...20 mA • Suitable for media containing mineral oils 	4010720
MXG461.20-5.0P	<ul style="list-style-type: none"> • DN20 • Kvs:5 • AC/DC 24V • DC 0/2...10 V / 4...20 mA • Suitable for media containing mineral oils 	4010721
MXG461.25-8.0P	<ul style="list-style-type: none"> • DN25 • Kvs:8 • AC/DC 24V • DC 0/2...10 V / 4...20 mA • Suitable for media containing mineral oils 	4010722



**ACVATIX VALVES****SIEMENS****MAGNETIC VALVES**

Model	Description	Poz Nr.
MXG461.32-12P	<ul style="list-style-type: none"> • DN32 • Kvs:12 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA • Suitable for media containing mineral oils 	4010723
MXG461.40-20P	<ul style="list-style-type: none"> • DN40 • Kvs:20 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA • Suitable for media containing mineral oils 	4010724
MXG461.50-30P	<ul style="list-style-type: none"> • DN50 • Kvs:30 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA • Suitable for media containing mineral oils 	4010725
MXG461.15-0.6U	<ul style="list-style-type: none"> • DN15 • Kvs:0,6 • AC/DC 24V • DC 0/2...10 V / 4...20 mA 	4010726
MXG461.15-1.5U	<ul style="list-style-type: none"> • DN15 • Kvs:1,5 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010727
MXG461.15-3.0U	<ul style="list-style-type: none"> • DN15 • Kvs:3 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010728
MXG461.20-5.0U	<ul style="list-style-type: none"> • DN20 • Kvs:5 • AC/DC 24V • DC 0/2...10 V / 4...20 mA 	4010729
MXG461.25-8.0U	<ul style="list-style-type: none"> • DN25 • Kvs:8 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010730
MXG461.32-12U	<ul style="list-style-type: none"> • DN32 • Kvs:12 • AC/DC 24V • DC 0/2...10 V / 4...20 mA 	4010731
MXG461.40-20U	<ul style="list-style-type: none"> • DN40 • Kvs:20 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010732
MXG461.50-30U	<ul style="list-style-type: none"> • DN50 • Kvs:30 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010733
MXG461B15-0.6	<ul style="list-style-type: none"> • DN15 • Kvs:0,6 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010734
MXG461B15-1.5	<ul style="list-style-type: none"> • DN15 • Kvs:1,5 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010735

**MAGNETIC VALVES**

Model	Description	Poz Nr.
MXG461B15-3	<ul style="list-style-type: none"> • DN15 • Kvs:3 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010736
MXG461B20-5	<ul style="list-style-type: none"> • DN20 • Kvs:5 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010737
MXG461B25-8	<ul style="list-style-type: none"> • DN25 • Kvs:8 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010738
MXG461B32-12	<ul style="list-style-type: none"> • DN32 • Kvs:12 • AC/DC 24V • DC 0/2...10 V / 4...20 mA 	4010739
MXG461B40-20	<ul style="list-style-type: none"> • DN40 • Kvs:20 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010740
MXG461B50-30	<ul style="list-style-type: none"> • DN50 • Kvs:30 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010741
MXG461S15-1.5	<ul style="list-style-type: none"> • DN15 • Kvs:1,5 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010742
MXG461S20-5.0	<ul style="list-style-type: none"> • DN20 • Kvs:5 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010743
MXG461S25-8.0	<ul style="list-style-type: none"> • DN25 • Kvs:8 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010744
MXG461S32-12	<ul style="list-style-type: none"> • DN32 • Kvs:12 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010745
MXG462S50-30	<ul style="list-style-type: none"> • DN50 • Kvs:30 • AC/DC 24 V • DC 0/2...10 V / 4...20 mA 	4010746

Description: 3 Way, External Threaded Magnetic Valves (PN16)



BUILDING AUTOMATION DEVICES

ACVATIX VALVES

MAGNETIC VALVES



Model	Description	Poz Nr.
ASE1	• Replacement Electronic for MXG461.., MXF461.. and MXG461S.., DN15...32	4010747
ASE12	• Replacement Electronic for MXG461B.., MVF461H.. and MXG462S..	4010748
ASE2	• Replacement Electronic for MXG461.., MXF461.., DN40...65	4010749

Description: Accessories

MAGNETIC VALVES



Model	Description	Poz Nr.
MKD533.15-0.16	• DN15 • Kvs:0,16 • AC 230 V • 3 Position • Permissible Operating Pressure 25 Bar	4010750
MKD533.15-0.2	• DN15 • Kvs:0,2 • AC 230 V • 3 Position • Permissible Operating Pressure 25 Bar	4010751
MKD533.15-0.25	• DN15 • Kvs:0,25 • AC 230 V • 3 Position • Permissible Operating Pressure 25 Bar	4010752
MKD533.15-0.32	• DN15 • Kvs:0,32 • AC 230 V • 3 Position • Permissible Operating Pressure 25 Bar	4010753
MKD533.15-0.4	• DN15 • Kvs:0,4 • AC 230 V • 3 Position • Permissible Operating Pressure 25 Bar	4010754
MKD533.15-0.5	• DN15 • Kvs:0,5 • AC 230 V • 3 Position • Permissible Operating Pressure 25 Bar	4010755
MKD533.15-0.63	• DN15 • Kvs:0,63 • AC 230 V • 3 Position • Permissible Operating Pressure 25 Bar	4010756

SIEMENS

MAGNETIC VALVES



Model	Description	Poz Nr.
MKD533.15-0.8	• DN15 • Kvs:0,8 • AC 230 V • 3 Position • Permissible Operating Pressure 25 Bar	4010757
MKD533.15-1.0	• DN15 • Kvs:1,0 • AC 230 V • 3 Position • Permissible Operating Pressure 25 Bar	4010758
MKD533.15-1.25	• DN15 • Kvs:1,25 • AC 230 V • 3 Position • Permissible Operating Pressure 25 Bar	4010759
MKD533.15-1.6	• DN15 • Kvs:1,6 • AC 230 V • 3 Position • Permissible Operating Pressure 25 Bar	4010760
MKD533.15-2	• DN15 • Kvs:2,0 • AC 230 V • 3 Position • Permissible Operating Pressure 25 Bar	4010761
MKD533.15-2.5	• DN15 • Kvs:2,5 • AC 230 V • 3 Position • Permissible Operating Pressure 25 Bar	4010762
MKD533.15-3.2	• DN15 • Kvs:3,2 • AC 230 V • 3 Position • Permissible Operating Pressure 25 Bar	4010763
MKD533.15-4	• DN15 • Kvs:4,0 • AC 230 V • 3 Position • Permissible Operating Pressure 25 Bar	4010764
MKD533.20-6.3	• DN20 • Kvs:6,3 • AC 230 V • 3 Position • Permissible Operating Pressure 25 Bar	4010765
MKD533.25-5	• DN25 • Kvs:5,0 • AC 230 V • 3 Position • Permissible Operating Pressure 21 Bar	4010766
MKD533.25-6.3	• DN25 • Kvs:6,3 • AC 230 V • 3 Position • Permissible Operating Pressure 21 Bar	4010767

**ACVATIX VALVES****SIEMENS****MAGNETIC VALVES**

Model	Description	Poz Nr.
MKD533.25-8	<ul style="list-style-type: none"> • DN25 • Kvs:8,0 • AC 230 V • 3 Position • Permissible Operating Pressure 21 Bar 	4010768
MKD533.25-10	<ul style="list-style-type: none"> • DN25 • Kvs:10 • AC 230 V • 3 Position • Permissible Operating Pressure 21 Bar 	4010769
MKD533.32-16	<ul style="list-style-type: none"> • DN32 • Kvs:16 • AC 230 V • 3 Position • Permissible Operating Pressure 12 Bar 	4010770
MKD533.40-12.5	<ul style="list-style-type: none"> • DN40 • Kvs:12,5 • AC 230 V • 3 Position • Permissible Operating Pressure 7,5 Bar 	4010771
MKD533.40-16	<ul style="list-style-type: none"> • DN40 • Kvs:16 • AC 230 V • 3 Position • Permissible Operating Pressure 7,5 Bar 	4010772
MKD533.40-20	<ul style="list-style-type: none"> • DN40 • Kvs:20 • AC 230 V • 3 Position • Permissible Operating Pressure 7,5 Bar 	4010773
MKD533.40-25	<ul style="list-style-type: none"> • DN40 • Kvs:25 • AC 230 V • 3 Position • Permissible Operating Pressure 7,5 Bar 	4010774
MKD563.15-0.16	<ul style="list-style-type: none"> • DN15 • Kvs:0,16 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 25 Bar 	4010775
MKD563.15-0.2	<ul style="list-style-type: none"> • DN15 • Kvs:0,2 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 25 Bar 	4010776
MKD563.15-0.25	<ul style="list-style-type: none"> • DN15 • Kvs:0,25 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 25 Bar 	4010777

**MAGNETIC VALVES**

Model	Description	Poz Nr.
MKD563.15-0.32	<ul style="list-style-type: none"> • DN15 • Kvs:0,32 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 25 Bar 	4010778
MKD563.15-0.4	<ul style="list-style-type: none"> • DN15 • Kvs:0,4 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 25 Bar 	4010779
MKD563.15-0.5	<ul style="list-style-type: none"> • DN15 • Kvs:0,5 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 25 Bar 	4010780
MKD563.15-0.63	<ul style="list-style-type: none"> • DN15 • Kvs:0,63 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 25 Bar 	4010781
MKD563.15-0.8	<ul style="list-style-type: none"> • DN15 • Kvs:0,8 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 25 Bar 	4010782
MKD563.15-1	<ul style="list-style-type: none"> • DN15 • Kvs:1,0 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 25 Bar 	4010783
MKD563.15-1.25	<ul style="list-style-type: none"> • DN15 • Kvs:1,25 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 25 Bar 	4010784
MKD563.15-1.6	<ul style="list-style-type: none"> • DN15 • Kvs:1,6 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 25 Bar 	4010785





ACVATIX VALVES

SIEMENS

MAGNETIC VALVES



Model	Description	Poz Nr.
MKD563.15-2	<ul style="list-style-type: none"> • DN15 • Kvs:2,0 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 25 Bar 	4010786
MKD563.15-2,5	<ul style="list-style-type: none"> • DN15 • Kvs:2,5 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 25 Bar 	4010787
MKD563.15-3,2	<ul style="list-style-type: none"> • DN15 • Kvs:3,2 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 25 Bar 	4010788
MKD563.15-4	<ul style="list-style-type: none"> • DN15 • Kvs:4,0 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 25 Bar 	4010789
MKD563.20-6,3	<ul style="list-style-type: none"> • DN20 • Kvs:6,3 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 25 Bar 	4010790
MKD563.25-5	<ul style="list-style-type: none"> • DN25 • Kvs:5,0 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 21 Bar 	4010791
MKD563.25-6,3	<ul style="list-style-type: none"> • DN25 • Kvs:6,3 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 21 Bar 	4010792
MKD563.25-8	<ul style="list-style-type: none"> • DN25 • Kvs:8,0 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 21 Bar 	4010793

MAGNETIC VALVES



Model	Description	Poz Nr.
MKD563.25-10	<ul style="list-style-type: none"> • DN25 • Kvs:10 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 21 Bar 	4010794
MKD563.32-16	<ul style="list-style-type: none"> • DN32 • Kvs:16 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 12 Bar 	4010795
MKD563.40-12,5	<ul style="list-style-type: none"> • DN40 • Kvs:12,5 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 7,5 Bar 	4010796
MKD563.40-16	<ul style="list-style-type: none"> • DN40 • Kvs:16 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 7,5 Bar 	4010797
MKD563.40-20	<ul style="list-style-type: none"> • DN40 • Kvs:20 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 7,5 Bar 	4010798
MKD563.40-25	<ul style="list-style-type: none"> • DN40 • Kvs:25 • AC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • Permissible Operating Pressure 7,5 Bar 	4010799
Description: 2 Way, Safety Function Flanged Valves (PN25)		



**ACVATIX VALVE ACTUATORS****SIEMENS****LINEAR VALVE ACTUATORS**

Model	Description	Poz Nr.
SAT31.008	<ul style="list-style-type: none"> • AC 230 V • 3 Position • Stroke: 5,5 mm • 8 sec. 	4010800
SAT31.51	<ul style="list-style-type: none"> • AC 230 V • 3 Position • Spring Return Function • Stroke: 5,5 mm • 15 sec. • Without Manual Adjuster 	4010801
SAT61.008	<ul style="list-style-type: none"> • AC/DC 24 V • DC 0...10 V/DC 4...20 mA • Stroke:5,5 mm • 8 sec. 	4010802
SAT61.51	<ul style="list-style-type: none"> • AC/DC 24 V • DC 0...10 V/DC 4...20 mA • Stroke:5,5 mm • 15 sec. • Without Manual Adjuster 	4010803

Description: Linear Valve Actuators, 300 N

LINEAR VALVE ACTUATORS

Model	Description	Poz Nr.
SAS31.00	<ul style="list-style-type: none"> • AC 230 V • 3 Position • Stroke:5,5 mm • 120 sec. 	4010804
SAS31.03	<ul style="list-style-type: none"> • AC 230 V • 3 Position • Stroke: 5,5 mm • 30 sec. 	4010805
SAS31.50	<ul style="list-style-type: none"> • AC 230 V • 3 Position • Spring Return Function • Stroke:5,5 mm • 120 sec. • Without Manual Adjuster 	4010806
SAS31.53	<ul style="list-style-type: none"> • AC 230 V • 3 Position • Spring Return Function • Stroke:5,5 mm • 30 sec. • Without Manual Adjuster 	4010807

**LINEAR VALVE ACTUATORS**

Model	Description	Poz Nr.
SAS61.03	<ul style="list-style-type: none"> • AC/DC 24 V • DC 0...10 V/DC 4...20 mA • Stroke 5,5 mm • 30 sec. 	4010808
SAS61.33	<ul style="list-style-type: none"> • AC/DC 24 V • DC 0...10 V/DC 4...20 mA • Spring Return Function • Stroke:5,5 mm • 30 sec. 	4010809
SAS61.53	<ul style="list-style-type: none"> • AC/DC 24 V • DC 0...10 V/DC 4...20 mA • Spring Return Function • Stroke:5,5 mm • 30 sec. • Without Manual Adjuster 	4010810
SAS81.00	<ul style="list-style-type: none"> • AC/DC 24 V • 3 Position • Stroke:5,5 mm • 120 sn 	4010811
SAS81.03	<ul style="list-style-type: none"> • AC/DC 24 V • 3 Position • Stroke: 5,5 mm • 30 sec. 	4010812
SAS81.33	<ul style="list-style-type: none"> • AC/DC 24 V • 3 Position • Spring Return Function • Stroke: 5,5 mm • 30 sec. 	4010813

Description: Linear Valve Actuators, 400 Nm. Torque



BUILDING AUTOMATION DEVICES

ACVATIX VALVE ACTUATORS

SIEMENS

LINEAR VALVE ACTUATORS



Model	Description	Poz Nr.
SAX31.00	<ul style="list-style-type: none"> AC 230 V 3 Position Stroke:20 mm 120 sec. 	4010814
SAX31.03	<ul style="list-style-type: none"> AC 230 V 3 Position Stroke:20 mm 30 sec. 	4010815
SAX61.03	<ul style="list-style-type: none"> AC/DC 24 V DC 0...10 V / DC 4...20 mA Stroke: 20 mm 30 sec. 	4010816
SAX81.00	<ul style="list-style-type: none"> AC/DC 24 V 3 Position Stroke:20 mm 120 sec. 	4010817
SAX81.03	<ul style="list-style-type: none"> AC/DC 24 V 3 Position Stroke:20 mm 30 sec. 	4010818

Description: Linear Valve Actuators, 800 N

LINEAR VALVE ACTUATORS



Model	Description	Poz Nr.
SAV31.00	<ul style="list-style-type: none"> AC 230 V 3 Position Spring Return Function Stroke:20/40 mm 120 sec. 	4010825
SAV61.00	<ul style="list-style-type: none"> AC/DC 24 V DC 0...10 V/4...20 mA Spring Return Function Stroke:20/40 mm 120 sec. 	4010826
SAV81.00	<ul style="list-style-type: none"> AC/DC 24 V 3 Position Stroke:20/40 mm 120 sec. 	4010827

Description: Electrohydraulic Linear Valve Actuators, 1600 N Torque

LINEAR VALVE ACTUATORS



Model	Description	Poz Nr.
SKD32.21	<ul style="list-style-type: none"> AC 230 V Spring Return Function Stroke:20 mm 30 sec. 	4011691
SKD32.50	<ul style="list-style-type: none"> AC 230 V 3 Position Stroke:20 mm 120 sec. 	4010819
SKD32.51	<ul style="list-style-type: none"> AC 230 V 3 Position Spring Return Function Stroke:20 mm 120 sec. 	4010820
SKD60	<ul style="list-style-type: none"> AC 24 V DC 0...10 V/4...20 mm Stroke:20 mm 30 sec. 	4010821
SKD62	<ul style="list-style-type: none"> AC 24 V DC 0...10 V/4...20 mm Spring Return Function Stroke:20 mm 30 sec. 	4010822
SKD82.50	<ul style="list-style-type: none"> AC 24 V 3 Position Stroke:20 mm 120 sec. 	4010823
SKD82.51	<ul style="list-style-type: none"> AC 24 V 3 Position Spring Return Function Stroke:20 mm 120 sec. 	4010824

Description: Electrohydraulic Linear Valve Actuators, 1000 N Torq



ACVATIX VALVE ACTUATORS

SIEMENS

LINEAR VALVE ACTUATORS



Model	Description	Poz Nr.
SKB32.50	<ul style="list-style-type: none"> AC 230 V 3 Position Stroke: 20 mm 120 sec. 	4010828
SKB32.51	<ul style="list-style-type: none"> AC 230 V 3 Position Spring Return Function Stroke: 20 mm 120 sec. 	4010829
SKB60	<ul style="list-style-type: none"> AC 24 V DC 0...10 V/4...20 mA Stroke: 20 mm 120 sec. 	4010830
SKB62	<ul style="list-style-type: none"> AC 24 V DC 0...10 V/4...20 mA Spring Return Function Stroke: 20 mm 120 sec. 	4010831
SKB82.50	<ul style="list-style-type: none"> AC 24 V 3 Position Stroke: 20 mm 120 sn 	4010832
SKB82.51	<ul style="list-style-type: none"> AC 24 V 3 Position Spring Return Function Stroke: 20 mm 120 sec. 	4010833
SKC32.60	<ul style="list-style-type: none"> AC 230 V 3 Position Stroke: 40 mm 120 sec. 	4010834
SKC32.61	<ul style="list-style-type: none"> AC 230 V 3 Position Spring Return Function Stroke 40 mm 120 sec. 	4010835
SKC60	<ul style="list-style-type: none"> AC 24 V DC 0...10 V/4...20 mA Spring Return Function Stroke: 40 mm 120 sec. 	4010836
SKC62	<ul style="list-style-type: none"> AC 24 V DC 0...10 V/4...20 mA Spring Return Function Stroke: 40 mm 120 sec. 	4010837
SKC82.60	<ul style="list-style-type: none"> AC 24 V 3 Position Spring Return Function Stroke: 40 mm 120 sec. 	4010838
SKC82.61	<ul style="list-style-type: none"> AC 24 V 3 Position Spring Return Function Stroke: 40 mm 120 sec. 	4010839

Description: Electrohydraulic Linear Valve Actuators, 2800 N

ACCESSORIES



Model	Description	Poz Nr.
ASC1.6	<ul style="list-style-type: none"> Auxiliary Switch for SKB6../SKC6../SKD6.. 	4010840
ASC10.42	<ul style="list-style-type: none"> Double Auxiliary Switch for SQV..P.. 	4010841
ASC10.51	<ul style="list-style-type: none"> Auxiliary Switch for SA..31../SA..61../SA..81.. 	4010842
ASC2.1/18	<ul style="list-style-type: none"> Auxiliary Switch for SFA21.../ SFA71... / SFP21.../ SFP71... 	4010843
ASC36	<ul style="list-style-type: none"> Double Auxiliary Switch for SQL36E 	4010844
ASC9.3	<ul style="list-style-type: none"> Double Auxiliary Switch for SKB/ C/ D32../82.. 	4010845
ASC9.7	<ul style="list-style-type: none"> Auxiliary Switch for SQK34../84.. 	4010846

Description: Accessories



ACVATIX VALVE ACTUATORS

SIEMENS

BALL VALVE ACTUATORS



Model	Description	Poz Nr.
GSD141.9A	<ul style="list-style-type: none"> AC/DC 24 V 2 Nm On-Off 30 sec. 	4010847
GSD341.9A	<ul style="list-style-type: none"> AC 230 V 2 Nm On-Off 30 sec. 	4010848
GSD161.9A	<ul style="list-style-type: none"> AC 24 V/DC 24V DC 24..48 V 2 Nm DC0(2)...10 V 30 sec. 	4010849
GQD321.9A	<ul style="list-style-type: none"> AC 230 V 2 Nm Spring Return Function On-Off 30 sec./15 sec. 	4010850
GQD121.9A	<ul style="list-style-type: none"> AC/DC 24 V 2 Nm Spring Return Function On-Off 30 sec./15 sec. 	4010851
GQD131.9A	<ul style="list-style-type: none"> AC/DC 24 V 2 Nm Spring Return Function 3 Position 30 sec./15 sec. 	4010852
GQD161.9A	<ul style="list-style-type: none"> AC/DC 24 V 2 Nm Spring Return Function DC 0...10 V 30 sec./15 sec. 	4010853
GDB111.9E/KN	<ul style="list-style-type: none"> AC 24 V 5 Nm KNX-TP 150 sec. 	4010854
GDB141.9E	<ul style="list-style-type: none"> AC/DC 24V 5 Nm On/Off 3 Position 150 sec. 	4010855
GDB161.9E	<ul style="list-style-type: none"> AC 24 V 5 Nm DC 0...10 V 150 sec. 	4010856
GDB341.9E	<ul style="list-style-type: none"> AC 230 V 5 Nm On/Off 3 Position 150 sec. 	4010857
GMA321.9E	<ul style="list-style-type: none"> AC 230 V 7 Nm Spring Return Function On-Off 90/15 sec. 	4010858

BALL VALVE ACTUATORS



Model	Description	Poz Nr.
GMA121.9E	<ul style="list-style-type: none"> AC/DC 24 V 7 Nm Spring Return Function On-Off 90 sec /15 sec 	4010859
GMA131.9E	<ul style="list-style-type: none"> AC /DC 24 V 7 Nm Spring Return Function 3 Position 90 sec /15 sec 	4010860
GMA161.9E	<ul style="list-style-type: none"> AC /DC 24 V 7 Nm Spring Return Function DC 0/2...10 V 90 sn /15 sn 	4010861
GLB141.9E	<ul style="list-style-type: none"> AC /DC 24 V 10 Nm On/Off 3 Position 150 sec 	4010862
GLB161.9E	<ul style="list-style-type: none"> AC /DC 24 V 10 Nm DC 0/2...10 V 150 sec 	4010863
GLB341.9E	<ul style="list-style-type: none"> AC 230 V 10 Nm On/Off 3 Position 150 sec 	4010864

Description: Ball Valve Actuators

ACCESSORIES



Model	Description	Poz Nr.
ASK77.2	<ul style="list-style-type: none"> Mounting Kit for Rotary Actuators GMA..1E With Spring-return 	4010865
ASK77.3	<ul style="list-style-type: none"> Mounting Kit for Rotary Actuators GDB..1E and GLB..1E Without Spring-return 	4010866
ASK77.5	<ul style="list-style-type: none"> Mounting Kit for Rotary Actuators GQD..1A With Spring-return and GSD..1A Without Spring-return 	4010867



ACVATIX VALVE ACTUATORS

SIEMENS

LINEAR VALVE ACTUATORS



Model	Description	Poz Nr.
SFA21/18	<ul style="list-style-type: none"> • AC 230 V • Spring Return Function • On-Off • 200 N • Stroke:2,5 mm • 10 sec. 	4010868
SFA71/18	<ul style="list-style-type: none"> • AC 24V • Spring Return Function • On-Off • 200 N • Stroke:2,5 mm • 10 sec. 	4010869
SFP21/18	<ul style="list-style-type: none"> • AC 230 V • Spring Return Function • On-Off • 135 N • Stroke:2,5 mm • 10 sec. 	4010870
SFP71/18	<ul style="list-style-type: none"> • AC 24 V • On-Off • 135 N • Stroke:2,5 mm • 10 sec. 	4010871
SSP31	<ul style="list-style-type: none"> • AC 230 V • 3 Position • 160 N • Stroke:2,5 mm • 150 sec. 	4010872
SSP61	<ul style="list-style-type: none"> • AC/DC 24 V • DC 0...10 V • 160 N • Stroke:2,5 mm • 34 sec. 	4010873
SSP81	<ul style="list-style-type: none"> • AC 24 V • 3 Position • 160 N • Stroke:2,5 mm • 150 sec. 	4010874
SSP81.04	<ul style="list-style-type: none"> • AC 24 V • 3 Position • 160 N • Stroke:2,5 mm • 43 sec. 	4010875
SSB31	<ul style="list-style-type: none"> • AC 230 V • 3 Position • 200 N • Stroke:5,5 mm • 150 sec. 	4010876
SSB31.1	<ul style="list-style-type: none"> • AC 230 V • 3 Position • 200 N • Stroke:5,5 mm • 150 sec. • With Auxiliary Switch 	4010877



LINEAR VALVE ACTUATORS



Model	Description	Poz Nr.
SSB81	<ul style="list-style-type: none"> • AC 24 V • 3 Position • 200 N • Stroke:5,5 mm • 150 sec. 	4010878
SSB81.1	<ul style="list-style-type: none"> • AC 24 V • 3 Position • 200 N • Stroke:5,5 mm • 150 sec. • With Auxiliary Switch 	4010879
SSB61	<ul style="list-style-type: none"> • AC/DC 24 V • DC 0...10 V • 200 N • Stroke:5,5 mm • 75 sec. 	4010880
SSC31	<ul style="list-style-type: none"> • AC 230 V • 3 Position • 300 N • Stroke:5,5 mm • 150 sec. 	4010881
SSC61	<ul style="list-style-type: none"> • AC/DC 24 V • DC 0...10 V • 300 N • Stroke:5,5 mm • 30 sec. 	4010882
SSC61.5	<ul style="list-style-type: none"> • AC/DC 24 V • Spring Return Function • DC 0...10 V • 300 N • Stroke:5,5 mm • 30 sec. 	4010883
SSC81	<ul style="list-style-type: none"> • AC 24 V • 3 Position • 300 N • Stroke:5,5 mm • 150 sec. 	4010884



BUILDING AUTOMATION DEVICES

ACVATIX VALVE ACTUATORS

SIEMENS

ELECTROTHERMAL ACTUATORS



Model	Description	Poz Nr.
STA23	<ul style="list-style-type: none"> • AC 230 V • On-Off • 100 N • Stroke: 4,5 mm • 210 sec. • Normally Closed • 1 Mt. Cable 	4010885
STA23HD	<ul style="list-style-type: none"> • AC 230 V • On-Off • 90 N • Stroke: 4,5 mm • 210 sec. • Normally Closed • 0,8 Mt. Cable 	4010886
STA73	<ul style="list-style-type: none"> • AC/DC 24 V • On-Off • 100 N • Stroke: 4,5 mm • 270 sec. • Normally Closed • 1 Mt. Cable 	4010887
STA73HD	<ul style="list-style-type: none"> • AC /DC 24 V • On-Off • 90 N • Stroke: 4,5 mm • 270 sec. • Normally Closed • 0,8 Mt. Cable 	4010888
STA63	<ul style="list-style-type: none"> • AC 24 V • DC 0...10 V • 100 N • Stroke: 4,5 mm • 30 sec. • Normally Closed • 1 Mt. Cable 	4010889
STP23	<ul style="list-style-type: none"> • AC 230 V • On-Off • 100 N • Stroke: 4,5 mm • 210 sec. • Normally On • 1 Mt. Cable 	4010890
STP73	<ul style="list-style-type: none"> • AC /DC 24 V • On-Off • 100 N • Stroke: 4,5 mm • 270 sec. • Normally On • 1 Mt. Cable 	4010891
STP63	<ul style="list-style-type: none"> • AC 24 V • DC 0...10 V • 100 N • Stroke: 4,5 mm • 270 sec. • Normally On • 1 Mt. Cable 	4010892

ELECTROTHERMAL ACTUATORS



Model	Description	Poz Nr.
SUA21/3	<ul style="list-style-type: none"> • AC 230 V • On-Off (SPST) • 170 N • Stroke: 2,5 mm • 10 sec. 	4010893
SSA31.04	<ul style="list-style-type: none"> • AC 230 V • 3 Position/SPDT • 160 N • Stroke: 2,5 mm • 150 sec. 	4010894

SLIPPER VALVE ACTUATORS



Model	Description	Poz Nr.
SQK34.00	<ul style="list-style-type: none"> • AC 230 V • 3 Position • 5Nm • 135 sec. 	4010896
SQK84.00	<ul style="list-style-type: none"> • AC 24 V • 3 Position • 5 Nm • 135 sec. 	4010897
SAL31.00T10	<ul style="list-style-type: none"> • AC 230 V • 3 Position • 10 Nm • 120 sec. 	4010898
SAL31.03T10	<ul style="list-style-type: none"> • AC 230 V • 3 Position • 10 Nm • 30 sec. 	4010899
SAL61.00T10	<ul style="list-style-type: none"> • AC/DC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • 10 Nm • 120 sec. 	4010900
SAL61.03T10	<ul style="list-style-type: none"> • AC/DC 24 V • DC 0...10 V • DC 4...20 mA • 0... 1000 Ω • 10 Nm • 30 sec. 	4010901



ACVATIX VALVE ACTUATORS

SIEMENS

SLIPPER VALVE ACTUATORS



Model	Description	Poz Nr.
SAL81.00T10	<ul style="list-style-type: none"> • AC/DC 24 V • 3 Position • 10 Nm • 120 sec. 	4010902
SAL81.03T10	<ul style="list-style-type: none"> • AC/DC 24 V • 3 Position • 10 Nm • 30 sec. 	4010903

SLIPPER VALVE ACTUATORS



Model	Description	Poz Nr.
ASK31N	<ul style="list-style-type: none"> • Mounting Set for SAL... onto VBF21.. 	4010408

BUTTERFLY VALVE ACTUATORS



Model	Description	Poz Nr.
SAL31.00T10	<ul style="list-style-type: none"> • AC 230 V • 3 Position • 10 Nm • 120 sec. 	4010898
SAL31.00T20	<ul style="list-style-type: none"> • AC 230 V • 3 Position • 20 Nm • 120 sec. 	4010907
SAL31.00T40	<ul style="list-style-type: none"> • AC 230 V • 3 Position • 40 Nm • 120 sec. 	4010908
SAL31.03T10	<ul style="list-style-type: none"> • AC 230 V • 3 Position • 10 Nm • 30 sec. 	4010899
SAL61.00T10	<ul style="list-style-type: none"> • AC/DC 24 V • DC 0...10 V • DC 4...20 mA • 0...1000 Ω • 10 Nm • 120 sec. 	4010900
SAL61.00T20	<ul style="list-style-type: none"> • AC/DC 24 V • DC 0...10 V • DC 4...20 mA • 0...1000 Ω • 20 Nm • 120 sec. 	4010911
SAL61.00T40	<ul style="list-style-type: none"> • AC/DC 24 V • DC 0...10 V • DC 4...20 mA • 0...1000 Ω • 40 Nm • 120 sec. 	4010912
SAL61.03T10	<ul style="list-style-type: none"> • AC/DC 24 V • DC 0...10 V • DC 4...20 mA • 0...1000 Ω • 10 Nm • 30 sec. 	4010901
SAL81.00T10	<ul style="list-style-type: none"> • AC/DC 24 V • 3 Position • 10 Nm • 120 sec. 	4010902
SAL81.00T20	<ul style="list-style-type: none"> • AC/DC 24 V • 3 Position • 20 Nm • 120 sec. 	4010915
SAL81.00T40	<ul style="list-style-type: none"> • AC/DC 24 V • 3 Position • 40 Nm • 120 sec. 	4010916
SAL81.03T10	<ul style="list-style-type: none"> • AC/DC 24 V • 3 Position • 10 Nm • 30 sec. 	4010903





BUILDING AUTOMATION DEVICES

ACVATIX VALVE ACTUATORS

SIEMENS

BUTTERFLY VALVE ACTUATORS



Model	Description	Poz Nr.
SQL36E50F04	<ul style="list-style-type: none">AC 230V3 Position40 Nm25 sec.F04 Connection	4010918
SQL36E50F05	<ul style="list-style-type: none">AC 230V3 Position40 Nm25 sec.F05 Connection	4010919
SQL36E65	<ul style="list-style-type: none">AC 230V3 Position100 Nm6 sec.	4010920
SQL36E110	<ul style="list-style-type: none">AC 230V3 Position40 Nm12 sec.	4010921
SQL36E160	<ul style="list-style-type: none">AC 230V3 Position1200 Nm24 sec.	4010922

COMBI VALVE ACTUATORS



Ürün Kodu	Açıklama	Ref. Kodu
ASK33N	<ul style="list-style-type: none">Mounting Set for SAL... onto VKF41..	4010430

COMBI VALVE ACTUATORS



Model	Description	Poz Nr.
SSA331.00	<ul style="list-style-type: none">AC 230 V3 Position100 NStroke: 2,5/5 mm67,50 sec.	4010924
SSA31.1	<ul style="list-style-type: none">AC 230 V3 Position100 NStroke: 2,5/5 mm150 sec.With Auxiliary Switch	4010925
SSA161.05	<ul style="list-style-type: none">AC/DC 24 VDC 0...10 V100 NStroke: 2,5/5 mm25 sec.	4010926
SSA131.00	<ul style="list-style-type: none">AC 24 V3 Position100 NStroke: 2,5/5 mm67,50 sec.	4010927
SSA81.1	<ul style="list-style-type: none">AC 24 V3 Position100 NStroke: 2,5/5 mm150 sec.With Auxiliary Switch	4010928
SAX31P03	<ul style="list-style-type: none">AC 230 V3 Position500 NStroke: 20 mm30 sec.	4010929
SAX61P03	<ul style="list-style-type: none">AC /DC 24 VDC 0...10 V/DC 4...20 mA500 NStroke: 20 mm30 sec.	4010930
SAX81P03	<ul style="list-style-type: none">AC /DC 24 V3 Position500 NStroke: 20 mm30 sec.	4010931
SQV91P03	<ul style="list-style-type: none">AC /DC 24 V3 Position/DC 0...10 V/DC 4...20 mA1100 NSpring Return FunctionStroke: 20 /40 mm40/80 sec.	4010932
SQV91P40	<ul style="list-style-type: none">AC /DC 24 V3 Position/DC 0...10 V/DC 4...20 mA1100 NSpring Return FunctionStroke: 20 /40 mm40/80 sec.	4010933



ACVATIX VALVE ACTUATORS

SIEMENS

COMBI VALVE ACTUATORS



Model	Description	Poz Nr.
SAV31P00	<ul style="list-style-type: none"> AC 230 V 3 Position 1100 N Stroke: 40 mm 120 sec. 	4010934
SAV61P00	<ul style="list-style-type: none"> AC /DC 24 V DC 0...10 V / DC 4...20 mA/0...1000 Ω 1100 N Stroke: 40 mm 120 sec. 	4010935
SAV81P00	<ul style="list-style-type: none"> AC / DC 24 V 3 Position 1100 N Stroke: 40 mm 120 sec. 	4010936
SAY31P03	<ul style="list-style-type: none"> AC 230 V 3 Position 200 N Stroke: 15 mm 30 sec. 	4010937
SAY61P03	<ul style="list-style-type: none"> AC / DC 24 V DC 0...10 V / DC 4...20 mA/0...1000 Ω 200 N Stroke: 15 mm 30 sec. 	4010938
SAY81P03	<ul style="list-style-type: none"> AC / DC 24 V 3 Position 200 N Stroke: 15 mm 30 sec. 	4010939

FITTINGS FOR VVP47 / VVP45 / VXP45



Model	Description	Poz Nr.
ALG122	• DN10 (Set of 2)	4010940
ALG123	• DN10 (Set of 3)	4010941
ALG132	• DN10 (Set of 2)	4010942
ALG133	• DN10 (Set of 3)	4010943
ALG142	• DN15 (Set of 2)	4010944
ALG143	• DN15 (Set of 3)	4010945

Description: Fittings For VVP47../VXP47../VVP45../VXP45..

FITTINGS FOR VVP47 / VVP45 / VXP45



Model	Description	Poz Nr.
ALG152	• DN15 (Set of 2)	4010946
ALG153	• DN15 (Set of 3)	4010947
ALG202	• DN20 (Set of 2)	4010948
ALG203	• DN20 (Set of 3)	4010949
ALG252	• DN25 (Set of 2)	4010950
ALG253	• DN25 (Set of 3)	4010951
ALG322	• DN32 (Set of 2)	4010952
ALG323	• DN32 (Set of 3)	4010953
ALG402	• DN40 (Set of 2)	4010954
ALG403	• DN40 (Set of 3)	4010955
ALG502	• DN50 (Set of 2)	4010956
ALG503	• DN50 (Set of 3)	4010957

Description: Fittings For VVG41/44... and VVG41/44...

FITTINGS FOR VVP47 / VVP45 / VXP45



Model	Description	Poz Nr.
ALN15.152B	• DN15 (Set of 2)	4010958
ALN15.202B	• DN20 (Set of 2)	4010959
ALG15.152B	• DN15 (Set of 2)	4010960
ALG15.202B	• DN20 (Set of 2)	4010961
ALG15.252B	• DN25 (Set of 2)	4010962

Description: Fittings For VWG41.20...



BUILDING AUTOMATION DEVICES

THERMOSTATS

SIEMENS

ROOM THERMOSTATS



Model	Description	Poz Nr.
RAA11	<ul style="list-style-type: none"> AC 24...250 V Public Sector Model 	4010963
RAA21	<ul style="list-style-type: none"> AC 24...250 V (8-30°C) Basic Model with a Setting Knob 	4010964
RAA31	<ul style="list-style-type: none"> AC 24...250 V (8-30°C) With a Setting Knob and an On-Off Switch 	4010965
RAA31.16	<ul style="list-style-type: none"> AC 230 V (8-30°C) With a Setting Knob an On-Off Switch and a LED 	4010966
RAA31.26	<ul style="list-style-type: none"> AC 230 V (8-30°C) With a Setting Knob an On-Off Switch and a LED Auxillary Switch and a LED 	4010967
RAA41	<ul style="list-style-type: none"> AC 24...250 V (8-30°C) With a Setting Knob a Selector Heating-Off-Cooling 1 output 	4010968

Description: Electromechanical Room Thermostats (8-30°C)

ROOM THERMOSTATS



Model	Description	Poz Nr.
RCU10	<ul style="list-style-type: none"> AC 230 V With Frost Protection Function 	4010969
RCU15	<ul style="list-style-type: none"> AC 24 V With Frost Protection Function 	4010970

Description: Electronic Analogue Universal Room Thermostats (8-30°C), Heating or Cooling.

ROOM THERMOSTATS



Model	Description	Poz Nr.
RCU50.2	<ul style="list-style-type: none"> AC 24 V Manual Changeover Heating-Cooling-Off Positioning Signal DC 0...10 V 	4010971
RLA162	<ul style="list-style-type: none"> AC 24 V Room Temperature Controller 2 DC 0...10V Output 	4010003

Description: Room Thermostat for VAV and CAV Systems

ROOM THERMOSTATS



Model	Description	Poz Nr.
RDU340	<ul style="list-style-type: none"> AC 24V DC 0...10 V 	4010973
RDG400	<ul style="list-style-type: none"> AC 24V DC 0...10 V On/Off PWM 3 Position 	4010975
RDG405KN	<ul style="list-style-type: none"> AC 24V DC 0...10 V On/Off PWM 3 Position KNX Communication 	4010976
RDG405KN	<ul style="list-style-type: none"> AC 24V Air Quality Control DC 0...10 V On/Off PWM 3 Position KNX Communication 	4010977

Description: Electronic Room Thermostats for VAV / CAV Systems



THERMOSTATS

ROOM THERMOSTATS



Model	Description	Poz Nr.
RDD100	<ul style="list-style-type: none"> AC 230 V Automatic Operating Mode Changeover 	4010978
RDD100.1	<ul style="list-style-type: none"> Automatic Operating Mode Changeover Battery 	4010979
RDD100.1DHW	<ul style="list-style-type: none"> Automatic Operating Mode Changeover Battery DHW 	4010980
RDD310/EH	<ul style="list-style-type: none"> AC 230 V Flush-mount Floor Temperature Limitation with Cable Temperature Sensor 	4010981
RDD310/MM	<ul style="list-style-type: none"> AC 230 V Flush-mount 	4010982
RDE100	<ul style="list-style-type: none"> AC 230 V Weekly Auto Time Switch 	4010983
RDE100.1	<ul style="list-style-type: none"> Weekly Auto Time Switch Battery 	4010984
RDE100.1DHW	<ul style="list-style-type: none"> Weekly Auto Time Switch Battery DHW 	4010985
RDH100	<ul style="list-style-type: none"> Heating or Cooling Battery On-Off Large Display 	4010986
RDJ100	<ul style="list-style-type: none"> Only Heating Battery Weekly Auto Time Switch On-Off Large Display 	4010987

Description: Room Thermostats (5-35°C), With LCD

ROOM THERMOSTATS



Model	Description	Poz Nr.
REV13	<ul style="list-style-type: none"> Only Heating Battery Daily Auto Time Switch On-Off 	4010988
REV13DC	<ul style="list-style-type: none"> Only Heating Battery Daily Auto Time Switch On-Off Receive Time Signal DCF77 	4010989
REV24	<ul style="list-style-type: none"> Heating and Cooling Battery Daily Auto Time Switch On-Off 	4010991
REV24DC	<ul style="list-style-type: none"> Heating and Cooling Battery Daily Auto Time Switch On-Off Receive Time Signal DCF77 	4010992

Description: Room Thermostats, (5-40°C), With LCD



BUILDING AUTOMATION DEVICES

THERMOSTATS

SIEMENS

ROOM THERMOSTATS



Model	Description	Poz Nr.
RDD100.1RFS	<ul style="list-style-type: none"> Automatic Operating Mode Changeover Battery Including Receiver 	4010995
RDD100.1RF	<ul style="list-style-type: none"> Automatic Operating Mode Changeover Battery Including Receiver 	4010996
RDE100.1RFS	<ul style="list-style-type: none"> Weekly Auto Time Switch Battery Including Receiver 	4010997
RDE100.1RF	<ul style="list-style-type: none"> Weekly Auto Time Switch Battery 	4010998
RDE-MZ6	<ul style="list-style-type: none"> Wireless Multizone Receiver 	4011001
RDH100RF/SET	<ul style="list-style-type: none"> With LCD Only Heating Battery On-Off Wireless 	4011003
RDJ100RF/SET	<ul style="list-style-type: none"> With LCD Only Heating Battery Weekly Auto Time Switch On-Off Wireless 	4011004
REV24RF/SET	<ul style="list-style-type: none"> With LCD Only Heating Battery Weekly Auto Time Switch On-Off Wireless 	4011005
REV24RFDC/SET	<ul style="list-style-type: none"> With LCD Only Heating Battery Weekly Auto Time Switch On-Off Wireless 	4011007

Description: Wireless Room Thermostats, (5-30°C), With LCD

ROOM THERMOSTATS



Model	Description	Poz Nr.
RAB11	<ul style="list-style-type: none"> AC 24...250 V Heating or Cooling 3 -Speed Fan Operation 	4011008
RAB11.1	<ul style="list-style-type: none"> AC 24...250 V Heating or Cooling 3 -Speed Fan Operation Selector Heating/Cooling/Fan only 	4011009
RAB21	<ul style="list-style-type: none"> AC 24...250 V Automatic Heating / Cooling Mode Changeover 3 -Speed Fan Operation 	4011009
RAB21.1	<ul style="list-style-type: none"> AC 24...250 V Automatic Heating / Cooling Mode Changeover 3 -Speed Fan Operation Selector Heating/Cooling/Fan only 	4011010
RAB21	<ul style="list-style-type: none"> AC 24...250 V 3-Speed Fan Operation 	4011011
RAB91	<ul style="list-style-type: none"> AC 24...250 V 3 Speed Fan Operation 	4011012

Description: Electromechanical Room Thermostat for 2-pipe Fan Coils (8-30°C)

ROOM THERMOSTATS



Model	Description	Poz Nr.
RAB31	<ul style="list-style-type: none"> AC 24...250 V Heating or Cooling 3-Speed Fan Operation 	4011013
RAB31.1	<ul style="list-style-type: none"> AC 24...250 V Heating or Cooling 3-Speed Fan Operation Selector Heating/Cooling/Fan only 	4011014

Description: Electromechanical Room Thermostat for 4-pipe Fan Coils (8-30°C).



THERMOSTATS

SIEMENS

ROOM THERMOSTATS



Model	Description	Poz Nr.
RCC10	<ul style="list-style-type: none"> • AC 230 V • 3-Speed Fan Operation • With Frost Protection Function • Return Air Sensor 	4011015
RCC20	<ul style="list-style-type: none"> • AC 230 V • 3-Speed Fan Operation • With Frost Protection Function • Return Air Sensor • Electrical Heater 	4011016

Description: Room Thermostat for 2-pipe Fan Coils (8-30°C), with LED.

ROOM THERMOSTATS



Model	Description	Poz Nr.
RCC30	<ul style="list-style-type: none"> • AC 230 V • 3-Speed Fan Operation • With Frost Protection Function • Return Air Sensor 	4011017

Description: Room Thermostat for 4-pipe Fan Coils (8-30°C), with LED

ROOM THERMOSTATS



Model	Description	Poz Nr.
RDF110	<ul style="list-style-type: none"> • AC 230 V • 3-Speed Fan Operation • Return Air Sensor 	4011018
RDF110.2	<ul style="list-style-type: none"> • AC 230 V • 3-Speed Fan Operation • Manual Heating / Cooling Changeover 	4011019

Description: Room Thermostat for 2-pipe Fan Coils (5-35°C), With LCD

ROOM THERMOSTATS



Model	Description	Poz Nr.
RDF310,2/MM	<ul style="list-style-type: none"> • AC 230 V • 3-Speed Fan Operation 	4011020

Description: Room Thermostat for 2-pipe Fan Coils (5-35°C), With LCD

ROOM THERMOSTATS



Model	Description	Poz Nr.
RDF300.02	<ul style="list-style-type: none"> • AC 230 V • 3-Speed Fan Operation • Return Air Sensor • On-Off and 3 position 	4011021
RDF600KN	<ul style="list-style-type: none"> • AC 230 V • 3-Speed Fan Operation • On-Off and 3 position • Multifunctional Input • KNX Communications 	4011022
RDF600KN/S	<ul style="list-style-type: none"> • AC 230 V • 3-Speed Fan Operation • On-Off and 3 position • Multifunctional Input • KNX Communications • KNX Contact Grouping 	4011023
RDF302	<ul style="list-style-type: none"> • AC 230 V • 3-Speed Fan Operation • Return Air Sensor • On-Off and 3 position • Modbus Communications 	4011024
RDF302.B	<ul style="list-style-type: none"> • AC 230 V • Output for 1-speed or 3-speed fan • LCD Display • 2 or 3-position Control • Modbus Communication 	
RDF340	<ul style="list-style-type: none"> • AC 24 V • 3-Speed Fan Operation • Return Air Sensor • DC 0...10 V 	4011025
RDF600	<ul style="list-style-type: none"> • AC 230 V • 3-Speed Fan Operation • Return Air Sensor • On-Off and 3 position 	4011026
RDF600T	<ul style="list-style-type: none"> • AC 230 V • 3-Speed Fan Operation • Return Air Sensor • On-Off and 3 position • Weekly Auto Time Switch 	4011027





BUILDING AUTOMATION DEVICES

THERMOSTATS

SIEMENS

ROOM THERMOSTATS



Model	Description	Poz Nr.
RDF600KN	<ul style="list-style-type: none"> AC 230 V 3-Speed Fan Operation Return Air Sensor On-Off and 3 position KNX Communications 	4011028
RDF800KN	<ul style="list-style-type: none"> AC 230 V 3-Speed Fan Operation Return Air Sensor On-Off and 3 position KNX Communications 	4011029

Description: Room Thermostat for 2-/4-pipe Fan Coils (5-35°C), With Backlit LCD

ROOM THERMOSTATS



Model	Description	Poz Nr.
RDG100	<ul style="list-style-type: none"> AC 230 V On-Off 3 position or PWM 	4011030
RDG100T	<ul style="list-style-type: none"> AC 230 V On-Off 3 position or PWM Weekly Auto Time Switch 	4011031
RDG100KN	<ul style="list-style-type: none"> AC 230 V On-Off 3 position or PWM KNX Communications 	4011032
RDG110	<ul style="list-style-type: none"> AC 230 V On-Off 3 position or PWM Heat Pump Weekly Auto Time Switch 	4011033
RDG160T	<ul style="list-style-type: none"> AC 24 V DC 24 V On-Off DC 0...10 V Heat Pump Weekly Auto Time Switch 	4011034
RDG160KN	<ul style="list-style-type: none"> AC 24 V On-Off DC 0...10 V Heat Pump KNX Communications 	4011035
RDG165KN	<ul style="list-style-type: none"> AC 24 V On-Off DC 0...10 V Heat Pump Built-in Humidity Sensor and Humidity Control KNX Communications 	4011036

Description: Room Thermostat for 2-/4-pipe Fan Coils, With LCD

FROST PROTECTION THERMOSTATS



Model	Description	Poz Nr.
QAF63.2-J	<ul style="list-style-type: none"> AC 24 V DC 0..10 V 2 m Capillary 0...15 °C IP42 	4011037
QAF63.6-J	<ul style="list-style-type: none"> AC 24 V DC 0..10 V 6 m Capillary 0...15 °C IP42 	4011038
QAF64.2-J	<ul style="list-style-type: none"> AC 24 V DC 0..10 V ve On-Off 2 m Capillary 0...15 °C IP42 	4011039
QAF64.6-J	<ul style="list-style-type: none"> AC 24 V DC 0..10 V ve On-Off 6 m Capillary 0...15 °C IP42 	4011040
QAF81.3	<ul style="list-style-type: none"> Automatic Reset 3 m Capillary -5...15 °C IP54 	4011041
QAF81.6	<ul style="list-style-type: none"> Automatic Reset 6 m Capillary -5...15 °C IP54 	4011042
QAF81.6M	<ul style="list-style-type: none"> Manual Reset 6 m Capillary -5...15 °C IP54 	4011043



THERMOSTATS

SIEMENS

OTHER THERMOSTATS



Model	Description	Poz Nr.
RAK-ST.010FP-M	<ul style="list-style-type: none"> • 70 cm Capillary • 95 °C • IP43 • 10 cm With Protection Pocket 	4011044
RAK-ST.020FP-M	<ul style="list-style-type: none"> • 70 cm Capillary • 100 °C • IP43 • 10 cm With Protection Pocket 	4011045
RAK-ST.030FP-M	<ul style="list-style-type: none"> • 70 cm Capillary • 110 °C • IP43 • 10 cm With Protection Pocket 	4011046
RAK-ST.1430S-M	<ul style="list-style-type: none"> • 70 cm Capillary • 80...100 °C • IP43 • 10 cm With Protection Pocket 	4011047
RAK-ST.1310P-M	<ul style="list-style-type: none"> • 70 cm Capillary • 90...110 °C • IP43 • 10 cm With Protection Pocket 	4011048
RAK-ST.1300P-M	<ul style="list-style-type: none"> • 70 cm Capillary • 110...130 °C • IP43 • 10 cm With Protection Pocket 	4011049
RAK-ST.1600MP	<ul style="list-style-type: none"> • 70 cm Capillary • 95...130 °C • IP65 • 10 cm With Protection Pocket 	4011050
RAK-ST.1385M	<ul style="list-style-type: none"> • 70 cm Capillary • 40...70 °C • IP65 	4011051
RAK-TB.1400S-M	<ul style="list-style-type: none"> • 70 cm Capillary • 45...60 °C • IP43 	4011052
RAK-TB.1410B-M	<ul style="list-style-type: none"> • 70 cm Capillary • 50...70 °C • IP43 • 10 cm With Protection Pocket 	4011053
RAK-TB.1420S-M	<ul style="list-style-type: none"> • 70 cm Capillary • 65...80 °C • IP43 	4011054

Description: Manual Reset Limit Thermostat

OTHER THERMOSTATS



Model	Description	Poz Nr.
RAK-TR.1000B-H	<ul style="list-style-type: none"> • 70 cm Capillary • 15...95 °C • IP43 • 10 cm With Protection Pocket 	4011055
RAK-TR.1000S-H	<ul style="list-style-type: none"> • 70 cm Capillary • 15...95 °C • IP43 	4011056
RAK-TR.1210B-H	<ul style="list-style-type: none"> • 70 cm Capillary • 15...82 °C • IP43 • 10 cm With Protection Pocket 	4011057

Description: Control Thermostat

OTHER THERMOSTATS



Model	Description	Poz Nr.
RAK-TW.1000S-H	<ul style="list-style-type: none"> • 70 cm Capillary • 15...95 °C • IP43 	4011058
RAK-TW.1200B-H	<ul style="list-style-type: none"> • 70 cm Capillary • 40...120 °C • IP43 • 10 cm With Protection Pocket 	4011059
RAK-TW.1200S-H	<ul style="list-style-type: none"> • 70 cm Capillary • 40...120 °C • IP43 	4011060
RAK-TW.1000HB	<ul style="list-style-type: none"> • 70 cm Capillary • 15...95 °C • IP65 • 10 cm With Protection Pocket 	4011061
RAK-TW.1200HP	<ul style="list-style-type: none"> • 70 cm Capillary • 40...120 °C • IP65 • 10 cm With Protection Pocket 	4011062

Description: Thermal Reset Limit Thermostat



BUILDING AUTOMATION DEVICES

THERMOSTATS

SIEMENS

OTHER THERMOSTATS



Model	Description	Poz Nr.
RAK-TW.5000HS	<ul style="list-style-type: none"> • 160 cm Capillary • 5...65 °C • IP65 	4011063
RAK-TW.5000S-H	<ul style="list-style-type: none"> • 160 cm Capillary • 5...65 °C • IP43 	4011064
RAK-TW.5010S-H	<ul style="list-style-type: none"> • 160 cm Capillary • -10...50 °C • IP43 	4011065

Description: Frost Protection Thermostat

OTHER THERMOSTATS



Model	Description	Poz Nr.
RAZ-ST.011FP-J	<ul style="list-style-type: none"> • 70 cm Capillary • 15...95/100 °C • IP40 • 10 cm With Protection Pocket 	4011066
RAZ-ST.030FP-J	<ul style="list-style-type: none"> • 70 cm Capillary • 15...95/100 °C • IP40 • 10 cm With Protection Pocket 	4011067
RAZ-ST.1500P-J	<ul style="list-style-type: none"> • 70 cm Capillary • 15...95/110...130 °C • IP40 • 10 cm With Protection Pocket 	4011068
RAZ-ST.1510P-J	<ul style="list-style-type: none"> • 70 cm Capillary • 15...95°C/90...110 °C • IP40 • 10 cm With Protection Pocket 	4011069
RAZ-TW.1000P-J	<ul style="list-style-type: none"> • 70 cm Capillary • 15...95°C/15...95 °C • IP40 • 10 cm With Protection Pocket 	4011070
RAZ-TW.1200P-J	<ul style="list-style-type: none"> • 70 cm Capillary • 40...120°C/40...120 °C • IP40 • 10 cm With Protection Pocket 	4011071

Description: Double Thermostat (Temperature Control and Safety Limit Thermostat)

OTHER THERMOSTATS



Model	Description	Poz Nr.
TKM2	<ul style="list-style-type: none"> • Thermal Reset Limit Thermostat for Air Ducts • 20...110 °C • IP54 • With 20 cm Perforated Protection Pocket 	4011072
TRG2	<ul style="list-style-type: none"> • Industrial Room Thermostat • -5...50 °C • IP54 	4011073
TRG22	<ul style="list-style-type: none"> • Industrial Room Thermostat • Double Stage • Double Contact • -5...50 °C • IP54 	4011074
RAM-TR.2000M	<ul style="list-style-type: none"> • Control Thermostat • 20...90 °C • IP20 • With Mounting Spring 	4011075
RAM-TW.2000M	<ul style="list-style-type: none"> • Thermal Reset Limit Thermostat • 20...90 °C • IP20 • With Mounting Spring 	4011076

Description: Special Thermostats



SYMARO SENSORS

SIEMENS

TEMPERATURE SENSORS



Model	Description	Poz Nr.
QAA2010	<ul style="list-style-type: none"> (0...50 °C) Pt100 IP30 	4011077
QAA2012	<ul style="list-style-type: none"> (0...50 °C) Pt1000 IP30 	4011078
QAA2030	<ul style="list-style-type: none"> (0...50 °C) NTC 10K IP30 	4011079
QAA2061	<ul style="list-style-type: none"> (0...50 °C) Active DC 0...10 V IP30 AC 24 V DC 13.5...35 V 	4011080
QAA2061D	<ul style="list-style-type: none"> (0...50 °C) Active DC 0...10 V With Display IP30 AC 24 V DC 13.5...35 V 	4011081
QAA2071	<ul style="list-style-type: none"> (0...50 °C) Active 4...20mA IP30 DC 13.5...35 V 	4011082
QAA24	<ul style="list-style-type: none"> (0...50 °C) LG-Ni1000 IP30 	4011083
QAA25	<ul style="list-style-type: none"> (0...50 °C) LG-Ni1000 Setpoint Adjuster 5...35°C IP30 	4011084
QAA26	<ul style="list-style-type: none"> (0...50 °C) LG-Ni1000 Setpoint Adjuster 5...30°C IP30 	4011085
QAA27	<ul style="list-style-type: none"> (0...50 °C) LG-Ni1000 Setpoint Adjuster -3...3K IP30 	4011086
QAA32	<ul style="list-style-type: none"> (0...40 °C) NTC 3K Ohm IP30 	4011087
QAA64	<ul style="list-style-type: none"> (0...50 °C) LG-Ni1000 Built-in IP40 	4011088
QAA910	<ul style="list-style-type: none"> (0...50 °C) RF Communications Based on KNX Standart IP40 	4011089

Description: Room Temperature Sensors

TEMPERATURE SENSORS



Model	Description	Poz Nr.
QAM2110.040	<ul style="list-style-type: none"> (-50...+80 °C) 400 mm PT100 IP42 	4011090
QAM2112.040	<ul style="list-style-type: none"> (-50...+80 °C) 400 mm PT1000 IP42 	4011091
QAM2112.200	<ul style="list-style-type: none"> (-50...+80 °C) 2000 mm PT1000 IP42 	4011092
QAM2120.040	<ul style="list-style-type: none"> (-50...+80 °C) 400 mm LG-Ni1000 IP42 	4011093
QAM2120.200	<ul style="list-style-type: none"> (-50...+80 °C) 2000 mm LG-Ni1000 IP42 	4011094
QAM2120.600	<ul style="list-style-type: none"> (-50...+80 °C) 6000 mm LG-Ni1000 IP42 	4011095
QAM2130.040	<ul style="list-style-type: none"> (-40...+80 °C) 400 mm NTC 10K IP42 	4011096
QAM2161.040	<ul style="list-style-type: none"> (-50...+50 °C) Active 400 mm DC 0...10V IP54 	4011097
QAM2171.040	<ul style="list-style-type: none"> (-50...+50 °C) Active 400 mm 4...20 mA IP54 	4011098
FK-TP/200	<ul style="list-style-type: none"> (-60...+300 °C) 200 mm PT100 IP54 	4011099

Description: Duct Temperature Sensor




BUILDING AUTOMATION DEVICES

SYMARO SENSORS

SIEMENS

TEMPERATURE SENSORS		
		
Model	Description	Poz Nr.
QAE2111.010	<ul style="list-style-type: none"> • (-30...+130 °C) • 100 mm • Pt100 • IP42 	4011100
QAE2111.015	<ul style="list-style-type: none"> • (-30...+130 °C) • 150 mm • Pt100 • IP42 	4011101
QAE2112.010	<ul style="list-style-type: none"> • (-30...+130 °C) • 100 mm • Pt 1000 • IP42 	4011102
QAE2112.015	<ul style="list-style-type: none"> • (-30...+130 °C) • 150 mm • Pt 1000 • IP42 	4011103
QAE2120.010	<ul style="list-style-type: none"> • (-30...+130 °C) • 100 mm • LG-Ni1000 • IP42 	4011104
QAE2120.015	<ul style="list-style-type: none"> • (-30...+130 °C) • 150 mm • LG-Ni1000 • IP42 	4011105
QAE2121.010	<ul style="list-style-type: none"> • (-30...+130 °C) • 100 mm • LG-Ni1000 • IP42 	4011106
QAE2130.010	<ul style="list-style-type: none"> • (-30...+125 °C) • 100 mm • NTC 10K • IP42 	4011107
QAE2130.015	<ul style="list-style-type: none"> • (-30...+125 °C) • 150 mm • NTC 10K • IP42 	4011108
QAE2164.010	<ul style="list-style-type: none"> • (-10...+120 °C) • Active • 100 mm • DC 0...10 V • IP42 	4011109
QAE2164.015	<ul style="list-style-type: none"> • (-10...+120 °C) • Active • 150 mm • DC 0...10 V • IP42 	4011110
QAE2174.010	<ul style="list-style-type: none"> • (-10...+120 °C) • Active • 100 mm • 4...20 mA • IP54 	4011111
QAE2174.015	<ul style="list-style-type: none"> • (-10...+120 °C) • Active • 150 mm • 4...20 mA • IP54 	4011112



TEMPERATURE SENSORS		
		
Model	Description	Poz Nr.
QAE3010.010	<ul style="list-style-type: none"> • (-50...+200 °C) • 100 mm • PT100 • IP65 	4011113
QAE3010.016	<ul style="list-style-type: none"> • (-50...+200 °C) • 160 mm • PT100 • IP65 	4011114
QAE3075.010	<ul style="list-style-type: none"> • (0...+200 °C) • Active • 100 mm • 4...20 mA • IP65 	4011115
QAE3075.016	<ul style="list-style-type: none"> • (0...+200 °C) • Active • 160 mm • 4...20 mA • IP65 	4011116
QAE1020.024	<ul style="list-style-type: none"> • (-5...+105 °C) • 15...240 mm • LG-Ni1000 • IP64 	4011117
QAE26.9	<ul style="list-style-type: none"> • (-40...+180 °C) • 25...260 mm • LG-Ni1000 • IP64 	4011118
QAE26.90	<ul style="list-style-type: none"> • (-50...+180 °C) • 15...65 mm • LG-Ni1000 • IP64 	4011119
QAE26.91	<ul style="list-style-type: none"> • (-50...+180 °C) • 15...125 mm • LG-Ni1000 • IP64 	4011120
QAE26.93	<ul style="list-style-type: none"> • (-50...+180 °C) • 15...240 mm • LG-Ni1000 • IP64 	4011121
QAE26.95	<ul style="list-style-type: none"> • (-50...+180 °C) • 15...465 mm • LG-Ni1000 • IP64 	4011122
FT-TP/100	<ul style="list-style-type: none"> • (-100...+450 °C) • 100 mm • Pt100 • IP54 	4011123
FT-TP/400	<ul style="list-style-type: none"> • (-100...+450 °C) • 400 mm • Pt100 • IP54 	4011124
Description: Duct Temperature Sensor		



SYMARO SENSORS

SIEMENS

TEMPERATURE SENSORS



Model	Description	Poz Nr.
QAD2010	<ul style="list-style-type: none">• (-30...+130 °C)• Pt100• IP42	4011125
QAD2012	<ul style="list-style-type: none">• (-30...+130 °C)• Pt1000• IP42	4011126
QAD2030	<ul style="list-style-type: none">• (-30...+125 °C)• NTC 10K• IP42	4011127
QAD22	<ul style="list-style-type: none">• (-30...+130 °C)• LG-Ni1000• IP42	4011128

Description: Strap-on Temperature Sensors

SICAKLIK SENSÖRLERİ



Model	Description	Poz Nr.
QAC2010	<ul style="list-style-type: none">• (-50...+70 °C)• Pt100• IP54	4011129
QAC2012	<ul style="list-style-type: none">• (-50...+70 °C)• Pt1000• IP54	4011130
QAC2030	<ul style="list-style-type: none">• (-40...+70 °C)• NTC 10K• IP54	4011131
QAC3161	<ul style="list-style-type: none">• (-50...+50 °C)• Active• DC...10...10 V• IP65• AC 24 V• DC 13.5...35 V	4011132
QAC3171	<ul style="list-style-type: none">• (-50...+50 °C)• Active• 4...20 mA• IP65• DC 13.5...35 V	4011133
QAC22	<ul style="list-style-type: none">• (-50...+70 °C)• LG-Ni1000• IP54	4011134
QAC32	<ul style="list-style-type: none">• (-50...+70 °C)• NTC 575• IP54	4011135

Description: Outside Temperature Sensors

TEMPERATURE SENSORS



Model	Description	Poz Nr.
QAP1030.200	<ul style="list-style-type: none">• (-25...+95 °C)• 2000 mm• NTC 10K• IP65	4011136
QAP1030/UFH	<ul style="list-style-type: none">• (-20...+70 °C)• 4000 mm• NTC 3K• IP65	4011137
QAP2010.150	<ul style="list-style-type: none">• (-30...+130 °C)• 1500 mm• Pt100• IP65	4011138
QAP2012.150	<ul style="list-style-type: none">• (-30...+130 °C)• 1500 mm• Pt1000• IP65	4011139
QAP21.2	<ul style="list-style-type: none">• (-30...+180 °C)• 1500 mm• LG-Ni1000• IP67	4011140
QAP21.3	<ul style="list-style-type: none">• (-30...+130 °C)• 1500 mm• LG-Ni1000• IP65	4011141
QAP21.3/8000	<ul style="list-style-type: none">• (-30...+130 °C)• 8000 mm• LG-Ni1000• IP65	4011142
QAP22	<ul style="list-style-type: none">• (-25...+95 °C)• 2000 mm• LG-Ni1000• IP65	4011143
QAZ21.682/101	<ul style="list-style-type: none">• (-50...+80 °C)• 2000 mm• LG-Ni1000• IP67	4011144
QAZ21.685/101	<ul style="list-style-type: none">• (-50...+80 °C)• 5000 mm• LG-Ni1000• IP67	4011145
QAH11	<ul style="list-style-type: none">• (-20...+70 °C)• 2500 mm• NTC 3K Ohm	4011146
QAH11.1	<ul style="list-style-type: none">• (-20...+70 °C)• 2500 mm• NTC 3K Ohm	4011147
QAT22	<ul style="list-style-type: none">• (-10...+50 °C)• 1500 mm• LG-Ni1000• IP65	4011148

Description: Cable Temperature Sensors



BUILDING AUTOMATION DEVICES

SYMARO SENSORS

SIEMENS

TEMPERATURE SENSORS



Model	Description	Poz Nr.
AQE2102	• Compression Fitting with Threaded Nipple 1/2"	4011149
ALT-SB100	• Protection Pocket • L=100 mm • 1/2" • MS63 Nickel Plated • PN10	4011150
ALT-SB150	• Protection Pocket • L=150 mm • 1/2" • MS63 Nickel Plated • PN10	4011151
ALT-SB200	• Protection Pocket • L=200 mm • 1/2" • MS63 Nickel Plated • PN10	4011152
ALT-SS100	• Protection Pocket • L=100 mm • 1/2" • Stainless Steel V4A • PN16	4011154
ALT-SS150	• Protection Pocket • L=150 mm • 1/2" • Stainless Steel V4A • PN16	4011155
ALT-SS280	• Protection Pocket • L=280 mm • 1/2" • Stainless Steel V4A • PN16	4011156
ALT-SS450	• Protection Pocket • L=450 mm • 1/2" • Stainless Steel V4A • PN16	4011157
ALT-SSF100	• Protection Pocket • L=100 mm • 1/2" • Stainless Steel V4A • PN40	4011158
ALT-SSF150	• Protection Pocket • L=150 mm • 1/2" • Stainless Steel V4A • PN40	4011159
ALT-SSF200	• Protection Pocket • L=200 mm • 1/2" • Stainless Steel V4A • PN40	4011160
ALT-SSF280	• Protection Pocket • L=280 mm • 1/2" • Stainless Steel V4A • PN40	4011161

TEMPERATURE SENSORS



Model	Description	Poz Nr.
ALT-SSF450	• Protection Pocket • L=450 mm • 1/2" • Stainless Steel V4A • PN40	4011162
ALT-SSF600	• Protection Pocket • L=600 mm • 1/2" • Stainless Steel V4A • PN40	4011163
AQM63.0	• Mounting Flange • Adjustable Depth	4011164
AQM63.2	• 3 Capillary Supports and 3 Spacers for QAF.. Mounting	4011165
AQM63.3	• 6 Capillary Tube Clamps for QAF../QAM.. Mounting	4011166
ARG22.1	• Changeover Cable Holder for QAP..	4011167
ARG22.2	• Aluminium Bar Attachment for QAP..	4011168
ARG70	• Mounting Plate 120 x 120 mm for 4 x 4" Housing	4011169
ARG70.2	• Mounting Plate for Room Thermostats	4011170
ARG70.3	• Mounting Bracket 10 mm Thick	4011171
ARG86.3	• Changeover Cable Holder or QAH11..	4011173

Description: Accessories

**SYMARO SENSORS****SIEMENS****PRESSURE SENSORS**

Model	Description	Poz Nr.
QBM3020-1	<ul style="list-style-type: none"> • 0...100 Pa • DC 0...10 V • IP54 • AC 24 V • DC 13.5...33 V 	4011174
QBM3020-3	<ul style="list-style-type: none"> • 0...300 Pa • DC 0...10 V • IP54 • AC 24 V • DC 13.5...33 V 	4011175
QBM3020-5	<ul style="list-style-type: none"> • 0...500 Pa • DC 0...10 V • IP54 • AC 24 V • DC 13.5...33 V 	4011176
QBM3020-10	<ul style="list-style-type: none"> • 0...1000 Pa • DC 0...10 V • IP54 • AC 24 V • DC 13.5...33 V 	4011177
QBM3020-25	<ul style="list-style-type: none"> • 0...2500 Pa • DC 0...10 V • IP54 • AC 24 V • DC 13.5...33 V 	4011178
QBM3020-1U	<ul style="list-style-type: none"> • -50...+50 Pa • DC 0...10 V • IP54 • AC 24 V • DC 13.5...33 V 	4011179
QBM3020-1D	<ul style="list-style-type: none"> • 0...100 Pa • DC 0...10 V • With Display • IP54 • AC 24 V • DC 13.5...33 V 	4011180
QBM3020-3D	<ul style="list-style-type: none"> • 0...300 Pa • DC 0...10 V • With Display • IP54 • AC 24 V • DC 13.5...33 V 	4011181
QBM3020-5D	<ul style="list-style-type: none"> • 0...500 Pa • DC 0...10 V • With Display • IP54 • AC 24 V • DC 13.5...33 V 	4011182
QBM3020-10D	<ul style="list-style-type: none"> • 0...1000 Pa • DC 0...10 V • With Display • IP54 • AC 24 V • DC 13.5...33 V 	4011183

**PRESSURE SENSORS**

Model	Description	Poz Nr.
QBM3020-25D	<ul style="list-style-type: none"> • 0...2500 Pa • DC 0...10 V • With Display • IP54 • AC 24 V • DC 13.5...33 V 	4011184
QBM3460-3	<ul style="list-style-type: none"> • 0...300 Pa • DC 0...10 V • For VAV Applications • IP54 • AC 24 V • DC 13.5...33 V 	4011185
QBM4000-1	<ul style="list-style-type: none"> • 0...100 Pa • DC 0...10 V • IP54 • With Calibration Certificate 	4011186
QBM4000-3	<ul style="list-style-type: none"> • 0...300 Pa • DC 0...10 V • IP54 • With Calibration Certificate 	4011187
QBM4000-10	<ul style="list-style-type: none"> • 0...1000 Pa • DC 0...10 V • IP54 • With Calibration Certificate 	4011188
QBM4000-25	<ul style="list-style-type: none"> • 0...2500 Pa • DC 0...10 V • IP54 • With Calibration Certificate 	4011189
QBM4100-1U	<ul style="list-style-type: none"> • -50...+50 Pa • 4...20 mA • IP54 • With Calibration Certificate • DC 8...33 V 	4011190
QBM4100-1D	<ul style="list-style-type: none"> • 0...100 Pa • 4...20 mA • With Display • IP54 • With Calibration Certificate • DC 8...33V 	4011191
QBM2030-1U	<ul style="list-style-type: none"> • -50...+50 Pa • -100...+100 Pa • 0...100 Pa • DC 0...10V • IP42 • AC 24V • DC 13.5...33V 	4011192
QBM2030-5	<ul style="list-style-type: none"> • 0...200 Pa • 0...250 Pa • 0...500 Pa • DC 0...10V • IP42 • AC 24V • DC 13.5...33V 	4011193





BUILDING AUTOMATION DEVICES

SYMARO SENSORS

PRESSURE SENSORS



Model	Description	Poz Nr.
QBM2030-30	<ul style="list-style-type: none"> • 0...1000 Pa • 0...1500 Pa • 0...3000 Pa • DC 0...10 V • IP42 • AC 24 V • DC 13.5...33 V 	4011194

Description: Differential Pressure Sensors (Air)

PRESSURE SENSORS



Model	Description	Poz Nr.
QBM81-3	<ul style="list-style-type: none"> • 20...300 Pa • IP54 • With Set of 2 Air Duct Connectors (plastic) and 2 m Long PVC Tube • AC 24 V • DC 13.5...33 V 	4011195
QBM81-5	<ul style="list-style-type: none"> • 50...500 Pa • IP54 • With Set of 2 Air Duct Connectors (plastic) and 2 m Long PVC Tube • AC 24 V • DC 13.5...33 V 	4011196
QBM81-10	<ul style="list-style-type: none"> • 100...1000 Pa • IP54 • With Set of 2 Air Duct Connectors (plastic) and 2 m Long PVC Tube • AC 24 V • DC 13.5...33 V 	4011197
QBM81-20	<ul style="list-style-type: none"> • 500...2000 Pa • IP54 • With Set of 2 Air Duct Connectors (plastic) and 2 m Long PVC Tube • AC 24 V • DC 13.5...33 V 	4011198
QBM81-50	<ul style="list-style-type: none"> • 1000...5000 Pa • IP54 • With Set of 2 Air Duct Connectors (plastic) and 2 m Long PVC Tube • AC 24 V • DC 13.5...33 V 	4011199

Description: Differential Pressure Switches (Air)

SIEMENS

PRESSURE SENSORS



Model	Description	Poz Nr.
QBE2003-P1	<ul style="list-style-type: none"> • 0...1 bar • DC 0...10 V • IP65 • AC 24 V • DC 12...33 V 	4011200
QBE2003-P1.6	<ul style="list-style-type: none"> • 0...1,6 bar • DC 0...10 V • IP65 • AC 24 V • DC 12...33 V 	4011201
QBE2003-P2.5	<ul style="list-style-type: none"> • 0...2,5 bar • DC 0...10 V • IP65 • AC 24 V • DC 12...33 V 	4011202
QBE2003-P4	<ul style="list-style-type: none"> • 0...4 bar • DC 0...10 V • IP65 • AC 24 V • DC 12...33 V 	4011203
QBE2003-P6	<ul style="list-style-type: none"> • 0...6 bar • DC 0...10 V • IP65 • AC 24 V • DC 12...33 V 	4011204
QBE2003-P10	<ul style="list-style-type: none"> • 0...10 bar • DC 0...10 V • IP65 • AC 24 V • DC 12...33 V 	4011205
QBE2003-P16	<ul style="list-style-type: none"> • 0...16 bar • DC 0...10 V • IP65 • AC 24 V • DC 12...33 V 	4011206
QBE2003-P25	<ul style="list-style-type: none"> • 0...25 bar • DC 0...10 V • IP65 • AC 24 V • DC 12...33 V 	4011207
QBE2003-P40	<ul style="list-style-type: none"> • 0...40 bar • DC 0...10 V • IP65 • AC 24 V • DC 12...33 V 	4011208
QBE2003-P60	<ul style="list-style-type: none"> • 0...60 bar • DC 0...10 V • IP65 • AC 24 V • DC 12...33 V 	4011209
QBE2103-P1	<ul style="list-style-type: none"> • 0...1 bar • 4...20 mA • IP65 • AC 24 V • DC 12...33 V 	4011210



**SYMARO SENSORS****SIEMENS****PRESSURE SENSORS**

Model	Description	Poz Nr.
QBE2103-P1.6	<ul style="list-style-type: none"> • 0...1,6 bar • 4...20 mA • IP65 • DC 7...33 V 	4011211
QBE2103-P2.5	<ul style="list-style-type: none"> • 0...2,5 bar • 4...20 mA • IP65 • DC 7...33 V 	4011212
QBE2103-P4	<ul style="list-style-type: none"> • 0...4 bar • 4...20 mA • IP65 • DC 7...33 V 	4011213
QBE2103-P6	<ul style="list-style-type: none"> • 0...6 bar • 4...20 mA • IP65 • DC 7...33 V 	4011214
QBE2103-P10	<ul style="list-style-type: none"> • 0...10 bar • 4...20 mA • IP65 • DC 7...33 V 	4011215
QBE2103-P16	<ul style="list-style-type: none"> • 0...16 bar • 4...20 mA • IP65 • DC 7...33 V 	4011216
QBE2103-P25	<ul style="list-style-type: none"> • 0...25 bar • 4...20 mA • IP65 • DC 7...33 V 	4011217
QBE2103-P40	<ul style="list-style-type: none"> • 0...40 bar • 4...20 mA • IP65 • DC 7...33 V 	4011218
QBE2103-P60	<ul style="list-style-type: none"> • 0...60 bar • 4...20 mA • IP65 • DC 7...33 V 	4011219

Description: Pressure Sensors (For Neutral and Slightly Aggressive Liquids and Gases)

PRESSURE SENSORS

Model	Description	Poz Nr.
QBE2004-P10U	<ul style="list-style-type: none"> • -1...+9 bar • DC 0...10 V • IP67 • AC 24 V • DC 16...33 V 	4011220
QBE2004-P25U	<ul style="list-style-type: none"> • -1...+24 bar • DC 0...10 V • IP67 • AC 24 V • DC 16...33 V 	4011221
QBE2004-P30U	<ul style="list-style-type: none"> • -1...+29 bar • DC 0...10 V • IP67 • AC 24 V • DC 16...33 V 	4011222
QBE2004-P60U	<ul style="list-style-type: none"> • -1...+59 bar • DC 0...10V • IP67 • AC 24 V • DC 16...33 V 	4011223
QBE2104-P10U	<ul style="list-style-type: none"> • -1...+9 bar • 4...20 mA • IP67 • AC 24 V • DC 16...33 V 	4011224
QBE2104-P25U	<ul style="list-style-type: none"> • -1...+24 bar • 4...20 mA • IP67 • AC 24V • DC 16...33 V 	4011225
QBE2104-P30U	<ul style="list-style-type: none"> • -1...+29 bar • 4...20 mA • IP67 • AC 24 V • DC 16...33V 	4011226
QBE2104-P60U	<ul style="list-style-type: none"> • -1...+59 bar • 4...20 mA • IP67 • AC 24 V • DC 16...33V 	4011227

Description: Pressure Sensors (For Refrigerants)



BUILDING AUTOMATION DEVICES

SYMARO SENSORS

SIEMENS

PRESSURE SENSORS



Model	Description	Poz Nr.
QBE61.3-DP2	<ul style="list-style-type: none"> • 0...2 bar • DC 0...10 V • IP54 • AC 24 V • DC 18...33 V 	4011228
QBE61.3-DP5	<ul style="list-style-type: none"> • 0...5 bar • DC 0...10 V • IP54 • AC 24 V • DC 18...33 V 	4011229
QBE61.3-DP10	<ul style="list-style-type: none"> • 0...10 bar • DC 0...10 V • IP54 • AC 24 V • DC 18...33V 	4011230
QBE63-DP01	<ul style="list-style-type: none"> • 0...100 mbar • DC 0...10V • IP65 • AC 24V • DC 20...30 V 	4011231
QBE63-DP02	<ul style="list-style-type: none"> • 0...200 mbar • DC 0...10 V • IP65 • AC 24 V • DC 20...30 V 	4011232
QBE63-DP05	<ul style="list-style-type: none"> • 0...500 mbar • DC 0...10 V • IP65 • AC 24V • DC 20...30 V 	4011233
QBE63-DP1	<ul style="list-style-type: none"> • 0...1 bar • DC 0...10 V • IP65 • AC 24 V • DC 20...30 V 	4011234
QBE3000-D1	<ul style="list-style-type: none"> • 0...1 bar • DC 0...10 V • IP65 • AC 24 V • DC 18...33 V 	4011235
QBE3000-D1.6	<ul style="list-style-type: none"> • 0...1,6 bar • DC 0...10 V • IP65 • AC 24V • DC 18...33V 	4011236
QBE3000-D2.5	<ul style="list-style-type: none"> • 0...2,5 bar • DC 0...10V • IP65 • AC 24V • DC 18...33V 	4011237
QBE3000-D4	<ul style="list-style-type: none"> • 0...4 bar • DC 0...10V • IP65 • AC 24V • DC 18...33V 	4011238



PRESSURE SENSORS



Model	Description	Poz Nr.
QBE3000-D6	<ul style="list-style-type: none"> • 0...6 bar • DC 0...10 V • IP65 • AC 24 V • DC 18...33 V 	4011239
QBE3000-D10	<ul style="list-style-type: none"> • 0...10 bar • DC 0...10 V • IP65 • AC 24 V • DC 18...33 V 	4011240
QBE3000-D16	<ul style="list-style-type: none"> • 0...16 bar • DC 0...10 V • IP65 • AC 24 V • DC 18...33 V 	4011241
QBE3100-D1	<ul style="list-style-type: none"> • 0...1 bar • 4...20 mA • IP65 • DC 11...33 V 	4011242
QBE3100-D1.6	<ul style="list-style-type: none"> • 0...1,6 bar • 4...20 mA • IP65 • DC 11...33 V 	4011243
QBE3100-D2.5	<ul style="list-style-type: none"> • 0...2,5 bar • 4...20 mA • IP65 • DC 11...33 V 	4011244
QBE3100-D4	<ul style="list-style-type: none"> • 0...4 bar • 4...20 mA • IP65 • DC 11...33V 	4011245
QBE3100-D6	<ul style="list-style-type: none"> • 0...6 bar • 4...20 mA • IP65 • DC 11...33 V 	4011246
QBE3100-D10	<ul style="list-style-type: none"> • 0...10 bar • 4...20 mA • IP65 • DC 11...33 V 	4011247
QBE3100-D16	<ul style="list-style-type: none"> • 0...16 bar • 4...20 mA • IP65 • DC 11...33 V 	4011248

Description: Differential Pressure Sensors (For Liquids and Gases)



SYMARO SENSORS

SIEMENS

PRESSURE SENSORS



Model	Description	Poz Nr.
FK-PZ1	<ul style="list-style-type: none"> • 2 Pieces of Air Duct Probes (Nickel Plated Stainless Steel), • 2 Pieces of Rubber Seals 	4011249
FK-PZ2	<ul style="list-style-type: none"> • Set of 2 Duct Probes (Aluminium) With Orifice and 2 Mounting Flanges 	4011250
FK-PZ3	<ul style="list-style-type: none"> • Set of 2 Duct Probes (Plastic) and PVC Connecting Tube of 2 m. 	4011251

Description: Air Duct Mounting Kits

HUMIDITY SENSORS



Model	Description	Poz Nr.
QFA2000	<ul style="list-style-type: none"> • DC 0...10V • 0...95% (rh) • IP30 • AC 24V • DC 13.5...35V 	4011252
QFA2001	<ul style="list-style-type: none"> • 4...20 mA • 0...95% (rh) • IP30 • DC 13.5...35V 	4011253
QFA3100	<ul style="list-style-type: none"> • DC 0...10V • 0...100% (rh) • IP65/IP40 • AC 24V • DC 13.5...35V 	4011254
QFA3101	<ul style="list-style-type: none"> • 4...20 mA • 0...100% (rh) • IP65/IP40 • DC 13.5...35V 	4011255

Description: Room Type Humidity Sensors

HUMIDITY SENSORS



Model	Description	Poz Nr.
QFA2020	<ul style="list-style-type: none"> • DC 0...10V • 0...95% (rh) • LG-Ni1000 (Temperature) • IP30 • AC 24V • DC 13.5...35V 	4011256
QFA2060	<ul style="list-style-type: none"> • DC 0...10V • 0...95% (rh) • IP30 • AC 24V • DC 13.5...35V 	4011257
QFA2060D	<ul style="list-style-type: none"> • DC 0...10V • 0...95% (rh) • With Display • IP30 • AC 24V • DC 13.5...35V 	4011258





BUILDING AUTOMATION DEVICES

SYMARO SENSORS

HUMIDITY SENSORS



Model	Description	Poz Nr.
QFA2071	<ul style="list-style-type: none"> • 4...20 mA • 0...95% (rh) • IP30 • DC 13.5...35V 	4011259
QFA3160	<ul style="list-style-type: none"> • DC 0...10V • 0...100% (rh) • IP65/IP40 • AC 24V • DC 13.5...35V 	4011260
QFA3160D	<ul style="list-style-type: none"> • DC 0...10V • 0...100% (rh) • With Display • IP65/IP40 • AC 24V • DC 13.5...35V 	4011261
QFA3171	<ul style="list-style-type: none"> • 4...20 mA • 0...100% (rh) • With Display • IP65/IP40 • DC 13.5...35V 	4011262
QFA3171D	<ul style="list-style-type: none"> • 4...20 mA • 0...100% (rh) • With Display • IP65/IP40 • DC 13.5...35V 	4011263
QFA4160	<ul style="list-style-type: none"> • DC 0...10V • 0...100% (rh) • IP65/IP40 • AC 24V • DC 13.5...35V 	4011264
QFA4160D	<ul style="list-style-type: none"> • DC 0...10V • 0...100% (rh) • With Display • IP65/IP40 • AC 24V • DC 13.5...35V 	4011265
QFA4171	<ul style="list-style-type: none"> • 4...20 mA • 0...100% (rh) • IP65/IP40 • DC 13.5...35V 	4011266
QFA4171D	<ul style="list-style-type: none"> • 4...20 mA • 0...100% (rh) • With Display • IP65/IP40 • DC 13.5...35V 	4011267

Description: Room Type Sensor For Humidity & Temperature

SIEMENS

HUMIDITY SENSORS



Model	Description	Poz Nr.
QFM2100	<ul style="list-style-type: none"> • DC 0...10V • 0...95% (rh) • IP54 • AC 24V • DC 13.5...35V 	4011268
QFM2101	<ul style="list-style-type: none"> • 4...20 mA • 0...95% (rh) • IP54 • DC 13.5...35V 	4011269
QFM3100	<ul style="list-style-type: none"> • DC 0...10V • 0...100% (rh) • IP65 • AC 24V • DC 13.5...35V 	4011270
QFM3101	<ul style="list-style-type: none"> • 4...20 mA • 0...100% (rh) • IP65 • DC 13.5...35V 	4011271

Description: Duct Humidity Sensors



SYMARO SENSORS

SIEMENS

HUMIDITY SENSORS



Model	Description	Poz Nr.
QFM2120	<ul style="list-style-type: none"> DC 0...10V 0...95% (rh) LG-Ni1000 (Temperature) IP54 AC 24V DC 13.5...35V 	4011272
QFM2160	<ul style="list-style-type: none"> DC 0...10V 0...95% (rh) DC 0...10V IP54 AC 24V DC 13.5...35V 	4011273
QFM2171	<ul style="list-style-type: none"> 4...20 mA 0...95% (rh) 4...20 mA (Temperature) IP54 DC 13.5...35V 	4011274
QFM3160	<ul style="list-style-type: none"> DC 0...10V 0...100% (rh) DC 0...10V (Temperature) IP65 AC 24V DC 13.5...35V 	4011275
QFM3160D	<ul style="list-style-type: none"> DC 0...10V 0...100% (rh) With Display DC 0...10V (Temperature) IP65 AC 24V DC 13.5...35V 	4011276
QFM3171	<ul style="list-style-type: none"> 4...20 mA 0...100% (rh) 4...20 mA (Temperature) IP65 DC 13.5...35V 	4011277
QFM3171D	<ul style="list-style-type: none"> 4...20 mA 0...100% (rh) With Display 4...20 mA (Temperature) IP65 DC 13.5...35V 	4011278
QFM4160	<ul style="list-style-type: none"> DC 0...10V 0...100% (rh) IP65 DC 0...10V (Temperature) AC 24V DC 13.5...35V 	4011279
QFM4171	<ul style="list-style-type: none"> 4...20 mA 0...100% (rh) 4...20 mA (Temperature) IP65 DC 13.5...35V 	4011280

Description: Duct Humidity & Temperature Sensor

HUMIDITY SENSORS



Model	Description	Poz Nr.
QFA3100+AQF3100	<ul style="list-style-type: none"> DC 0...10V 0...100% (rh) IP65 AC 24V DC 13.5...35V 	4011281
QFA3101+AQF3100	<ul style="list-style-type: none"> 4...20 mA 0...100% (rh) IP65 DC 13.5...35V 	4011282

Description: Outside Humidity Sensors

HUMIDITY SENSORS



Model	Description	Poz Nr.
QFA3160+AQF3100	<ul style="list-style-type: none"> DC 0...10V 0...100% (rh) DC 0...10V (Temperature) IP65 AC 24V DC 13.5...35V 	4011283
QFA3171+AQF3100	<ul style="list-style-type: none"> 4...20 mA 0...100% (rh) 4...20 mA IP65 DC 13.5...35V 	4011284

Description: Outside Humidity & Temperature Sensors



BUILDING AUTOMATION DEVICES

SYMARO SENSORS

HUMIDITY SENSORS



Model	Description	Poz Nr.
QXA2100	<ul style="list-style-type: none"> • 0...95 +-4%(rh) • Relay Contact • IP40 • AC 24V • DC 24V 	4011285
QXA2101	<ul style="list-style-type: none"> • 0...95 +-4%(rh) • Relay Contact • With Remote Sensor Head • IP40 • AC 24V • DC 24V 	4011286

Description: Condensation Monitor

HUMIDITY SENSORS



Model	Description	Poz Nr.
QFA1000	<ul style="list-style-type: none"> • Setpoint Adjuster Inside Device • 30...90% (rh) • IP20 • AC 230V 	4011287
QFA1001	<ul style="list-style-type: none"> • External Setpoint Adjuster • 30...90% (rh) • IP20 • AC 230V 	4011288

Description: Room Type Hygrostats

HUMIDITY SENSORS



Model	Description	Poz Nr.
QFM81.2	<ul style="list-style-type: none"> • Duct Hygrostat • External Setpoint Adjuster • 15...95% (rh) • IP30 • AC 250V 	4011289
QFM81.21	<ul style="list-style-type: none"> • Duct Hygrostat • Setpoint Adjuster Inside Device • 15...95% (rh) • IP30 • AC 250V 	4011290

Description: Duct Hygrostats

SIEMENS

HUMIDITY SENSORS



Model	Description	Poz Nr.
AQF3100	• QFA31... Radiation Shield for Exterior Wall Mounting	4011291
AQF3101	• QFA31... Filter Cap for Humidity Sensor	4011292
AQF3150	• QFA31.. and QFM31.. Exchangeable Measuring Tip	4011293
AQF3153	• QFA31.. and QFM31.. Service Set	4011294
AQF4150	• QFA41... and QFM41.. Exchangeable Measuring Tip .With Calibration Certificate	4011295

**SYMARO SENSORS****SIEMENS****AIR QUALITY SENSORS**

Model	Description	Poz Nr.
QPA1000	<ul style="list-style-type: none"> VOC DC 0...5 V DC 0...10 V IP30 AC 24 V DC 15...35 V 	4011296
QPA2000	<ul style="list-style-type: none"> CO2 DC 0...5 V DC 0...10 V IP30 AC 24 V DC 15...35 V 	4011297
QPA2002	<ul style="list-style-type: none"> CO2+VOC DC 0...5 V DC 0...10 V IP30 AC 24 V DC 15...35V 	4011298
QPA2002D	<ul style="list-style-type: none"> CO2+VOC DC 0...5 V DC 0...10 V IP30 AC 24 V DC 15...35 V With Display 	4011299
QPA2060	<ul style="list-style-type: none"> CO2+Temperature DC 0...5 V DC 0...10 V IP30 AC 24 V DC 15...35 V 	4011300
QPA2060D	<ul style="list-style-type: none"> CO2+Temperature DC 0...5 V DC 0...10 V IP30 AC 24 V DC 15...35 V With Display 	4011301
QPA2062	<ul style="list-style-type: none"> CO2+Temperature+Humidity DC 0...5 V DC 0...10 V IP30 AC 24 V DC 15...35 V 	4011302
QPA2062D	<ul style="list-style-type: none"> CO2+Temperature+Humidity DC 0...5 V DC 0...10 V IP30 AC 24 V DC 15...35 V With Display 	4011303

**AIR QUALITY SENSORS**

Model	Description	Poz Nr.
QPA2080	<ul style="list-style-type: none"> CO2+Temperature DC 0...5 V DC 0...10 V IP30 AC 24 V DC 15...35 V LG-Ni1000 Pt1000 Pt100 NTC10k 	4011304
QPA2080D	<ul style="list-style-type: none"> CO2+Temperature DC 0...5 V DC 0...10 V IP30 AC 24 V DC 15...35 V LG-Ni1000 Pt1000 Pt100 NTC10k With Display 	4011305
QPA84	<ul style="list-style-type: none"> Indoor Air Quality Controller With Integrated VOC On/Off IP30 AC 230 V 	4011306

Description: Room Air Quality Sensors



BUILDING AUTOMATION DEVICES

SYMARO SENSORS

AIR QUALITY SENSORS



Model	Description	Poz Nr.
QPM1100	<ul style="list-style-type: none"> VOC DC 0...5 V DC 0...10 V IP54 AC 24 V DC 15...35 V 	4011307
QPM2100	<ul style="list-style-type: none"> CO₂ DC 0...5 V DC 0...10 V IP54 AC 24 V DC 15...35 V 	4011308
QPM2102	<ul style="list-style-type: none"> CO₂+VOC DC 0...5 V DC 0...10 V IP54 AC 24 V DC 15...35 V 	4011309
QPM2102D	<ul style="list-style-type: none"> CO₂+VOC DC 0...5 V DC 0...10 V IP54 AC 24 V DC 15...35 V With Display 	4011310
QPM2160	<ul style="list-style-type: none"> CO₂+Temperature DC 0...5 V DC 0...10 V IP54 AC 24 V DC 15...35 V 	4011311
QPM2160D	<ul style="list-style-type: none"> CO₂+Temperature DC 0...5 V DC 0...10 V IP54 AC 24 V DC 15...35 V With Display 	4011312
QPM2162	<ul style="list-style-type: none"> CO₂+Temperature+Humidity DC 0...5 V DC 0...10 V IP54 AC 24 V DC 15...35 V 	4011313
QPM2162D	<ul style="list-style-type: none"> CO₂+Temperature+Humidity DC 0...5 V DC 0...10 V IP54 AC 24 V DC 15...35 V With Display 	4011314
QPM2180	<ul style="list-style-type: none"> CO₂+Temperature DC 0...5 V DC 0...10 V IP54 AC 24 V DC 15...35 V LG-Ni1000 Pt1000 Pt100 NTC10k 	4011315

Description: Duct Air Quality Sensors

SIEMENS

FLOW SWITCHES



Model	Description	Poz Nr.
QVE1900	<ul style="list-style-type: none"> PN10 DN32-200 IP65 250 VAC 	4011316
QVE1901	<ul style="list-style-type: none"> PN25 DN20-200 IP65 230 VAC 48 VDC 	4011317
QVE1902.010	<ul style="list-style-type: none"> DN10 PN10 IP65 AC 230 V DC 48 V 	4011318
QVE1902.015	<ul style="list-style-type: none"> DN15 PN10 IP65 AC 230 V DC 48 V 	4011319
QVE1902.020	<ul style="list-style-type: none"> DN20 PN10 IP65 AC 230 V DC 48 V 	4011320
QVE1902.025	<ul style="list-style-type: none"> DN25 PN10 IP65 AC 230 V DC 48 V 	4011321

Description: Flow Switches for Liquids and Gases

**SYMARO SENSORS****SIEMENS****FLOW SWITCHES**

Model	Description	Poz Nr.
QVE2000.010	• DN10 • DC 0...10V • IP65 • DC 11.5...33V	4011322
QVE2000.015	• DN15 • DC 0...10V • IP65 • DC 11.5...33V	4011323
QVE2000.020	• DN20 • DC 0...10V • IP65 • DC 11.5...33V	4011324
QVE2000.025	• DN25 • DC 0...10V • IP65 • DC 11.5...33V	4011325
QVE2100.010	• DN10 • 4...20 mA • IP65 • DC 18...33V	4011326
QVE2100.015	• DN15 • 4...20 mA • IP65 • DC 18...33V	4011327
QVE2100.020	• DN20 • 4...20 mA • IP65 • DC 18...33V	4011328
QVE2100.025	• DN25 • 4...20 mA • IP65 • DC 18...33V	4011329
QVE3000.010	• DN10 • DC 0...10 V • IP65 • DC 11.5...33V	4011330
QVE3000.015	• DN15 • DC 0...10 V • IP65 • DC 11.5...33V	4011331
QVE3000.020	• DN20 • DC 0...10 V • IP65 • DC 11.5...33V	4011332
QVE3000.025	• DN25 • DC 0...10 V • IP65 • DC 11.5...33V	4011333
QVE3001	• Flow Sensor for Gases	4011334
QVE3100.010	• DN10 • 4...20 mA • IP65 • DC 18...33V	4011335

**FLOW SWITCHES**

Model	Description	Poz Nr.
QVE3100.015	• DN15 • 4...20 mA • IP65 • DC 18...33V	4011336
QVE3100.020	• DN20 • 4...20 mA • IP65 • DC 18...33V	4011337
QVE3100.025	• DN25 • 4...20 mA • IP65 • DC 18...33V	4011338

Description: Flow Sensors for Liquids and Gases

FLOW SWITCHES

Model	Description	Poz Nr.
QVM62.1	• DC 0...10 V • DC 4...20 mA • 0...10 m/s • 0...15 m/s • 0...5 m/s • IP42 • AC/DC 24 V	4011339

Description: Duct Sensor for Air Velocity

OTHER SENSORS

Model	Description	Poz Nr.
FGT-PT1000	• Flue Gas Temperature Sensor • -20...+400°C • Pt1000 • 1,50 m Cable Length	4011340
QLS60	• Solar Sensor • DC 0...10V • 4...20 mA • IP65 • AC 24V • DC 18...30V	4011341



BUILDING AUTOMATION DEVICES

OPENAIR DAMPER ACTUATORS

SIEMENS

ROTARY DAMPER ACTUATORS



Model	Description	Poz Nr.
GQD121.1A	<ul style="list-style-type: none"> On-Off 30/15 s. IP40 AC/DC 24 V 	4011342
GQD126.1A	<ul style="list-style-type: none"> On-Off 30/15 s. IP40 AC/DC 24 V With Double Auxiliary Switch 	4011343
GQD131.1A	<ul style="list-style-type: none"> 3 position 30/15 s. IP40 AC/DC 24 V 	4011344
GQD136.1A	<ul style="list-style-type: none"> 3 position 30/15 s. IP40 AC/DC 24 V With Double Auxiliary Switch 	4011345
GQD161.1A	<ul style="list-style-type: none"> DC 0...10 V 30/15 s. IP40 AC/DC 24 V 	4011346
GQD166.1A	<ul style="list-style-type: none"> DC 0...10 V 30/15 s. IP40 AC/DC 24 V With Double Auxiliary Switch 	4011347

Description: 24V Spring Return Function, 2 Nm Torque (0,3 m²)

ROTARY DAMPER ACTUATORS



Model	Description	Poz Nr.
GNP191.1E	<ul style="list-style-type: none"> On-Off 3 position DC 0(2)...10 V 0(4)...20mA 2/2 s. IP54 AC/DC 24 V 	4011350
GNP196.1E	<ul style="list-style-type: none"> On-Off 3 position DC 0(2)...10 V 0(4)...20mA 2/2 s. IP54 AC/DC 24 V With Double Auxiliary Switch 	4011351

Description: 24V Spring Return Function, 6 Nm Torque (1 m²)

ROTARY DAMPER ACTUATORS



Model	Description	Poz Nr.
GQD321.1A	<ul style="list-style-type: none"> On-Off 30/15 s. IP40 AC 230V 	4011348
GQD326.1A	<ul style="list-style-type: none"> On-Off 30/15 s. IP40 AC 230V With Double Auxiliary Switch 	4011349

Description: 230V Spring Return Function, 2 Nm Torque (0,3 m²)



OPENAIR DAMPER ACTUATORS

SIEMENS

ROTARY DAMPER ACTUATORS



Model	Description	Poz Nr.
GMA121.1E	<ul style="list-style-type: none"> • On-Off • 90/15 s. • IP54 • AC/DV 24 V 	4011352
GMA126.1E	<ul style="list-style-type: none"> • On-Off • 90/15 s. • IP54 • AC/DV 24 V • With Double Auxiliary Switch 	4011353
GMA131.1E	<ul style="list-style-type: none"> • 3 position • 90/15 s. • IP54 • AC/DV 24 V 	4011354
GMA136.1E	<ul style="list-style-type: none"> • 3 position • 90/15 s. • IP54 • AC/DV 24 V • With Double Auxiliary Switch 	4011356
GMA161.1E	<ul style="list-style-type: none"> • DC 0...10 V • 90/15 s. • IP54 • AC/DV 24 V 	4011357
GMA163.1E	<ul style="list-style-type: none"> • DC 0...35 V • 90/15 s. • IP54 • AC/DV 24 V • Adjustable Start/Span 	4011358
GMA164.1E	<ul style="list-style-type: none"> • DC 0...35 V • 90/15 s. • IP54 • AC/DV 24 V • With Double Auxiliary Switch • Adjustable Start/Span 	4011359
GMA166.1E	<ul style="list-style-type: none"> • DC 0...10 V • 90/15 s. • IP54 • AC/DV 24 V • With Double Auxiliary Switch 	4011360

Description: 24V Spring Return Function, 7 Nm Torque (1,5 m²) Damper Actuators.

ROTARY DAMPER ACTUATORS



Model	Description	Poz Nr.
GMA321.1E	<ul style="list-style-type: none"> • On-Off • 90/15 s. • IP54 • AC 230 V 	4011361
GMA326.1E	<ul style="list-style-type: none"> • On-Off • 90/15 s. • IP54 • AC 230 V • With Double Auxiliary Switch 	4011362

Description: 24V Spring Return Function, 7 Nm Torque (1,5 m²) Damper Actuators.



BUILDING AUTOMATION DEVICES

OPENAIR DAMPER ACTUATORS

SIEMENS

ROTARY DAMPER ACTUATORS



Model	Description	Poz Nr.
GCA121.1E	<ul style="list-style-type: none"> On-Off 90/15 s. IP54 AC/DC 24 V 	4011363
GCA126.1E	<ul style="list-style-type: none"> On-Off 90/15 s. IP54 AC/DC 24 V With Double Auxiliary Switch 	4011364
GCA131.1E	<ul style="list-style-type: none"> 3 position 90/15 s. IP54 AC/DC 24 V 	4011365
GCA135.1E	<ul style="list-style-type: none"> 3 position 90/15 s. IP54 AC/DC 24 V With Double Auxiliary Switch Feedback Potentiometer (1 kOhm) 	4011366
GCA161.1E	<ul style="list-style-type: none"> DC 0...10 V 90/15 s. IP54 AC/DC 24 V 	4011367
GCA163.1E	<ul style="list-style-type: none"> DC 0...35 V 90/15 s. IP54 AC/DC 24 V Adjustable Start/Span 	4011368
GCA164.1E	<ul style="list-style-type: none"> DC 0...35 V 90/15 s. IP54 AC/DC 24 V With Double Auxiliary Switch Adjustable Start/Span 	4011369
GCA166.1E	<ul style="list-style-type: none"> DC 0...10 V 90/15 s. IP54 AC/DC 24 V With Double Auxiliary Switch 	4011370

Description: 24V Spring Return Function, 18 Nm Torque (3,0 m²) Damper Actuators

ROTARY DAMPER ACTUATORS



Model	Description	Poz Nr.
GCA321.1E	<ul style="list-style-type: none"> On-Off 90/15 s. IP54 AC 230 V 	4011371
GCA326.1E	<ul style="list-style-type: none"> On-Off 90/15 s. IP54 AC 230 V With Double Auxiliary Switch 	4011372

Açıklama: 24V Spring Return Function, 18 Nm Torque (3,0 m²) Damper Actuators

ROTARY DAMPER ACTUATORS



Model	Description	Poz Nr.
GSD141.1A	<ul style="list-style-type: none"> On-Off 3 position 30 s. IP54 AC 24 V/DC 24...48 V 	4011375
GSD146.1A	<ul style="list-style-type: none"> On-Off 3 position 30 s. IP54 AC 24 V/DC 24...48 V With Double Auxiliary Switch 	4011376
GSD161.1A	<ul style="list-style-type: none"> DC 0/2...10V 30 s. IP54 AC 24 V/DC 24...48 V With Double Auxiliary Switch 	4011377
GSD166.1A	<ul style="list-style-type: none"> DC 0/2...10V 30 s. IP54 AC 24 V/DC 24...48 V With Double Auxiliary Switch 	4011378

Description: 24V Spring Return Function, 2 Nm Torque (0,3 m²) Damper Actuators



OPENAIR DAMPER ACTUATORS

SIEMENS

ROTARY DAMPER ACTUATORS



Model	Description	Poz Nr.
GSD341.1A	<ul style="list-style-type: none"> On-Off 3 position 30 s. IP54 AC 100...240 V 	4011381
GSD346.1A	<ul style="list-style-type: none"> On-Off 3 position 30 s. IP54 AC 100...240 V With Double Auxiliary Switch 	4011382
GSD361.1A	<ul style="list-style-type: none"> DC 0/2...10 V 30 s. IP54 AC 100...240 V 	4011383

Description: 24V Spring Return Function, 2Nm Torque (0,3 m²) Damper Actuators

ROTARY DAMPER ACTUATORS



Model	Description	Poz Nr.
GDB141.1E	<ul style="list-style-type: none"> On-Off 3 position 150 sn IP54 AC 24 V / DC 24...48 V With Double Auxiliary Switch 	4011387
GDB142.1E	<ul style="list-style-type: none"> On-Off 3 position 150 s. IP54 AC 24 V / DC 24...48 V Feedback Potentiometer (5 kOhm) 	4011388
GDB146.1E	<ul style="list-style-type: none"> On-Off 3 position 150 s. IP54 AC 24 V / DC 24...48 V With Double Auxiliary Switch 	4011389
GDB161.1E	<ul style="list-style-type: none"> DC 0/2...10 V 150 s. IP54 AC 24 V / DC 24...48 V 	4011390
GDB163.1E	<ul style="list-style-type: none"> DC 0...35 V 150 s. IP54 AC 24 V / DC 24...48 V Adjustable Start/Span 	4011391
GDB164.1E	<ul style="list-style-type: none"> DC 0...35 V 150 s. IP54 AC 24 V / DC 24...48 V With Double Auxiliary Switch Adjustable Start/Span 	4011392
GDB166.1E	<ul style="list-style-type: none"> DC 0/2...10 V 150 s. IP54 AC 24 V / DC 24...48 V With Double Auxiliary Switch 	4011393

Description: 24V Spring Return Function, 5Nm Torque (0,8 m²) Damper Actuators



ROTARY DAMPER ACTUATORS



Model	Description	Poz Nr.
GDB341.1E	<ul style="list-style-type: none"> • On-Off • 3 position • 150 s. • IP54 • AC 100...240V 	4011397
GDB346.1E	<ul style="list-style-type: none"> • On-Off • 3 position • 150 s. • IP54 • AC 100...240V • Feedback Potentiometer (5 kOhm) 	4011398
GDB361.1E	<ul style="list-style-type: none"> • DC 0/2...10V • 3 position • 150 s. • IP54 • AC 100...240V • With Double Auxiliary Switch 	4011399
Description: 230V. Spring Return Function, 5Nm Torque (0,8 m ²) Damper Actuators		

ROTARY DAMPER ACTUATORS



Model	Description	Poz Nr.
GLB141.1E	<ul style="list-style-type: none"> • On-Off • 3 position • 150 s. • IP54 • AC 24 V / DC 24...48 V 	4011403
GLB142.1E	<ul style="list-style-type: none"> • On-Off • 3 position • 150 s. • IP54 • AC 24 V / DC 24...48 V • Feedback Potentiometer (1 kOhm) 	4011404
GLB146.1E	<ul style="list-style-type: none"> • On-Off • 3 position • 150 s. • IP54 • AC 24 V / DC 24...48 V • With Double Auxiliary Switch 	4011405
GLB161.1E	<ul style="list-style-type: none"> • DC 0/2...10 V • 150 s. • IP54 • AC 24 V / DC 24...48 V 	4011406
GLB163.1E	<ul style="list-style-type: none"> • DC 0...35V • 150 s. • IP54 • AC 24 V / DC 24...48 V • Adjustable Start/Span 	4011407
GLB164.1E	<ul style="list-style-type: none"> • DC 0...35V • 150 s. • IP54 • AC 24 V / DC 24...48 V • With Double Auxiliary Switch • Adjustable Start/Span 	4011408
GLB166.1E	<ul style="list-style-type: none"> • DC 0/2...10 V • 150 s. • IP54 • AC 24 V / DC 24...48 V • With Double Auxiliary Switch 	4011409
Description: 24V Spring Return Function, 10 Nm Torque (1,5 m ²) Damper Actuators		



OPENAIR DAMPER ACTUATORS

SIEMENS

ROTARY DAMPER ACTUATORS



Model	Description	Poz Nr.
GLB341.1E	<ul style="list-style-type: none"> On-Off 3 position 150 s. IP54 AC 100...240 V 	4011413
GLB346.1E	<ul style="list-style-type: none"> On-Off 3 position 150 s. IP54 AC 100...240 V Feedback Potentiometer (5 kOhm) 	4011414
GLB361.1E	<ul style="list-style-type: none"> DC 0/2...10 V 150 s. IP54 AC 100...240 V With Double Auxiliary Switch 	4011415

Description: 230V Spring Return Function, 10Nm Torque (1,5 m²) Damper Actuators

ROTARY DAMPER ACTUATORS



Model	Description	Poz Nr.
GAP191.1E	<ul style="list-style-type: none"> DC 0/2...10 V On/Off 3 position 0(4)...20 mA 2 s. IP54 AC/DC 24 V 	4011416
GAP196.1E	<ul style="list-style-type: none"> DC 0/2...10 V On/Off 3 position 0(4)...20 mA 2 s. IP54 AC/DC 24 V With Double Auxiliary Switch 	4011417

Description: 24V Spring Return Function, 6 Nm Torque (1 m²)

ROTARY DAMPER ACTUATORS




Model	Description	Poz Nr.
GEB141.1E	<ul style="list-style-type: none"> On-off or 3-Position control 150 sec IP54 AC/DC 24 V 	4011418
GEB142.1E	<ul style="list-style-type: none"> On-off or 3-Position control 150 sec IP54 AC/DC 24 V Feedback Potentiometer (5 kOhm) 	4011419
GEB146.1E	<ul style="list-style-type: none"> On-off or 3-Position control 150 sec IP54 AC/DC 24 V Double Auxiliary Switch (kOhm) 	4011420
GEB161.1E	<ul style="list-style-type: none"> DC 0 (2)...10V 150 s. IP54 AC 24 V 	4011421
GEB163.1E	<ul style="list-style-type: none"> DC 0...10 V DC 0...35 V 150 s. IP54 AC 24 V Adjustable Start/Span 	4011422
GEB164.1E	<ul style="list-style-type: none"> DC 0...10 V DC 0...35 V 150 s. IP54 AC 24V With Auxiliary Switch Adjustable Start/Span 	4011423
GEB166.1E	<ul style="list-style-type: none"> DC 0(2)...10 V 150 s. IP54 AC 24 V With Double Auxiliary Switch 	4011424


Description: 24V, 20 Nm Torque (4,0 m²) Damper Actuators



OPENAIR DAMPER ACTUATORS

SIEMENS

ROTARY DAMPER ACTUATORS		
		
Model	Description	Poz Nr.
GEB341.1E	<ul style="list-style-type: none"> • On-off or 3-Positon • 150 sec. • IP54 • AC 230 V 	4011425
GEB346.1E	<ul style="list-style-type: none"> • On-off or 3-Positon • 150 sec. • IP54 • AC 230 V • With Double Auxiliary Switch 	4011427
Description: 230V, 20 Nm Torque (4,0 m2) Damper Actuators		

ROTARY DAMPER ACTUATORS		
		
Model	Description	Poz Nr.
GBB131.1E	<ul style="list-style-type: none"> • 3 position • 150 s. • IP54 • AC 24 V 	4011428
GBB135.1E	<ul style="list-style-type: none"> • 3 position • 150 s. • IP54 • AC 24 V • Feedback Potentiometer (1 kOhm) 	4011429
GBB136.1E	<ul style="list-style-type: none"> • 3 position • 150 s. • IP54 • AC 24 V • With Double Auxiliary Switch 	4011430
GBB161.1E	<ul style="list-style-type: none"> • DC 0...10 V • 150 s. • IP54 • AC 24V 	4011431
GBB163.1E	<ul style="list-style-type: none"> • DC 0...10 V • DC 0...35 V • 150 s. • IP54 • AC 24 V • Adjustable Start/Span 	4011432
GBB164.1E	<ul style="list-style-type: none"> • DC 0...10 V • DC 0...35 V • 150 s. • IP54 • AC 24 V • With Double Auxiliary Switch • Adjustable Start/Span 	4011433
GBB166.1E	<ul style="list-style-type: none"> • DC 0...10 V • 150 s. • IP54 • AC 24 V • With Double Auxiliary Switch 	4011434
Description: 24V Spring Return Function, 15 Nm Torque (4,0 m ²) Damper Actuators		



OPENAIR DAMPER ACTUATORS

SIEMENS

ROTARY DAMPER ACTUATORS



Model	Description	Poz Nr.
GBB331.1E	<ul style="list-style-type: none">• 3 position• 150 s.• IP54• AC 230 V	4011435
GBB335.1E	<ul style="list-style-type: none">• 3 position• 150 s.• IP54• AC 230 V• Feedback Potentiometer (1 kOhm)	4011436
GBB336.1E	<ul style="list-style-type: none">• 3 position• 150 s.• IP54• AC 230 V• With Double Auxiliary Switch	4011437

Description: 230V Spring Return Function, 25 Nm Torque(4,0 m²) Damper Actuators

ROTARY DAMPER ACTUATORS



Model	Description	Poz Nr.
GIB131.1E	<ul style="list-style-type: none">• 3 position• 150 s.• IP54• AC 24 V	4011438
GIB135.1E	<ul style="list-style-type: none">• 3 position• 150 s.• IP54• AC 24 V• Feedback Potentiometer (1 kOhm)	4011439
GIB136.1E	<ul style="list-style-type: none">• 3 position• 150 s.• IP54• AC 24 V• With Double Auxiliary Switch	4011440
GIB161.1E	<ul style="list-style-type: none">• DC 0...10V• 150 s.• IP54• AC 24 V	4011441
GIB163.1E	<ul style="list-style-type: none">• DC 0...10 V• DC 0...35 V• 150 s.• IP54• AC 24 V• Adjustable Start/Span	4011442
GIB164.1E	<ul style="list-style-type: none">• DC 0...10 V• DC 0...35 V• 150 s.• IP54• AC 24 V• With Double Auxiliary Switch• Adjustable Start/Span	4011443
GIB166.1E	<ul style="list-style-type: none">• DC 0...10 V• 150 s.• IP54• AC 24 V• With Double Auxiliary Switch	4011444

Description: 24V Spring Return Function, 35 Nm Torque (6,0 m²) Damper Actuators



BUILDING AUTOMATION DEVICES

OPENAIR DAMPER ACTUATORS

SIEMENS

ROTARY DAMPER ACTUATORS



Model	Description	Poz Nr.
GIB331.1E	<ul style="list-style-type: none"> • 3 position • 150 s. • IP54 • AC 230 V 	4011445
GIB335.1E	<ul style="list-style-type: none"> • 3 position • 150 s. • IP54 • AC 230 V • Feedback Potentiometer (1 kOhm) 	4011446
GIB336.1E	<ul style="list-style-type: none"> • 3 position • 150 s. • IP54 • AC 230 V • With Double Auxiliary Switch 	4011447

Description: 24V Spring Return Function, 35 Nm Torque (6,0 m²) Damper Actuators

LINEAR DAMPER ACTUATORS



Model	Description	Poz Nr.
GDB131.2E	<ul style="list-style-type: none"> • 3 position • 150 s. • IP54 • AC 24 V 	4011448
GDB161.2E	<ul style="list-style-type: none"> • DC 0...10V • 150 s. • IP54 • AC 24 V 	4011450
GDB163.2E	<ul style="list-style-type: none"> • DC 0...35 V • 150 s. • IP54 • AC 24 V • Adjustable Start/Span 	4011451

Description: 24V Spring Return Function, 125 Nm Torque (0,8 m²) Damper Actuators

LINEAR DAMPER ACTUATORS



Model	Description	Poz Nr.
GDB331.2E	<ul style="list-style-type: none"> • 3 position • 150 s. • IP54 • AC 230V 	4011452
GDB336.2E	<ul style="list-style-type: none"> • 3 position • 150 s. • IP54 • AC 230V • With Double Auxiliary Switch 	4011453

Description: 24V Spring Return Function, 125 Nm Torque (0,8 m²) Damper Actuators



OPENAIR DAMPER ACTUATORS

SIEMENS

LINEAR DAMPER ACTUATORS



Model	Description	Poz Nr.
GLB131.2E	<ul style="list-style-type: none"> • 3 position • 150 s. • IP54 • AC 24 V 	4011454
GLB136.2E	<ul style="list-style-type: none"> • 3 position • 150 s. • IP54 • AC 24 V • With Double Auxiliary Switch 	4011455
GLB161.2E	<ul style="list-style-type: none"> • DC 0...10 V • 150 s. • IP54 • AC 24 V 	4011456
GLB163.2E	<ul style="list-style-type: none"> • DC 0...35 V • 150 s. • IP54 • AC 24 V • Adjustable Start/Span 	4011457

Description: 24V Spring Return Function, 250 Nm Torque (1,5 m²) Damper Actuators

LINEAR DAMPER ACTUATORS



Model	Description	Poz Nr.
GLB331.2E	<ul style="list-style-type: none"> • 3 position • 150 s. • IP54 • AC 230V 	4011458
GLB336.2E	<ul style="list-style-type: none"> • 3 position • 150 s. • IP54 • AC 230V • With Double Auxiliary Switch 	4011459

Description: 230V, 250 N Force (1,5 m²) Damper Actuators

VAV DAMPER ACTUATORS



Model	Description	Poz Nr.
GDB181.1E/3	<ul style="list-style-type: none"> • DC 0...10V • DC 2...10V • 3 position • AC 24 V • 5 Nm • 150 s. • 300 Pa • 0,8 m² 	4011460
GDB181.1E/KN	<ul style="list-style-type: none"> • AC 24 V • 5 Nm • 150 s. • 300 Pa • 0,8 m² • KNX S-Mode • KNX LTE - Mode • KNX PL-Link Communications 	4011461
GDB181.1E/MO	<ul style="list-style-type: none"> • AC 24 V • 5 Nm • 150 s. • 300 Pa • 0,8 m² • Modbus RTU Communications 	4011462
GDB181.1E/BA	<ul style="list-style-type: none"> • AC 24 V • 5 Nm • 150 s. • 300 Pa • 0,8 m² • BACnet MS/TP Communications 	4011463
GLB181.1E/3	<ul style="list-style-type: none"> • DC 0...10V • DC 2...10V • 3 position • 24 V • 10Nm • 150 s. • 300 Pa • 1,5 m² 	4011464
GLB181.1E/KN	<ul style="list-style-type: none"> • AC 24 V • 10 Nm • 150 s. • 300 Pa • 1,5 m² • KNX S-Mode • KNX LTE - Mode • KNX PL-Link Communications 	4011465
GLB181.1E/MO	<ul style="list-style-type: none"> • AC 24 V • 10 Nm • 150 s. • 300 Pa • 1,5 m² • Modbus RTU Communications 	4011466





BUILDING AUTOMATION DEVICES

OPENAIR DAMPER ACTUATORS

SIEMENS

VAV DAMPER ACTUATORS



Model	Description	Poz Nr.
GLB181.1E/BA	<ul style="list-style-type: none"> • AC 24 V • 10 Nm • 150 s. • 300 Pa • 1,5 m² • BACnet MS/TP Communications 	4011467
ASV181.1E/3	<ul style="list-style-type: none"> • DC 0...10V • DC 2...10V • 3 position • AC 24 V • 10 Nm • 150 s. • 300 Pa • 1,5 m² 	4011468

Description: VAV Compact Controller, 24V, AC 24 V

FIRE PROTECTION DAMPER ACTUATORS



Model	Description	Poz Nr.
GRA126.1E/T10	<ul style="list-style-type: none"> • 10x10 mm Shaft • IP54 • 72°C 	4011469
GRA126.1E/T12	<ul style="list-style-type: none"> • 12x12 mm Shaft • IP54 • 72°C 	4011470

Description: 24V AC/ 24...48V DC, Spring Return Function, 4 Nm (0,6 m²), With Thermosensor

FIRE PROTECTION DAMPER ACTUATORS



Model	Description	Poz Nr.
GRA326.1E/T10	<ul style="list-style-type: none"> • 10x10 mm Shaft • IP54 • 72°C 	4011471
GRA326.1E/T12	<ul style="list-style-type: none"> • 12x12 mm Shaft • IP54 • 72°C 	4011472

Açıklama: 230V AC Spring Return Function, 4 Nm (0,6 m²), With Thermosensor

FIRE PROTECTION DAMPER ACTUATORS



Model	Description	Poz Nr.
GRA126.1E/10	<ul style="list-style-type: none"> • 10x10 mm Shaft • IP54 	4011473
GRA126.1E/12	<ul style="list-style-type: none"> • 12x12 mm Shaft • IP54 	4011474

Description: 24V AC/ 24...48V DC Spring Return Function, 4 Nm (0,6 m²)



OPENAIR DAMPER ACTUATORS

SIEMENS

FIRE PROTECTION DAMPER ACTUATORS



Model	Description	Poz Nr.
GRA326.1E/10	<ul style="list-style-type: none"> • 10x10 mm Shaft • IP54 	4011475
GRA326.1E/12	<ul style="list-style-type: none"> • 12x12 mm Shaft • IP54 	4011476

Description: 230V AC Spring Return Function, 4 Nm (0,6 m²),

FIRE PROTECTION DAMPER ACTUATORS



Model	Description	Poz Nr.
GNA126.1E/T10	<ul style="list-style-type: none"> • 10x10 mm Shaft • 72°C 	4011477
GNA126.1E/T12	<ul style="list-style-type: none"> • 12x12 mm Shaft • 72°C 	4011478
GNA126.1E/H12	<ul style="list-style-type: none"> • 12x12 mm Shaft • 95°C 	4011479

Description: 24V AC/DC Spring Return Function, 9 Nm (1,5 m²)

FIRE PROTECTION DAMPER ACTUATORS



Model	Description	Poz Nr.
GNA326.1E/T10	<ul style="list-style-type: none"> • 10x10 mm Shaft • 72°C 	4011480
GNA326.1E/T12	<ul style="list-style-type: none"> • 12x12 mm Shaft • 72°C 	4011481

Description: 230V Spring Return Function, 9 Nm (1,5 m²)

FIRE PROTECTION DAMPER ACTUATORS



Model	Description	Poz Nr.
GNA126.1E/10	<ul style="list-style-type: none"> • 10x10 mm Shaft 	4011483
GNA126.1E/12	<ul style="list-style-type: none"> • 12x12 mm Shaft 	4011484

Description: 24 V AC/DC Spring Return Function, 9 Nm (1,5 m²),

FIRE PROTECTION DAMPER ACTUATORS



Model	Description	Poz Nr.
GNA326.1E/10	<ul style="list-style-type: none"> • 10x10 mm Shaft 	4011485
GNA326.1E/12	<ul style="list-style-type: none"> • 12x12 mm Shaft 	4011486

Description: 230V Spring Return Function, 9 Nm (1,5 m²)

FIRE PROTECTION DAMPER ACTUATORS



Model	Description	Poz Nr.
GGA126.1E/T10	<ul style="list-style-type: none"> • 10x10 mm Shaft • 72°C 	4011487
GGA126.1E/T12	<ul style="list-style-type: none"> • 12x12 mm Shaft • 72°C 	4011488

Description: 24V AC/DC Spring Return Function, 18 Nm (2,5 m²),
With Themosensor

FIRE PROTECTION DAMPER ACTUATORS



Model	Description	Poz Nr.
GGA326.1E/T10	<ul style="list-style-type: none"> • 10x10 mm Shaft • 72°C 	4011489
GGA326.1E/T12	<ul style="list-style-type: none"> • 12x12 mm Shaft • 72°C 	4011490

Description: 24V AC/DC Spring Return Function, 18 Nm (2,5m²)



BUILDING AUTOMATION DEVICES

OPENAIR DAMPER ACTUATORS

SIEMENS

FIRE PROTECTION DAMPER ACTUATORS



Model	Description	Poz Nr.
GGA126.1E/10	• 10x10 mm Shaft	4011491
GGA126.1E/12	• 12x12 mm Shaft	4011492

Description: 24V AC/DC Spring Return Function, 18 Nm (2,5m²)

FIRE PROTECTION DAMPER ACTUATORS



Model	Description	Poz Nr.
GGA326.1E/10	• 10x10 mm Shaft	4011493
GGA326.1E/12	• 12x12 mm Shaft	4011494

Description: 230V Spring Return Function, 18 Nm (2,5 m²)

FIRE PROTECTION DAMPER ACTUATORS



Model	Description	Poz Nr.
AST'22	• Interface Converter for VAV Damper Actuator Calibration	4011495
AST20	• Handheld Tool for VAV Damper Actuator Calibration	4011496
ASC77.1E	• External Auxiliary Switch Assembly, 1 switch	4011497
ASC77.2E	• External Auxiliary Switch Assembly, 2 switches	4011498
ASK75.1	• Weather Shield for Rotary Actuator (For GCA../GGB../GIB..)	4011499
ASK79.4	• Duct Tip for Temperature Monitor Unit (72 °C)	4011500
ASK79.5	• Duct Tip for Temperature Monitor Unit (95 °C)	4011501

Description: Accessories



VARIABLE SPEED DRIVES

SIEMENS

AC 400V, IP20, A TYPE FILTER



Model	Description	Poz Nr.
G120P-0.75/32A	• 0,75 Kw. (6SL3200-6AE12-2AH0)	4011502
G120P-1.1/32A	• 1,10 Kw. (6SL3200-6AE13-1AH0)	4011503
G120P-1.5/32A	• 1,50 Kw. (6SL3200-6AE14-1AH0)	4011504
G120P-2.2/32A	• 2,20 Kw. (6SL3200-6AE15-8AH0)	4011505
G120P-3/32A	• 3,00 Kw. (6SL3200-6AE17-7AH0)	4011506
G120P-4/32A	• 4,00 Kw. (6SL3200-6AE21-0AH0)	4011507
G120P-5.5/32A	• 5,50 Kw. (6SL3200-6AE21-3AH0)	4011508
G120P-7.5/32A	• 7,50 Kw. (6SL3200-6AE21-8AH0)	4011509
G120P-11/32A	• 11,00 Kw. (6SL3200-6AE22-6AH0)	4011510
G120P-15/32A	• 15,00 Kw. (6SL3200-6AE23-2AH0)	4011511
G120P-18.5/32A	• 18,50 Kw. (6SL3200-6AE23-8AH0)	4011512
G120P-22/32A	• 22,00 Kw. (6SL3200-6AE24-5AH0)	4011513
G120P-30/32A	• 30,00 Kw. (6SL3200-6AE26-0AH0)	4011514
G120P-37/32A	• 37,00 Kw. (6SL3200-6AE27-5AH0)	4011515
G120P-45/32A	• 45,00 Kw. (6SL3200-6AE28-8AH0)	4011516
G120P-55/32A	• 55,00 Kw. (6SL3200-6AE31-1AH0)	4011517
G120P-75/32A	• 75,00 Kw. (6SL3200-6AE31-4AH0)	4011518

Description: 47..63 Hz, Modbus/RTU , RS485/USS , BACnetMS/TP , PROFIBUS (optional) , PROFINET (optional) , CANopen (optional) , P1 FLN

AC 400V, IP20, B TYPE FILTER



Model	Description	Poz Nr.
G120P-0.75/32B	• 0,75 Kw. (6SL3200-6AE12-2BH0)	4011520
G120P-1.1/32B	• 1,10 Kw. (6SL3200-6AE13-1BH0)	4011521
G120P-1.5/32B	• 1,50 Kw. (6SL3200-6AE14-1BH0)	4011522
G120P-2.2/32B	• 2,20 Kw. (6SL3200-6AE15-8BH0)	4011523
G120P-3/32B	• 3,00 Kw. (6SL3200-6AE17-7BH0)	4011524
G120P-4/32B	• 4,00 Kw. (6SL3200-6AE21-0BH0)	4011525
G120P-5.5/32B	• 5,50 Kw. (6SL3200-6AE21-3BH0)	4011526
G120P-7.5/32B	• 7,50 Kw. (6SL3200-6AE21-8BH0)	4011527
G120P-11/32B	• 11,00 Kw. (6SL3200-6AE22-6BH0)	4011528
G120P-15/32B	• 15,00 Kw. (6SL3200-6AE23-2BH0)	4011529
G120P-18.5/32B	• 18,50 Kw. (6SL3200-6AE23-8BH0)	4011530
G120P-22/32B	• 22,00 Kw. (6SL3200-6AE24-5BH0)	4011531
G120P-30/32B	• 30,00 Kw. (6SL3200-6AE26-0BH0)	4011532
G120P-37/32B	• 37,00 Kw. (6SL3200-6AE27-5BH0)	4011533
G120P-45/32B	• 45,00 Kw. (6SL3200-6AE28-8BH0)	4011534
G120P-55/32B	• 55,00 Kw. (6SL3200-6AE31-1BH0)	4011535
G120P-75/32B	• 75,00 Kw. (6SL3200-6AE31-4BH0)	4011536

Description: 47..63 Hz, Modbus/RTU , RS485/USS , BACnetMS/TP , PROFIBUS (optional) , PROFINET (optional) , CANopen (optional) , P1 FLN



BUILDING AUTOMATION DEVICES

VARIABLE SPEED DRIVES

SIEMENS

AC 400V, IP55, A TYPE FILTER



Model	Description	Poz Nr.
G120P-0.75/35A	• 0,75 Kw. (6SL3200-6AM12-2AH0)	4011538
G120P-1.1/35A	• 1,10 Kw. (6SL3200-6AM13-1AH0)	4011539
G120P-1.5/35A	• 1,50 Kw. (6SL3200-6AM14-1AH0)	4011540
G120P-2.2/35A	• 2,20 Kw. (6SL3200-6AM15-8AH0)	4011541
G120P-3/35A	• 3,00 Kw. (6SL3200-6AM17-7AH0)	4011542
G120P-4/35A	• 4,00 Kw. (6SL3200-6AM21-0AH0)	4011543
G120P-5.5/35A	• 5,50 Kw. (6SL3200-6AM21-3AH0)	4011544
G120P-7.5/35A	• 7,50 Kw. (6SL3200-6AM21-8AH0)	4011545
G120P-11/35A	• 11,00 Kw. (6SL3200-6AM22-6AH0)	4011546
G120P-15/35A	• 15,00 Kw. (6SL3200-6AM23-2AH0)	4011547
G120P-18.5/35A	• 18,50 Kw. (6SL3200-6AM23-8AH0)	4011548
G120P-22/35A	• 22,00 Kw. (6SL3200-6AM24-5AH0)	4011549
G120P-30/35A	• 30,00 Kw. (6SL3200-6AM26-0AH0)	4011550
G120P-37/35A	• 37,00 Kw. (6SL3200-6AM27-5AH0)	4011551
G120P-45/35A	• 45,00 Kw. (6SL3200-6AM28-8AH0)	4011552
G120P-55/35A	• 55,00 Kw. (6SL3200-6AM31-1AH0)	4011553
G120P-75/35A	• 75,00 Kw. (6SL3200-6AM31-4AH0)	4011554
G120P-90/35A	• 90,00 Kw. (6SL3200-6AM31-7AH0)	4011555

Description: 47...63 Hz, Modbus/RTU, RS485/USS, BACnetMS/TP, PROFIBUS (optional), PROFINET (optional), CANopen (optional, P1 FLN)

AC 400V, IP55, B TYPE FILTER



Model	Description	Poz Nr.
G120P-0.75/35B	• 0,75 Kw. (6SL3200-6AM12-2BH0)	4011556
G120P-1.1/35B	• 1,10 Kw. (6SL3200-6AM13-1BH0)	4011557
G120P-1.5/35B	• 1,50 Kw. (6SL3200-6AM14-1BH0)	4011558
G120P-2.2/35B	• 2,20 Kw. (6SL3200-6AM15-8BH0)	4011559
G120P-3/35B	• 3,00 Kw. (6SL3200-6AM17-7BH0)	4011560
G120P-4/35B	• 4,00 Kw. (6SL3200-6AM21-0BH0)	4011561
G120P-5.5/35B	• 5,50 Kw. (6SL3200-6AM21-3BH0)	4011562
G120P-7.5/35B	• 7,50 Kw. (6SL3200-6AM21-8BH0)	4011563
G120P-11/35B	• 11,00 Kw. (6SL3200-6AM22-6BH0)	4011564
G120P-15/35B	• 15,00 Kw. (6SL3200-6AM23-2BH0)	4011565
G120P-18.5/35B	• 18,50 Kw. (6SL3200-6AM23-8BH0)	4011566
G120P-22/35B	• 22,00 Kw. (6SL3200-6AM24-5BH0)	4011567
G120P-30/35B	• 30,00 Kw. (6SL3200-6AM26-0BH0)	4011568
G120P-37/35B	• 37,00 Kw. (6SL3200-6AM27-5BH0)	4011569
G120P-45/35B	• 45,00 Kw. (6SL3200-6AM28-8BH0)	4011570
G120P-55/35B	• 55,00 Kw. (6SL3200-6AM31-1BH0)	4011571
G120P-75/35B	• 75,00 Kw. (6SL3200-6AM31-4BH0)	4011572
G120P-90/35B	• 90,00 Kw. (6SL3200-6AM31-7BH0)	4011573

Description: 47...63 Hz, Modbus/RTU, RS485/USS, BACnetMS/TP, PROFIBUS (optional), PROFINET (optional), CANopen (optional), P1 FLN

**VARIABLE SPEED DRIVES****SIEMENS****ACCESSORIES**

Model	Description	Poz Nr.
G120P-BOP-2	• G120P Basic Operator Panel (BOP-2) (6SL3255-6AA00-4CA0)	4011574
G120P-IOP-2-BT	• G120P Intelligent Operator Panel IOP-2-BT (6SL3255-6AA00-4J2)	4011575
G120P-BCOVER	• G120P Blanking Cover (6SL3256-6BA00-0AA0)	4011576
G120P-DOOR-KIT	• G120P Door Mounting Kit for IOP or BOP-2 (6SL3256-6AP00-0JA0)	4011577
G120P-IP55-PAN-EXT	• Operator Panel Extension Cable for G120P IP55 (6SL3256-1BA00-4HB0)	4011578
G120P-AIRSHEET-FSA	• G120P Air Guide Sheet, PM230, IP55, FSA (6SL3266-7SA00-0MA0)	4011585
G120P-AIRSHEET-FSB	• G120P Air Guide Sheet, PM230, IP55, FSB (6SL3266-7SB00-0MA0)	4011586
G120P-AIRSHEET-FSC	• G120P Air Guide Sheet, PM230, IP55, FSC (6SL3266-7SC00-0MA0)	4011587

HEAT METERS**SIEMENS****IMPELLER, TYPE HEAT METERS**

Model	Description	Poz Nr.
WFM501-E000H0	• 0,6 m ³ /h • Mounting Length 110 mm • Connecting Size G ^{3/4} "	4011588
WFM502-E000H0	• 1,5 m ³ /h • Mounting Length 110 mm • Connecting Size G ^{3/4} "	4011589
WFM503-J000H0	• 2,5 m ³ /h • Mounting Length 130 mm • Connecting Size G1"	4011590

Description: Heating, PN16, MID class 3, IrDA + Module Interface**IMPELLER, TYPE HEAT METERS**

Model	Description	Poz Nr.
WFM541-G000H0	• 0,6 m ³ /h • Mounting Length 110 mm • Connecting Size G ^{3/4} "	4011591
WFM542-C000H0	• 1,5 m ³ /h • Mounting Length 80 mm • Connecting Size G ^{3/4} "	4011592
WFM542-G000H0	• 1,5 m ³ /h • Mounting Length 110 mm • Connecting Size G ^{3/4} "	4011593
WFM543-L000H0	• 2,5 m ³ /h • Mounting Length 130 mm • Connecting Size G1"	4011594

Description: Heating, PN 16, MID class 3, IrDA, M-bus Communications, 2 Pulse Input



BUILDING AUTOMATION DEVICES

HEAT METERS

SIEMENS

IMPELLER, TYPE HEAT METERS



Model	Description	Poz Nr.
WFM681-G000H0	<ul style="list-style-type: none"> • 0,6 m³/h • Mounting Length 110 mm • Connecting Size G^{3/4"} 	4011595
WFM682-G000H0	<ul style="list-style-type: none"> • 1,5 m³/h • Mounting Length 110 mm • Connecting Size G^{3/4"} 	4011596
WFM683-L000H0	<ul style="list-style-type: none"> • 2,5 m³/h • Mounting Length 130 mm • Connecting Size G1" 	4011597

Description: Heating, PN 16, MID class 3, IrDA, AMR Communications

IMPELLER, TYPE HEAT METERS



Model	Description	Poz Nr.
WFN541-G000H0	<ul style="list-style-type: none"> • 0,6 m³/h • Mounting Length 110 mm • PN16 • Connecting Size G^{3/4"} 	4011598
WFN542-G000H0	<ul style="list-style-type: none"> • 1,5 m³/h • Mounting Length 110 mm • PN16 • Connecting Size G^{3/4"} 	4011599
WFN543-L000H0	<ul style="list-style-type: none"> • 2,5 m³/h • Mounting Length 130 mm • PN16 • Connecting Size G1" 	4011600

Description: Heating/Cooling, PN 16, MID class 3, IrDA, M-bus Communications, 2 Pulse Input

IMPELLER, TYPE HEAT METERS



Model	Description	Poz Nr.
WFN681-G000H0	<ul style="list-style-type: none"> • Heating/Cooling, • 0,6 m³/h • Mounting Length 110 mm • Connecting Size G^{3/4"} 	4011601
WFN682-G000H0	<ul style="list-style-type: none"> • Heating/Cooling, • 1,5 m³/h • Mounting Length 110 mm • Connecting Size G^{3/4"} 	4011602
WFN683-L000H0	<ul style="list-style-type: none"> • Heating/Cooling, • 2,5 m³/h • Mounting Length 130 mm • Connecting Size G1" 	4011603

Description: Heating/Cooling, PN 16, MID class 3, IrDA, AMR Communications



HEAT METERS

SIEMENS

ULTRASONIC TYPE HEAT METERS



Model	Description	Poz Nr.
T230-A-05-C-EN -06-P-OH-A-B-M2-A	<ul style="list-style-type: none"> • 0,6 m³/h • Mounting Length 110 mm • Connecting Size G^{3/4"} 	4011604
T230-A-21-C-EN -06-P-OH-A-B-M2-A	<ul style="list-style-type: none"> • 1,5 m³/h • Mounting Length 110 mm • Connecting Size G^{3/4"} 	4011605
T230-A-36-C-EN -00-P-OH-A-B-M2-A	<ul style="list-style-type: none"> • 5,0 m³/h • Mounting Length 130 mm • Connecting Size G1" 	4011606

Description: Heating, PN 16, Cable Connection, M-Bus Communications, 6 Years Battery Lifetime

ULTRASONIC TYPE HEAT METERS



Model	Description	Poz Nr.
T230-A-05-C-EN -06-P-OH-F-E-M2-A	<ul style="list-style-type: none"> • 0,6 m³/h • Mounting Length 110 mm • Connecting Size G^{3/4"} 	4011613
T230-A-21-C-EN -06-P-OH-F-E-M2-A	<ul style="list-style-type: none"> • 1,5 m³/h • Mounting Length 110 mm • Connecting Size G^{3/4"} 	4011614
T230-A-36-C-EN -06-P-OH-F-E-M2-A	<ul style="list-style-type: none"> • 2,5 m³/h • Mounting Length 130 mm • Connecting Size G1" 	4011615

Description: Heating, PN 16, Cable Connection, Wireless, M-Bus Communications, 11 Years Battery Lifetime

ULTRASONIC TYPE HEAT METERS



Model	Description	Poz Nr.
T230-A-05-C-EN -06-P-OH-E-B-M2-A	<ul style="list-style-type: none"> • 0,6 m³/h • Mounting Length 110 mm • Connecting Size G^{3/4"} 	4011607
T230-A-21-C-EN -06-P-OH-E-B-M2-A	<ul style="list-style-type: none"> • 1,5 m³/h • Mounting Length 110 mm • Connecting Size G^{3/4"} 	4011608
T230-A-36-C-EN -06-P-OH-E-B-M2-A	<ul style="list-style-type: none"> • 2,5 m³/h • Mounting Length 130 mm • Connecting Size G1" 	4011609

Description: Heating, PN 16, Cable Connection, M-Bus Communications, 11 Years Battery Lifetime

ULTRASONIC TYPE HEAT METERS



Model	Description	Poz Nr.
2WR6-05-1-7B-B- 7-5-6-T-A-S	<ul style="list-style-type: none"> • 0,6 m³/h • Mounting Length 110 mm • Connecting Size G^{3/4"} 	4011616
2WR6-21-1-7B-B- 7-5-6-T-A-S	<ul style="list-style-type: none"> • 1,5 m³/h • Mounting Length 110 mm • Connecting Size G^{3/4"} 	4011617
2WR6-36-1-7B-B- 7-5-6-T-A-S	<ul style="list-style-type: none"> • 2,5 m³/h • Mounting Length 130 mm • Connecting Size G1" 	4011618

Description: Heating/Cooling, PN 16, M-Bus Communications, 6 Years Battery Lifetime

ULTRASONIC TYPE HEAT METERS



Model	Description	Poz Nr.
T230-A-05-C-EN -06-P-OH-C-E-M2-A	<ul style="list-style-type: none"> • 0,6 m³/h • Mounting Length 110 mm • Connecting Size G^{3/4"} 	4011610
T230-A-21-C-EN -06-P-OH-C-E-M2-A	<ul style="list-style-type: none"> • 1,5 m³/h • Mounting Length 110 mm • Connecting Size G^{3/4"} 	4011611
T230-A-36-C-EN -06-P-OH-C-E-M2-A	<ul style="list-style-type: none"> • 2,5 m³/h • Mounting Length 130 mm • Connecting Size G1" 	4011612

Description: Heating, PN 16, Cable Connection, M-Bus Communications, 6 Years Battery Lifetime



BUILDING AUTOMATION DEVICES

HEAT METERS

SIEMENS

ULTRASONIC TYPE HEAT METERS



Model	Description	Poz Nr.
2WR6-05-1-7B-B-3-5-6-T-A-S	<ul style="list-style-type: none"> • 0,6 m³/h • Mounting Length 110 mm • Connecting Size G^{3/4"} 	4011619
2WR6-21-1-7B-B-3-5-6-T-A-S	<ul style="list-style-type: none"> • 1,5 m³/h • Mounting Length 110 mm • Connecting Size G^{3/4"} 	4011620
2WR6-36-1-7B-B-3-5-6-T-A-S	<ul style="list-style-type: none"> • 2,5 m³/h • Mounting Length 130 mm • Connecting Size G1" 	4011621

Description: Heating/Cooling, PN 16, Cable Connection, M-Bus Communications, 6 Years Battery Lifetime

ULTRASONIC TYPE HEAT METERS



Model	Description	Poz Nr.
UH50-A05C-EN06-EOH-AB00-M2A	<ul style="list-style-type: none"> • 0,6 m³/h • Mounting Length 110 mm • PN16 • Connecting Size G^{3/4"} 	4011622
UH50-A21C-EN06-EOH-AB00-M2A	<ul style="list-style-type: none"> • 1,5 m³/h • Mounting Length 110 mm • PN16 • Connecting Size G^{3/4"} 	4011623
UH50-A36C-EN06-EOH-AB00-M2A	<ul style="list-style-type: none"> • 2,5 m³/h • Mounting Length 130 mm • PN16 • Connecting Size G1" 	4011624
UH50-A45C-EN06-EOH-AB00-M2A	<ul style="list-style-type: none"> • 3,5 m³/h • Mounting Length 260 mm • PN16 • Connecting Size G^{1/4"} 	4011625
UH50-A61C-EN06-EOH-AB00-M2A	<ul style="list-style-type: none"> • 10 m³/h • Mounting Length 300 mm • PN25 • Connecting Size G^{1/2"} 	4011626
UH50-A63C-EN06-EOH-AB00-M2A	<ul style="list-style-type: none"> • 10 m³/h • Mounting Length 200 mm • PN16 • Connecting Size G2" 	4011627
UH50-A70C-EN06-EOH-AB00-M2A	<ul style="list-style-type: none"> • 25 m³/h • Mounting Length 300 mm • PN25 • Connecting Size DN65 	4011628
UH50-A74C-EN06-EOH-AB00-M2A	<ul style="list-style-type: none"> • 40 m³/h • Mounting Length 300 mm • PN25 • Connecting Size DN80 	4011629
UH50-A82C-EN06-EOH-AB00-M2A	<ul style="list-style-type: none"> • 60 m³/h • Mounting Length 360 mm • PN16 • Connecting Size DN100 	4011630

Description: Heating, M-Bus Communications, 6 Years Battery Lifetime (2xAA-Cell)



HEAT METERS

ULTRASONIC TYPE HEAT METERS



Model	Description	Poz Nr.
UH50-A50C-EN06-E0H-CB00-M2A	<ul style="list-style-type: none"> • 0,6 m³/h • Mounting Length 110 mm • PN16 • Connecting Size G^{3/4}" 	4011631
UH50-A21C-EN06-E0H-CB00-M2A	<ul style="list-style-type: none"> • 1,5 m³/h • Mounting Length 110 mm • PN16 • Connecting Size G^{3/4}" 	4011632
UH50-A36C-EN06-E0H-CB00-M2A	<ul style="list-style-type: none"> • 2,5 m³/h • Mounting Length 130 mm • PN16 • Connecting Size G1" 	4011633
UH50-A45C-EN06-E0H-CB00-M2A	<ul style="list-style-type: none"> • 3,5 m³/h • Mounting Length 260 mm • PN16 • Connecting Size G1^{1/4}" 	4011634
UH50-A61C-EN06-E0H-CB00-M2A	<ul style="list-style-type: none"> • 10 m³/h • Mounting Length 300 mm • PN25 • Connecting Size G1^{1/2}" 	4011635
UH50-A63C-EN06-E0H-CB00-M2A	<ul style="list-style-type: none"> • 10 m³/h • Mounting Length 200 mm • PN16 • Connecting Size G2" 	4011636
UH50-A70C-EN06-E0H-CB00-M2A	<ul style="list-style-type: none"> • 25 m³/h • Mounting Length 300 mm • PN25 • Connecting Size DN65 	4011637
UH50-A74C-EN06-E0H-CB00-M2A	<ul style="list-style-type: none"> • 40 m³/h • Mounting Length 300 mm • PN25 • Connecting Size DN80 	4011638
UH50-A82C-EN06-E0H-CB00-M2A	<ul style="list-style-type: none"> • 60 m³/h • Mounting Length 360 mm • PN16 • Connecting Size DN100 	4011639

Description: Heating, M-Bus Communications, 6 Years Battery Lifetime (D-Cell)

ULTRASONIC TYPE HEAT METERS



Model	Description	Poz Nr.
UH50-A05C-EN06-E0H-BB00-M2A	<ul style="list-style-type: none"> • 0,6 m³/h • Mounting Length 110 mm • PN16 • Connecting Size G^{3/4}" 	4011640
UH50-A21C-EN06-E0H-BB00-M2A	<ul style="list-style-type: none"> • 1,5 m³/h • Mounting Length 110 mm • PN16 • Connecting Size G^{3/4}" 	4011641
UH50-A36C-EN06-E0H-BB00-M2A	<ul style="list-style-type: none"> • 2,5 m³/h • Mounting Length 130 mm • PN16 • Connecting Size G1" 	4011642
UH50-A45C-EN06-E0H-BB00-M2A	<ul style="list-style-type: none"> • 3,5 m³/h • Mounting Length 260 mm • PN16 • Connecting Size G1^{1/4}" 	4011643
UH50-A61C-EN06-E0H-BB00-M2A	<ul style="list-style-type: none"> • 10 m³/h • Mounting Length 300 mm • PN25 • Connecting Size G1^{1/2}" 	4011644
UH50-A63C-EN06-E0H-BB00-M2A	<ul style="list-style-type: none"> • 10 m³/h • Mounting Length 200 mm • PN16 • Connecting Size G2" 	4011645
UH50-A70C-EN06-E0H-BB00-M2A	<ul style="list-style-type: none"> • 25 m³/h • Mounting Length 300 mm • PN25 • Connecting Size DN65 	4011646
UH50-A74C-EN06-E0H-BB00-M2A	<ul style="list-style-type: none"> • 40 m³/h • Mounting Length 300 mm • PN25 • Connecting Size DN80 	4011647
UH50-A82C-EN06-E0H-BB00-M2A	<ul style="list-style-type: none"> • 60 m³/h • Mounting Length 360 mm • PN16 • Connecting Size DN100 	4011648

Description: Heating, M-Bus Communications, 6 Years Battery Lifetime (C-Cell)



BUILDING AUTOMATION DEVICES

HEAT METERS

SIEMENS

ULTRASONIC TYPE HEAT METERS



Model	Description	Poz Nr.
UH50-A05C-EN06-E0H-EB00-M2A	<ul style="list-style-type: none"> • 0,6 m³/h • Mounting Length 110 mm • PN16 • Connecting Size G^{3/4}" 	4011649
UH50-A21C-EN06-E0H-EB00-M2A	<ul style="list-style-type: none"> • 1,5 m³/h • Mounting Length 110 mm • PN16 • Connecting Size G^{3/4}" 	4011650
UH50-A36C-EN06-E0H-EB00-M2A	<ul style="list-style-type: none"> • 2,5 m³/h • Mounting Length 130 mm • PN16 • Connecting Size G1^{1/4}" 	4011651
UH50-A45C-EN06-E0H-EB00-M2A	<ul style="list-style-type: none"> • 3,5 m³/h • Mounting Length 260 mm • PN16 • Connecting Size G^{1/4}" 	4011652
UH50-A61C-EN06-E0H-EB00-M2A	<ul style="list-style-type: none"> • 10 m³/h • Mounting Length 300 mm • PN25 • Connecting Size G1^{1/2}" 	4011653
UH50-A63C-EN06-E0H-EB00-M2A	<ul style="list-style-type: none"> • 10 m³/h • Mounting Length 200 mm • PN16 • Connecting Size G2" 	4011654
UH50-A70C-EN06-E0H-EB00-M2A	<ul style="list-style-type: none"> • 25 m³/h • Mounting Length 300 mm • PN25 • Connecting Size DN65 	4011655
UH50-A74C-EN06-E0H-EB00-M2A	<ul style="list-style-type: none"> • 40 m³/h • Mounting Length 300 mm • PN25 • Connecting Size DN80 	4011656
UH50-A82C-EN06-E0H-EB00-M2A	<ul style="list-style-type: none"> • 60 m³/h • Mounting Length 360 mm • PN16 • Connecting Size DN100 	4011657

Description: Heating, M-Bus Communications, 11 Years Battery Lifetime(D-Cell)

ULTRASONIC TYPE HEAT METERS



Model	Description	Poz Nr.
WFZ51	• M-bus Module for WFX5.. Meters	4011658
WFZ662	• Walk-by Add-on Module With Integrated Antenna for WFX5.. Meters	4011660
WTT561-AA1100	• Battery Powered Network Node • IP20	4011661
WTT563-0C0000	• M-bus RF Gateway • IP30	4011662
WTV531-GA5060	• Level Converter • 24V AC/DC	4011663
WTV676-HB6035	• M-Bus Web Server, • 250 Pieces M-bus Wired • 2.500 Pieces Wireless Meter • Could be Read • 24 V AC/DC	4011664
WTX660-E05060	• RF Converter	4011665

Description: Accessories



WATER METERS

SIEMENS

MECHANICAL TYPE WATER METERS



Model	Description	Poz Nr.
WFK30.D080	<ul style="list-style-type: none">• 2,5 m³/h• Mounting Length 80 mm• Connecting Size G^{3/4}"	4011666
WFK30.D110	<ul style="list-style-type: none">• 2,5 m³/h• Mounting Length 110 mm• Connecting Size G^{3/4}"	4011667

Description: Cooling (Max.Temperature 30°C), PN16

MECHANICAL TYPE WATER METERS



Model	Description	Poz Nr.
WFW30.D080	<ul style="list-style-type: none">• 2,5 m³/h• Mounting Length 80 mm• Connecting Size G^{3/4}"	4011669
WFW30.D110	<ul style="list-style-type: none">• 2,5 m³/h• Mounting Length 110 mm• Connecting Size G^{3/4}"	4011670

Description: Heating (Max.Temperature 90°C), PN16

MECHANICAL TYPE WATER METERS



Ürün Kodu	Açıklama	Ref. Kodu
WFK40.D080	<ul style="list-style-type: none">• 2,5 m³/h• Mounting Length 80 mm• Connecting Size G^{3/4}"	4011672
WFK40.D110	<ul style="list-style-type: none">• 2,5 m³/h• Mounting Length 110 mm• Connecting Size G^{3/4}"	4011673
WFK40.E130	<ul style="list-style-type: none">• 4,0 m³/h• Mounting Length 130 mm• Connecting Size G1"	4011674

Description: Cooling (Max.Temperature 50°C), PN16, Pulse Communications (Optional)

MECHANICAL TYPE WATER METERS



Model	Description	Poz Nr.
WFW40.D080	<ul style="list-style-type: none">• 2,5 m³/h• Mounting Length 80 mm• Connecting Size G^{3/4}"	4011675
WFW40.D110	<ul style="list-style-type: none">• 2,5 m³/h• Mounting Length 110 mm• Connecting Size G^{3/4}"	4011676
WFW40.E130	<ul style="list-style-type: none">• 4,0 m³/h• Mounting Length 130 mm• Connecting Size G1"	4011677

Description: Heating (Max.Temperature 90°C), PN16, Pulse Communications (Optional)



BUILDING AUTOMATION DEVICES

WATER METERS

SIEMENS

MECHANICAL TYPE WATER METERS



Model	Description	Poz Nr.
WFZ.R2	<ul style="list-style-type: none"> • Mounting Set • Pair of Fittings G 3/4" x R1/2" With Gaskets 	4011680
WFZ.R2-1	<ul style="list-style-type: none"> • 3/4" Mounting Set • Pair of Fittings G 1" x R3/4" With Gaskets 	4011681
AEW310.2	<ul style="list-style-type: none"> • M-Bus Pulse Adapter 	4011682
AEW36.2	<ul style="list-style-type: none"> • AMR Pulse Adapter 	4011683
AEW366.2	<ul style="list-style-type: none"> • Walk-by Pulse Adapter 	4011684
WRI982	<ul style="list-style-type: none"> • Consumption Data Interface 	4011685
WFZ16.MO	<ul style="list-style-type: none"> • AMR Add-on Module for WFX3../WMX10.. Meters 	4011686
WFZ166.MO	<ul style="list-style-type: none"> • Walk-by Add-on Module With Integrated Antenna for WFX3../WMX10.. Meters 	4011687
WFZ31	<ul style="list-style-type: none"> • M-bus Add-on Module for WFX30.. Water Meters 	4011688
WFZ43	<ul style="list-style-type: none"> • Pulse Add-on Module With Reed Contact and Namur Circuit for WFX40.. Water Meters 	4011689
WFZ44	<ul style="list-style-type: none"> • Pulse Add-on Module With Reed Contact for WFX40.. Water Meters 	4011690

Description: Accessories



BUILDING AUTOMATION DEVICES/SELECTION TABLE

Acvatix Valves and Actuators

												Recommended media												
		2-port valve	3-port valve	4-port valve	6-port valve	PN class	Type of connection	Silicon-free grease	Closed circuits	Open circuits	Chilled water	Cooling water ¹⁾	Drinking water	Low-temperature hot water	High-temperature hot water	Water glycol mixture	Saturated steam	Superheated steam	Heat transfer oil	Media containing mineral oils	Safety refrigerants	R744 (CO ₂)	R717 (ammonia)	
Globe valves	VDN.../VEN.../VUN..	■				10	ET		■															
	VD1..CLC	■				10	ET		■															
	WVP45..	■				16	ET		■															
	VXP45..		■			16	ET		■															
	VMP45..			■		16	ET		■															
	WVP47..	■				16	ET		■															
	VXP47..		■			16	ET		■															
	VMP47..			■		16	ET		■															
	WVG41..	■				16	ET	■	■								■							
	VXG41..		■			16	ET	■	■															
	VXG41..Q ⁴⁾			■		16	ET	■	■															
	WVG44..	■				16	ET	■	■															
	VXG44..		■			16	ET	■	■															
	WVG549..	■				25	ET		■															
	WV46..	■				16	IT		■															
	VXI46..		■			16	IT		■															
	WF22..	■				6	F	■	■															
	VXF22..		■			6	F	■	■															
	WF32..	■				10	F	■	■															
	VXF32..		■			10	F	■	■															
WF42..	■				16	F	■	■																
VXF42..		■			16	F	■	■																
WVF43..	■				16	F	■	■									■							
VXF43..		■			16	F	■	■																
WVF53..	■				25	F	■	■																
VXF53..		■			25	F	■	■																
WVF61..	■				40	F	■	■																
WVF61.2	■				40	F	■	■																
VXF61..		■			40	F	■	■																
VXF61.2			■		40	F	■	■																
PICV	VPD.../VPE..	■				10	ET		■															
	VPP46..	■				25	ET		■															
	VPI46..	■				25	IT		■															
	VPF43..	■				16	F	■	■															
	VPF53..	■				25	F	■	■															
Control ball valves	VAG61..	■				40	ET	■	■															
	VBG61..		■			40	ET	■	■															
	VAI61..		■			40	IT	■	■															
	VBI61..			■		40	IT	■	■															
	VWG41..				■	16	ET/IT	■	■															
Magnetic valves	MXG461..	■	■			16	ET		■															
	MXG461.P	■	■			16	ET		■															
	MXG461.B.	■	■			16	ET		■															
	MXG461.S.	■	■			16	ET		■															
	MXG462.S.	■	■			16	ET		■															
	MXF461..	■	■			16	F		■															
	MXF461.P	■	■			16	F		■															
	M3P..FYP	■	■			16	F		■															
	MVF461H..	■	■			16	F		■															
Rotary valves	VBG31..		■			10	ET		■															
	VBI31..		■			10	IT		■															
	VCI31..			■		10	IT		■															
	VBF21..		■			6	F		■															
	VKF41..	■				16	F		■															
	VKF46..	■				16	F		■															
	VAG60..	■				40	ET	■	■															
	VBG60..		■			40	ET	■	■															
VAI60..	■				40	IT	■	■																
VBI60..		■			40	IT	■	■																
Refrigerant valves	M2FP03GX					32	-		■												■			
	M3FK..LX..		■			32	S		■												■			
	M3FB..LX..		■			PS 43	S		■												■			
	MVL661..	■				PS 45	S		■												■			
	MVS661.N	■				PS 53	W		■												■		■	

Recommendation: water treatment according to VDI 2035

¹⁾ Open circuits; ²⁾ Not for drinking water circuit (open circuit) ³⁾ Variable air volume; ⁴⁾ Sealed bypass; ⁵⁾ As zone valve for floor heating systems; IT = internally threaded connection, ET = e



Permissible medium temperature [°C]		Generation				Distribution			Consumption / Use								
		District heating	Boiler plants	Chiller plants	Cooling towers ¹⁾	Domestic hot water ²⁾	Heating groups	Air handling units	Floor heating	Radiators	Chilled ceilings	Heated and chilled ceilings	VAV ³⁾	Fan coil units		Zone control	
-40	-25															VDN../VEN../VUN..	Globe valves
-20	-10															VD1..CLC	
0	1															VVP45..	
1	...															VXP45..	
90	100															VMP45..	
110	120															VVP47..	
130	150															VXP47..	
180	220															VMP47..	
350																VVG41..	
																VVG41..	
																VXG41..01 ⁴⁾	
																VVG44..	
																VXG44..	
																VVG549..	
																WI46..	
																VXI46..	
																VWF22..	
																VXF22..	
																VVF32..	
																VXF32..	
																VVF42..	
																VXF42..	
																VVF43..	
																VXF43..	
																VVF53..	
																VXF53..	
																VVF61..	
																VVF61..2	
																VXF61..	
																VXF61..2	
																VPD../VPE..	
																VPP46..	
																VPI46..	
																VPF43..	
																VPF53..	
																VAG61..	
																VBG61..	
																VAI61..	
																VBI61..	
																VWG41..	
																MXG461..	
																MXG461..P	
																MXG461B..	
																MXG461S..	
																MXG462S..	
																MXF461..	
																MXF461..P	
																M3P..FY	
																M3P..FYP	
																MVF461H..	
																VBG31..	
																VBI31..	
																VCI31..	
																VBFB21..	
																VKF41..	
																VKF46..	
																VAG60..	
																VBG60..	
																VAI60..	
																VBI60..	
																M2FP03GX	
																M3FK..LX..	
																M3FB..LX..	
																MVL661..	
																MVS661..N	



BUILDING AUTOMATION DEVICES/SELECTION TABLE

Acvatix Valves and Actuators

Threaded globe valves										
Typical applications	Actuators	Data sheet								
- Radiators	RTN..	N2111				RTN51 / RTN51G	RTN71	RTN81		
Typical applications	Actuators	Data sheet				4.5 mm	2.5 mm	4.5 mm		
- Radiators	STA.. SSA..	N4884 N4893				100N	100N	90N		
	Operating voltage	Positioning signal	Positioning time [s]							
	AC 230V	2-position	210			STA23	-	STA23HD ¹⁾		
		3-position	150			-	SSA31	-		
	AC 24V	3-position	150			-	SSA81	-		
		0...10V	270 ²⁾			STA63	-	-		
	AC/DC 24V	2-position/PDM	270			STA73	-	STA73HD ¹⁾		
		0...10V	34			-	SSA61	-		
	Normally Open / Normally Closed (for radiator valves)					NC	-	NC		
PN 10	1...10 °C	DIN	NF	DN	Rp/R [Inch]	k _v [m ³ /h]	Δp _{max} [kPa]	Δp _{max} [kPa]	Δp _{max} [kPa]	
Data sheet		N2105	N2106							
		VDN110	VDN210	10	Rp/R ∅	0.09...0.63	60	60	60	
		VDN115	VDN215	15	Rp/R 1/2	0.10...0.89	60	60	60	
		VDN120	VDN220	20	Rp/R 3/4	0.31...1.41	60	60	60	
		VEN110	VEN210	10	Rp/R ∅	0.09...0.63	60	60	60	
		VEN115	VEN215	15	Rp/R 1/2	0.10...0.89	60	60	60	
		VEN120	VEN220	20	Rp/R 3/4	0.31...1.41	60	60	60	
		-	VUN210	10	Rp/R ∅	0.14...0.63	60	60	60	
		-	VUN215	15	Rp/R 1/2	0.13...0.7	60	60	60	

Presettings for radiator valves VEN.., VDN.., VUN..										
k _v values [m ³ /h] at the different preadjusted positions (XP = 2K)										
Control range with electromotoric and electrothermic actuators SSA.., STA.			■	■	■	■	■	■	-	
Control range with thermostatic head RTN..			■	■	■	■	■	■	■	
Reference numbers for preadjustment			1	2	3	4	5	N	N (k _{v5})	
VDN110/VDN210/VEN110/VEN210			0.072	0.17	0.24	0.28	0.37	0.43	0.63	
VDN115/VDN215/VEN115/VEN215			0.07	0.17	0.28	0.36	0.45	0.50	0.89	
VDN120/VDN220/VEN120/VEN220			0.22	0.35	0.44	0.52	0.60	0.71	1.41	
VUN210			0.14	0.26	0.34	0.39	0.40	0.43	0.60	
VUN215			0.13	0.22	0.30	0.39	0.45	0.50	0.77	






Threaded globe valves										
Typical applications	Actuators	Data sheet				4.5 mm	2.5 mm			
- Chilled ceilings	STA.. SSA..	N4884 N4893								
	Operating voltage	Positioning signal	Positioning time [s]							
	AC 230V	2-position	210			STA23	-			
		3-position	150			-	SSA31			
	AC 24V	3-position	150			-	SSA81			
		0...10V	270 ²⁾			STA63	-			
	AC/DC 24V	2-position/PDM	270			STA73	-			
		0...10V	34			-	SSA61			
	Normally Open / Normally Closed (for radiator valves)					NC	-			
PN 10	1...10 °C		DN	Rp/R [Inch]	k _v [l/h]	Δp _{max} [kPa]	Δp _{max} [kPa]			
Data sheet		N2103								
		VD115CLC	15	Rp/R 1/2	0.25...∅	150	150			
		VD120CLC	20	Rp/R 3/4	0.25...∅	150	150			
		VD125CLC	25	Rp/R 1	0.25...∅	150	150			

¹⁾ Optimized for floor heating systems

²⁾ In control mode (warm-up time) min. running time approx. 30 s/mm

k_v = nominal flow rate of cold water (5...30 °C) through the valve at the respective stroke and a differential pressure of 100 kPa (1 bar). The selected kv values of the radiator valves can be easily and precisely set on the valve head in 5 steps + N (fully open).



Threaded globe valves													
Typical applications – Floor heating – Chilled ceilings – VAV – Fancoil units – Zone control	Actuators	Data sheet			5.5 mm								
	SSB..	N4891			200N		200N						
	Operating voltage	Positioning signal	Positioning time [s]	Auxiliary switch									
	AC 230V	3-position	150	SSB..11									
	AC 24V	3-position	150	✓									
	AC/DC 24V	0...10V	75	–	SSB61		SSB81						
PN 16	1... 110 °C	DN	G [Inch]	k_{vs} [m³/h]	Δp_s [kPa]	Δp_{max} [kPa]	Δp_s [kPa]	Δp_{max} [kPa]	Δp_s [kPa]	Δp_{max} [kPa]			
Data sheet	N4845												
	VVP45.10-.. ¹⁾	10	G ½B	0.25 / 0.4 / 0.63 / 1 / 1.6	725	400	725	400	725	400			
	VVP45.15-25	15	G ¾B	2.5	350	350	350	350	350	350			
	VVP45.204	20	G 1B	4	350	350	350	350	350	350			
	VVP45.25-63	25	G 1¼B	6.3	300	300	300	300	300	300			
	VXP45.10-.	10	G ½B	0.25 / 0.4 / 0.63 / 1 / 1.6	–	400	–	400	–	400			
	VXP45.15-25	15	G ¾B	2.5	–	350	–	350	–	350			
	VXP45.204	20	G 1B	4	–	350	–	350	–	350			
	VXP45.25-63	25	G 1¼B	6.3	–	300	–	300	–	300			
	VMP45.10-.	10	G ½B	0.25 / 0.4 / 0.63 / 1	–	400	–	400	–	400			
	VMP45.10-16	10	G ½B	1.6	–	400	–	400	–	400			
	VMP45.15-25	15	G ¾B	2.5	–	350	–	350	–	350			
	VMP45.204	20	G 1B	4	–	350	–	350	–	350			
Typical applications – Chilled ceilings – VAV – Fan coil units	Actuators	Data sheet			4.5 mm		2.5 mm						
	STP.. SFP.. SSP..	N4884 N4865 N4864											
	Operating voltage	Positioning signal	Positioning time [s]	Spring return function [s]									
	AC 230V	2-position	210	–							STP23	–	–
		2-position	10	30–50							–	SFP21/18	–
		3-position	150	–							–	–	SSP31
	AC 24V	2-position	10	30–50							–	SFP71/18	–
		3-position	43	–							–	–	SSP81.04
		3-position	150	–							–	–	SSP81
		0... 10V	270 ²⁾	–							–	STP63	–
AC/DC 24V	2-position/PDM	270	–	–							STP73	–	–
	0... 10V	34	–	–							–	–	SSP61
PN 16	1... 110 °C	DN	G [Inch]	k_{vs} [m³/h]	Δp_s [kPa]	Δp_{max} [kPa]	Δp_s [kPa]	Δp_{max} [kPa]	Δp_s [kPa]	Δp_{max} [kPa]			
Data sheet	N4847												
	VVP47.10-.. ¹⁾	10	G ½B	0.25 / 0.4	700	400	1000	400	1000	400			
	VVP47.10-.	10	G ½B	0.63 / 1	250	250	500	400	500	400			
	VVP47.10-16	10	G ½B	1.6	150	150	300	300	300	300			
	VVP47.15-25	15	G ¾B	2.5	150	150	300	300	300	300			
	VVP47.204	20	G 1B	4	100	100	175	175	175	175			
	VXP47.10-.	10	G ½B	0.25 / 0.4	–	400	–	400	–	400			
	VXP47.10-.	10	G ½B	0.63 / 1	–	250	–	400	–	400			
	VXP47.10-16	10	G ½B	1.6	–	150	–	300	–	300			
	VXP47.15-25	15	G ¾B	2.5	–	150	–	300	–	300			
	VXP47.204	20	G 1B	4	–	100	–	175	–	175			
	VMP47.10-.	10	G ½B	0.25 / 0.4	–	400	–	400	–	400			
	VMP47.10-.	10	G ½B	0.63 / 1	–	250	–	400	–	400			
	VMP47.10-16	10	G ½B	1.6	–	150	–	300	–	300			
	VMP47.15-25	15	G ¾B	2.5	–	150	–	300	–	300			

Union nuts for threaded valves	
Union nuts for threaded valves	See page 9

VVP45..N with Serto compression fittings, k_{vs} = 2.5 / 4 / 6.3 m³/h
 VVP45..S, VMP45..S with Conex® compression fittings, k_{vs} = 0.63 / 1 / 1.6 / 2.5 m³/h
 VVP47..S, VMP47..S with Conex® compression fittings, k_{vs} = 0.63 / 1 / 1.6 / 2.5 m³/h
¹⁾ .. = k_{vs} value
²⁾ In control mode (warm-up time) min. running time approx. 30s/mm



BUILDING AUTOMATION DEVICES/SELECTION TABLE

Acvatix Valves and Actuators

Threaded globe valves													
Typical applications	Actuators	Data sheet			2.5 mm		4.5 mm		2.5mm				
– Floor heating – Fan coil units – Zone control	SFA.. SUA21/1 STA.. SSA31.04 ¹⁾	N4863 N4830 N4884 N4860			200N	150N	100N	160N					
	Operating voltage	Positioning signal	Positioning time [s]	Spring return function [s]									
	AC 230V	2-position	10	30–50	SFA21/18	–	–	–	–				
		2-position	210	–	–	–	–	STA23	–				
		2-position/SPST ²⁾	10	–	–	–	SUA21/3	–	–				
	AC 24V	3-position/SPDT ²⁾	43	–	–	–	–	–	–	SSA31.04			
2-position		10	30–50	SFA71/18	–	–	–	–					
AC/DC 24V	0... 10V	270 ³⁾	–	–	–	–	–	STA63	–				
	2-position/PDM	270	–	–	–	–	–	STA73	–				
PN 16	1... 110 °C	DN	Rp [Inch]	k _{vs} [m ³ /h]	Δp _s [kPa]	Δp _{max} [kPa]	Δp _s [kPa]	Δp _{max} [kPa]	Δp _s [kPa]	Δp _{max} [kPa]	Δp _s [kPa]	Δp _{max} [kPa]	
Data sheet	N4842												
		VVI46.15	15	Rp 1/2	2	300	300	300	300	200	200	200	200
		VVI46.20	20	Rp 3/4	3.5	300	300	300	300	200	200	200	200
		VVI46.25	25	Rp 1	5	300	300	250	250	200	200	200	200
		VXI46.15 ⁴⁾	15	Rp 1/2	2	–	300	–	300	–	200	–	200
		VXI46.20 ⁴⁾	20	Rp 3/4	3.5	–	300	–	300	–	200	–	200
		VXI46.25 ⁴⁾	25	Rp 1	5	–	300	–	300	–	200	–	200
		VXI46.25T ⁵⁾	25	Rp 1	5	–	200	–	200	–	200	–	200

Thermal actuators and connecting cables for combinable range, STx..3.												
Color		White							Black			
Equipped with		–	Function module DC 0... 10V		Auxiliary switch for STA	Auxiliary switch for STP	LED		–			
Positioning signal		2-position (On/Off)	DC 0... 10V	DC 0... 10V	2-position (On/Off)	2-position (On/Off)	2-position (On/Off)		2-position (On/Off)			
		[STA...,NC]	[STA...,NC]	–	[STA...,NC]	–	[STA...,NC]		[STA...,NC]			
		[STP...,NO]	–	[STP...,NO]	–	[STP...,NO]	[STP...,NO]		[STP...,NO]			
Standard PVC cables	1 m				ASA23U10	ASP23U10						
	2 m	ASY23L20	ASY6AL20	ASY6PL20			ASY23L20LD					
	3 m											
	5 m	ASY23L50							ASY23L30B			
	10 m	ASY23L100							ASY23L50B			
	15 m	ASY23L150										
Halogen-free cables	2 m	ASY23L20HF	ASY6AL20HF	ASY6PL20HF								
	5 m	ASY23L50HF										
	10 m	ASY23L100HF										
Actuator												
STA73/00		■	■		■		■					
STA23/00		■			■							
STP73/00		■		■		■	■					
STP23/00		■				■						
STA73PR/00 ⁶⁾		■			■		■					
STP73PR/00 ⁶⁾		■				■	■					
STA73MP/00 ⁷⁾		■	■		■		■					
STA23MP/00 ⁷⁾		■			■							
STA73B/00									■			
STA23B/00									■			

¹⁾ Not suited for radiator valves

²⁾ SPST = single-pole single-throw, SPDT = single-pole double-throw

³⁾ In control mode (warm-up time) min. running time approx. 30 s/min

⁴⁾ 70% k_{vs} in bypass, leakage rate in bypass 2...5% of k_{vs} value

⁵⁾ 100% k_{vs} in bypass, leakage rate in bypass 0.05% of k_{vs} value. For noiseless operation, the value of 100 kPa should not be exceeded.

⁶⁾ Actuators ideal for parallel running. Pulse duration modulation (PDM) in connection with Siemens room controllers of the Desigo TM range and room thermostats.

⁷⁾ Multipack with 50 actuators (OEM) NC: normally closed, NO: normally open



Threaded globe valves

Typical applications – District heating – Boiler plants – Chiller plants – Domestic hot water – Heating groups – Air handling units	Actuators SAX.. SKD.. SKB..	Data sheet		Spring return function [s]	20 mm						
		N4501 N4561 N4564	Positioning time [s]		800N	1000N	2800N				
					Operating voltage	Positioning signal	SAX	SKD	SKB		
 	AC 230V	3-position	120	120	120	–	–	SAX31.00	SKD32.50	SKB32.50	
			–	120	120	8	10	–	SKD32.50	SKB32.50	
			30	–	–	–	–	–	–	–	
		AC 24 V ¹⁾	3-position	120	120	120	–	–	SAX81.00	SKD82.50	SKB82.50
				–	120	120	8	10	–	SKD82.50	SKB82.50
				30	–	–	–	–	–	–	–
		0...10 V, 4...20A	–	30	120	–	–	–	–	SKD60	SKB60
				–	30	120	15	10	–	SKD62	SKB62
				30	–	–	–	–	–	–	–
		AC/DC 24V	0...10 V, 4...20A	30	–	–	–	–	SAX61.00	–	–

PN 16	-25... 150 °C ²⁾	Data sheet		DN	G [Inch]	k_{vs} [m ³ /h]	Δp_s [kPa]	Δp_{max} [kPa]	Δp_s [kPa]	Δp_{max} [kPa]	Δp_s [kPa]	Δp_{max} [kPa]
	N4363	N4463		15	G 1B	0.63 / 1	1600	800	1600	800	1600	800
	VVG41.11..12	–	–	15	G 1B	1.6	1600	800	1600	800	1600	800
	VVG41.13	–	VXG41.1301	15	G 1B	2.5	1600	800	1600	800	1600	800
	VVG41.14	–	VXG41.1401	15	G 1B	4	1600	800	1600	800	1600	800
	VVG41.15	–	VXG41.1501	15	G 1B	6.3	1600	800	1600	800	1600	800
	VVG41.20	–	VXG41.2001	20	G 1 1/4B	10	1550	800	1600	800	1600	800
	VVG41.25	–	VXG41.2501	25	G 1 1/2B	16	875	800	1275	800	1600	800
	VVG41.32	–	VXG41.3201	32	G 2B	25	525	525	775	775	1600	800
	VVG41.40	–	VXG41.4001	40	G 2 1/4B	40	300	300	450	450	1225	800
	VVG41.50	–	VXG41.5001	50	G 2 3/4B							

Union nuts for threaded valves ³⁾

	Type		G [Inch]	R, Rp [Inch]	Material
	Set of 2	Set of 3			
 	ALG132	ALG133	G 1/2B	R \emptyset (Externally threaded)	Brass
	ALG142	ALG143	G 3/4B	R 1/2 (Externally threaded)	Brass
	ALG122	ALG123	G 3/4B	Rp \emptyset	Malleable cast iron
	ALG152	ALG153	G 1B	Rp 1/2	Malleable cast iron
	ALG152B	ALG153B	G 1B	Rp 1/2	Brass
	ALG202	ALG203	G 1 1/4B	Rp 3/4	Malleable cast iron
	ALG202B	ALG203B	G 1 1/4B	Rp 3/4	Brass
	ALG252	ALG253	G 1 1/2B	Rp 1	Malleable cast iron
	ALG252B	ALG253B	G 1 1/2B	Rp 1	Brass
	ALG322	ALG323	G 2B	Rp 1 1/4	Malleable cast iron
	ALG322B	ALG323B	G 2B	Rp 1 1/4	Brass
	ALG402	ALG403	G 2 1/4B	Rp 1 1/2	Malleable cast iron
	ALG402B	ALG403B	G 2 1/4B	Rp 1 1/2	Brass
	ALG502	ALG503	G 2 3/4B	Rp 2	Malleable cast iron
	ALG502B	ALG503B	G 2 3/4B	Rp 2	Brass
	Type		G [Inch]	$\emptyset d$ [mm]	Material
	Set of 2				
	ALS152		G 3/4B	21.3	Steel, weldable
	ALS202		G 1B	26.8	Steel, weldable
ALS252		G 1 1/4B	33.7	Steel, weldable	

¹⁾ SAX81..AC /DC 24V












²⁾ SAX.. max. 130°C

³⁾ Valve side: cylindrical thread G according to ISO 228-1 pipe side: ALG.. with cylindrical Rp- or tapered R-thread according to ISO 7-1 Pipe side: ALS..with welded connection



BUILDING AUTOMATION DEVICES/SELECTION TABLE

Acvatix Valves and Actuators

Threaded globe valves														
Typical applications – Boiler plants – Domestic hot water – Heating groups – Air handling unit	Actuators		Data sheet		400N Spring return function [s]	5.5mm								
	SAS..		N4581											
	Operating voltage		Positioning signal			Positioning time [s]								
	AC 230V		3-position			120	–	SAS31.00	–	–				
			3-position			30	–	SAS31.0B	–	–				
			3-position			120	28	–	SAS31.50	–	–			
			3-position			30	14	–	SAS31.5B	–	–			
	AC/DC 24V		0... 10V,			30	–	SAS61.0B	–	–				
			4... 20 mA,			30	14	–	–	–	SAS61.3B			
			0... 1000Ω			30	14	–	–	SAS61.5B	–			
3-position			120	–	SAS81.00	–	–							
3-position			30	–	SAS81.0B	–	–							
3-position		30	14	–	–	–	–	SAS81.3B						
PN 16	1... 120 °C				DN	G [Inch]	k_{vs} [m³/h]	Δp_s [kPa]	Δp_{max} [kPa]	Δp_s [kPa]	Δp_{max} [kPa]			
Data sheet	N4364		N4464											
	VVG44.15-.. ¹⁾		VXG44.15-..	15	G 1B	0.25 / 0.4 / 0.63	1600	400	1600	400	1600	400		
	VVG44.15-..		VXG44.15-..	15	G 1B	1 / 1.6	725	400	725	400	725	400		
	VVG44.15-..		VXG44.15-..	15	G 1B	2.5 / 4	400	400	400	400	400	400		
	VVG44.20-6.3		VXG44.20-6.3	20	G 1¼B	6.3	750	400	750	400	750	400		
	VVG44.25-10		VXG44.25-10	25	G 1½B	10	400	400	400	400	400	400		
	VVG44.32-16		VXG44.32-16	32	G 2B	16	250	250	250	250	250	250		
	VVG44.40-25		VXG44.40-25	40	G 2¼B	25	125	125	125	125	125	125		
Typical applications – Boiler plants – Heating groups – Air handling units	Actuators		Data sheet		300N Spring return function [s]	5.5mm								
	SSC..		N4895											
	Operating voltage		Position - ing signal			Positioning time [s]		Spring return function [s]						
	AC 230V		3-position			150	–	SSC31						
	AC 24 V		3-position			150	–	SSC81						
	AC/DC 24V		0... 10V			30	–	SSC61						
0... 10V			30	30	SSC61.5									
PN 16	1... 110 °C				DN	G [Inch]	k_{vs} [m³/h]	Δp_s [kPa]		Δp_{max} [kPa]				
Data sheet	N4845		N4845											
	VVP45.20-4		VXP45.20-4	20	G 1B	4	350		350					
	VVP45.25-6.3		VXP45.25-6.3	25	G 1¼B	6.3	300		300					
	VVP45.25-10		VXP45.25-10	25	G 1½B	10	300		300					
	VVP45.32-16		VXP45.32-16	32	G 2B	16	175		175					
	VVP45.40-25		VXP45.40-25	40	G 2¼B	25	75		75					
Typical applications – District heating – Boiler plants	Actuators		Data sheet		300N Spring return function [s]	5.5mm								
	SAT..		N4584											
	Operating voltage		Position - ing signal			Positioning time [s]		Spring return function [s]						
	AC 230V		3-position			8	–	SAT31.00						
			3-position			15	8	SAT31.5						
	AC/DC 24V		0... 10V,			8	–	SAT61.00						
4... 20 mA,			15	8	SAT61.5									
0... 1000Ω														
PN 25	1... 130 °C				DN	G [Inch]	k_{vs} [m³/h]	Δp_s [kPa]	Δp_{max} [kPa]	Δp_s [kPa]	Δp_{max} [kPa]			
Data sheet	N4380													
	VVG549.15-.. ¹⁾			15	G ¾B	0.25 / 0.4 / 0.63	2500	1200	2500	1200				
	VVG549.15-..			15	G 3¼B	1 / 1.6 / 2.5	2000	1200	2000	1200				
	VVG549.20-4K			20	G 1B	5	1600	1200	1600	1200				
	VVG549.25-6.3K			25	G 1¼B	6.3	1600	1200	1600	1200				

¹⁾ .. =insert k_{vs} value



Flanged globe valves

Typical applications – District heating – Boiler plants – Chiller plants – Domestic hot water – Heating groups – Air handling units	Actuators SAX.. SKD.. SKB.. SKC..	Data sheet N4501 N4561 N4564 N4566	Positioning time [s]		Spring return function [s]	20 mm							
						800N	1000N	2800N	40 mm 2800N				
	Operating voltage	Positioning signal	SAX	SKD	SKB/C	SKD	SKB/C						
	AC 230V	3-position	120	120	120	–	–	SAX31.00	SKD32.50	SKB32.50	SKC32.60		
		3-position	–	120	120	8	10/18	–	SKD32.51	SKB32.51	SKC32.61		
		3-position	30	–	–	–	–	SAX31.0B	–	–	–		
		3-position	–	30	–	8	–	–	SKD32.21	–	–		
	AC 24 V ¹⁾	3-position	120	120	120	–	–	SAX81.00	SKD82.50	SKB82.50	SKC82.60		
		3-position	–	120	120	8	10/18	–	SKD82.51	SKB82.51	SKC82.61		
		3-position	30	–	–	–	–	SAX81.0B	–	–	–		
		0...10 V, 4...20A	–	30	120	–	–	–	SKD60	SKB60	SKC60		
		0...10 V, 4...20A	–	30	120	15	10/20	–	SKD62	SKB62	SKC62		
	AC/DC 24V	0...10 V, 4...20A	30	–	–	–	–	SAX61.0B	–	–	–		
PN 6	-10...130 °C												
Data sheet	N4401	N4401	DN	k_{vs} [m³/h]	Δp_s [kPa]	Δp_{max} [kPa]	Δp_s [kPa]	Δp_{max} [kPa]	Δp_s [kPa]	Δp_{max} [kPa]	Δp_s [kPa]	Δp_{max} [kPa]	
	VVF22.25-.. ²⁾	VXF22.25-.	25	2.5 / 4 / 6.3 / 10	600	300	600	300	600	300	–	–	
	VVF22.40-.	VXF22.40-.	40	16 / 25	550	300	600	300	600	300	–	–	
	VVF22.50-40	VXF22.50-40	50	40	350	300	450	300	600	300	–	–	
	VVF22.65-6	VXF22.65-6	65	63	200	150	250	200	600	300	–	–	
	VVF22.80-100	VXF22.80-100	80	100	125	75	175	125	450	300	–	–	
	VVF22.100-16	VXF22.100-16	100	160	–	–	–	–	–	–	300	250	
PN 10	-10...150 °C ³⁾												
Data sheet	N4402	N4402	DN	k_{vs} [m³/h]	Δp_s [kPa]	Δp_{max} [kPa]	Δp_s [kPa]	Δp_{max} [kPa]	Δp_s [kPa]	Δp_{max} [kPa]	Δp_s [kPa]	Δp_{max} [kPa]	
	VVF32.15-.. ²⁾	VXF32.15-.	15	1.6 / 2.5 / 4	1000	400	1000	400	1000	400	–	–	
	VVF32.25-.	VXF32.25-.	25	6.3 / 10	1000	400	1000	400	1000	400	–	–	
	VVF32.40-.	VXF32.40-.	40	16 / 25	550	400	750	400	1000	400	–	–	
	VVF32.50-40	VXF32.50-40	50	40	350	300	450	400	1000	400	–	–	
	VVF32.65-6	VXF32.65-6	65	63	200	150	250	200	700	400	–	–	
	VVF32.80-100	VXF32.80-100	80	100	125	75	175	125	450	400	–	–	
	VVF32.100-16	VXF32.100-16	100	160	–	–	–	–	–	–	300	250	
	VVF32.125-20	VXF32.125-20	125	250	–	–	–	–	–	–	190	160	
	VVF32.150-40	VXF32.150-40	150	400	–	–	–	–	–	–	125	100	
PN 16	-10...150 °C ³⁾												
Data sheet	N4403	N4403	DN	k_{vs} [m³/h]	Δp_s [kPa]	Δp_{max} [kPa]	Δp_s [kPa]	Δp_{max} [kPa]	Δp_s [kPa]	Δp_{max} [kPa]	Δp_s [kPa]	Δp_{max} [kPa]	
	VVF42.15-.. ²⁾	VXF42.15-.	15	1.6 / 2.5 / 4	1600	400	1600	400	1600	400	–	–	
	VVF42.20-63	VXF42.20-63	20	6.3	1600	400	1600	400	1600	400	–	–	
	VVF42.25-.	VXF42.25-.	25	6.3 / 10	1600	400	1600	400	1600	400	–	–	
	VVF42.32-16	VXF42.32-16	32	16	900	400	1200	400	1600	400	–	–	
	VVF42.40-.	VXF42.40-.	40	16 / 25	550	400	750	400	1600	400	–	–	
	VVF42.50-.	VXF42.50-.	50	31.5 / 40	350	300	450	400	1200	400	–	–	
	VVF42.65-.	VXF42.65-.	65	50 / 63	200	150	250	200	700	400	–	–	
	VVF42.80-.	VXF42.80-.	80	80 / 100	125	75	175	125	450	400	–	–	
	VVF42.100-.	VXF42.100-.	100	125 / 160	–	–	–	–	–	–	300	250	
	VVF42.125-.	VXF42.125-.	125	200 / 250	–	–	–	–	–	–	190	160	
	VVF42.150-.	VXF42.150-.	150	315 / 400	–	–	–	–	–	–	125	100	
	VVF42.50-40	–	50	40	1600	400	1600	400	1600	400	–	–	
	VVF42.65-6	–	65	63	1600	400	1600	400	1600	400	–	–	
	VVF42.80-100	–	80	100	1600	400	1600	400	1600	400	–	–	
	VVF42.100-16	–	100	160	–	–	–	–	–	–	1600	400	
	VVF42.125-25	–	125	250	–	–	–	–	–	–	1600	400	
	VVF42.150-36	–	150	360	–	–	–	–	–	–	1600	400	
PN 16	-20...20 °C												
Data sheet	N4404	N4404	DN	k_{vs} [m³/h]	Δp_s [kPa]	Δp_{max} [kPa]	Δp_s [kPa]	Δp_{max} [kPa]	Δp_s [kPa]	Δp_{max} [kPa]	Δp_s [kPa]	Δp_{max} [kPa]	
	VVF43.65-50	–	65	50	–	–	–	–	–	–	700	650	
	VVF43.65-6	VXF43.65-6	65	63	–	–	–	–	–	–	700	650	
	VVF43.80-80	–	80	80	–	–	–	–	–	–	450	400	
	VVF43.80-100	VXF43.80-100	80	100	–	–	–	–	–	–	450	400	
	VVF43.100-12	–	100	125	–	–	–	–	–	–	300	250	
	VVF43.100-16	VXF43.100-16	100	160	–	–	–	–	–	–	300	250	
	VVF43.125-20	–	125	200	–	–	–	–	–	–	190	160	
	VVF43.125-25	VXF43.125-25	125	250	–	–	–	–	–	–	190	160	
	VVF43.150-35	–	150	315	–	–	–	–	–	–	125	100	
	VVF43.150-40	VXF43.150-40	150	400	–	–	–	–	–	–	125	100	
	VVF43.65-6	–	65	63	–	–	–	–	–	–	1600	800	
	VVF43.80-100	–	80	100	–	–	–	–	–	–	1600	800	
	VVF43.100-15	–	100	150	–	–	–	–	–	–	1600	800	
	VVF43.125-22	–	125	220	–	–	–	–	–	–	1600	800	
	VVF43.150-31	–	150	315	–	–	–	–	–	–	1600	800	
	VVF43.200-45	–	200	450	–	–	–	–	–	–	1200	800	
	VVF43.250-63	–	250	630	–	–	–	–	–	–	1000	800	



BUILDING AUTOMATION DEVICES/SELECTION TABLE

Acvatix Valves and Actuators

Threaded pressure independent combi valves (PICV)																
Typical applications – Radiators – Chilled ceilings – Fan coil units	Actuators		Data sheet							4.5 mm		2.5mm				
	RTN.. STA.. SSA..		N2111 N4884 N4893							100N		100N				
	Operating voltage		Positioning signal		Positioning time [s]					–		STA23		–		
	AC 230V		2-position		210					–		–		SSA31		
			3-position		150					–		–		SSA81		
	AC 24V		0...10V		270 ¹⁾					–		STA63		–		
	AC/DC 24V		2-position /PDM		270					–		STA73		–		
			0...10V		34					–		–		SSA61		
										RTN51		–		–		
										RTN71		–		–		
							RTN81		–		–					
PN 10	1...90 °C		DIN		DN	Rp/R [Inch]	V [l/h]	V_{Nom} ²⁾ [l/h]		Δp_{min} [kPa]	Δp_{max} [kPa]	Δp_{min} [kPa]	Δp_{max} [kPa]	Δp_{min} [kPa]	Δp_{max} [kPa]	
Data sheet			N2185													
	VPD110A-.. ²⁾		10	Rp/R Ø	25... 318	45	90	145	6 ³⁾	200	8 ³⁾	200	10 ³⁾	200		
	VPD115A-..		15	Rp/R ½	25... 318	45	90	145	6 ³⁾	200	8 ³⁾	200	10 ³⁾	200		
	VPD110B-2Ø		10	Rp/R Ø	95... 483	200			20	200	20	200	20	200		
	VPD115B-2Ø		15	Rp/R ½	95... 483	200			20	200	20	200	20	200		
	VPE110A-..		10	Rp/R Ø	25... 318	45	90	145	6 ³⁾	200	8 ³⁾	200	10 ³⁾	200		
	VPE115A-..		15	Rp/R ½	25... 318	45	90	145	6 ³⁾	200	8 ³⁾	200	10 ³⁾	200		
	VPE110B-2Ø		10	Rp/R Ø	95... 483	200			20	200	20	200	20	200		
	VPE115B-2Ø		15	Rp/R ½	95... 483	200			20	200	20	200	20	200		
Typical applications – Heating groups – Air handling units – Chilled ceilings – VAV – Fan coil units – Zone control	Actuators		Data sheet					4.5 mm		2.5/5 mm		15 mm				
	STA.. SSA.. SAY.P..		N4884 N4893 A6V106284Ø					100N		100N		200N				
	Operating voltage		Positioning signal		Positioning time [s]			–		SSA31		SAY31P03				
	AC 230V		3-position		–			150/300		30		–				
			2-position		210			–		–		STA23				
	AC 24V		0...10V		270 ¹⁾			–		–		STA63				
	AC/DC 24V		3-position		–			150/300		30		–				
			2-position/PDM		270			–		–		SSA81				
			0...10V		–			34/70		30		–				
												SSA61/SSA61EP				
											SAY61P03					
PN 25	1...120 °C		Without pressure testing points		With pressure testing points		DN	G [Inch]	V_{min} [l/h]	V₁₀₀ [l/h]	Δp_{min} [kPa]	Δp_{max} [kPa]	Δp_{min} [kPa]	Δp_{max} [kPa]	Δp_{min} [kPa]	Δp_{max} [kPa]
Data sheet			N4855													
	VPP46.1Ø0.2		VPP46.1Ø0.2Q		10	½	30	200	16	600	16	600	–	–		
	VPP46.1Ø0.6		VPP46.1Ø0.6Q		15	¾	30	200	16	600	16	600	–	–		
	VPP46.1Ø1.4		VPP46.1Ø1.4Q		15	¾	100	575	19	600	19	600	–	–		
	VPP46.2Ø1.4		VPP46.2Ø1.4Q		20	1	200	1190	21	600	–	–	–	–		
					20	1	220	1330	–	–	22	600	–	–		
	VPP46.2Ø1.8		VPP46.2Ø1.8Q		25	1 ¼	204	1470	39	600	–	–	–	–		
					25	1 ¼	250	1800	–	–	39	600	–	–		
VPP46.3Ø1.4		VPP46.3Ø1.4Q		32	1 ½	450	3270	24	600	–	–	–	–			
				32	1 ½	550	4001	–	–	28	600	–	–			
PN 25	1...120 °C		Without pressure testing points		With pressure testing points		DN	Rp [Inch]	V_{min} [l/h]	V₁₀₀ [l/h]	Δp_{min} [kPa]	Δp_{max} [kPa]	Δp_{min} [kPa]	Δp_{max} [kPa]	Δp_{min} [kPa]	Δp_{max} [kPa]
Data sheet			N4855													
	VPI46.1Ø0.2		VPI46.1Ø0.2Q		15	½	30	200	16	600	16	600	–	–		
	VPI46.1Ø0.6		VPI46.1Ø0.6Q		15	½	100	575	19	600	19	600	–	–		
	VPI46.2Ø1.4		VPI46.2Ø1.4Q		20	¾	200	1190	21	600	–	–	–	–		
					20	¾	220	1330	–	–	22	600	–	–		
	VPI46.2Ø1.8		VPI46.2Ø1.8Q		25	1 ¼	204	1470	39	600	–	–	–	–		
					25	1 ¼	250	1800	–	–	39	600	–	–		
	VPI46.3Ø1.4		VPI46.3Ø1.4Q		32	1 ½	450	3270	24	600	–	–	–	–		
				32	1 ½	550	4001	–	–	28	600	–	–			
–		VPI46.4Ø1.8Q		40	1 ½	1370	9500	–	–	–	–	–	25	600		
–		VPI46.5Ø1.2Q		50	2	1400	11500	–	–	–	–	–	36	600		



Flanged pressure independent combi valves (PICV)											
Typical applications – District heating – Heating groups – Air handling units	Actuators	Data sheet				20 mm	20/40 mm	40 mm			
		SAX.P.. SQV91P.. SAV.P..	N4509 N4833 N4510				500N	1100N	1100N		
											
	Operating voltage	Positioning signal	Positioning time [s]			Spring return function [s]					
	AC 230V	3-position	30	–	120	–	SAX31P03	–	SAV31P00		
		3-position	–	40/80	–	30	–	SQV91P40 ¹⁾	–		
		3-position	–	40/80	–	30	–	SQV91P30 ²⁾	–		
	AC/DC 24V	3-position	30	–	120	–	SAX81P03	–	SAV81P00		
		3-position	–	40/80	–	30	–	SQV91P40 ¹⁾	–		
		3-position	–	40/80	–	30	–	SQV91P30 ²⁾	–		
0...10 V, 4...20 mA		30	–	120	–	SAX61P03	–	SAV61P00			
0...10 V, 4...20 mA		–	40/80	–	30	–	SQV91P40 ¹⁾	–			
0...10 V, 4...20 mA	–	40/80	–	30	–	–	SQV91P30 ²⁾	–			
PN 16	1...10 °C			DN	V_{min} [m ³ /h]	V_{100} [m ³ /h]	Δp_{min} [kPa]	$\Delta p_s / \Delta p_{max}$ [kPa]	$\Delta p_s / \Delta p_{max}$ [kPa]	$\Delta p_s / \Delta p_{max}$ [kPa]	
Data sheet	N4315										
	VPF43.5Ø16	50	2.3	15	35	600	600	600	600	–	
	VPF43.5Ø25	50	4.3	25	70	600	600	600	600	–	
	VPF43.6Ø24	65	4.4	24	35	600	600	600	600	–	
	VPF43.6Ø35	65	6	35	70	600	600	600	600	–	
	VPF43.8Ø35	80	5.3	34	35	600	600	600	600	–	
	VPF43.8Ø45	80	7	43	70	600	600	600	600	–	
	VPF43.10Ø70	100	12.1	68	35	–	600	600	600	600	
	VPF43.10Ø90	100	14.8	90	75	–	600	600	600	600	
	VPF43.12Ø110	125	18.5	110	35	–	600	600	600	600	
	VPF43.12Ø135	125	23	135	53	–	600	600	600	600	
	VPF43.15Ø160	150	25.6	148	35	–	600	600	600	600	
	VPF43.15Ø200	150	32	195	65	–	600	600	600	600	
PN 25	1...10 °C			DN	V_{min} [m ³ /h]	V_{100} [m ³ /h]	Δp_{min} [kPa]	$\Delta p_s / \Delta p_{max}$ [kPa]	$\Delta p_s / \Delta p_{max}$ [kPa]	$\Delta p_s / \Delta p_{max}$ [kPa]	
Data sheet	N4316										
	VPF53.5Ø16	50	2.3	15	35	600	600	600	600	–	
	VPF53.5Ø25	50	4.3	25	70	600	600	600	600	–	
	VPF53.6Ø24	65	4.4	24	35	600	600	600	600	–	
	VPF53.6Ø35	65	6	35	70	600	600	600	600	–	
	VPF53.8Ø35	80	5.3	34	35	600	600	600	600	–	
	VPF53.8Ø45	80	7	43	70	600	600	600	600	–	
	VPF53.10Ø70	100	12.1	68	35	–	600	600	600	600	
	VPF53.10Ø90	100	14.8	90	75	–	600	600	600	600	
	VPF53.12Ø110	125	18.5	110	35	–	600	600	600	600	
	VPF53.12Ø135	125	23	135	53	–	600	600	600	600	
	VPF53.15Ø160	150	25.6	148	35	–	600	600	600	600	
	VPF53.15Ø200	150	32	195	65	–	600	600	600	600	

¹⁾ Fail-safe function: valve closed

²⁾ Fail-safe function: valve open



BUILDING AUTOMATION DEVICES/SELECTION TABLE

Acvatix Valves and Actuators

Control ball valves														
Typical applications		Actuators		Data sheet				Spring return function [s]	2 Nm	5 Nm	7 Nm	10 Nm		
<ul style="list-style-type: none"> – Domestic hot water – Heating groups – Air handling units – Chilled ceilings – VAV – Fan coil units – Zone control 		<ul style="list-style-type: none"> GQD..9A GSD..9A GDB..9E GDB111.9E/KN GMA..9E GLB..9E 		<ul style="list-style-type: none"> N4659 A6V106360B A6V106361B A6V107253B N4658 A6V106362B 										
Operating voltage		Positioning signal		Positioning time [s]										
AC 100...240V		3-position		G.D	G.B	GMA								
AC 24 V		KNX S-/LTE-Mode, KNX PL-Link		150	–	–								
AC/DC 24V		3-position		30	–	90	15	GQD131.9A	–	GMA131.9E	–			
		3-position		–	150	–	–	–	GDB141.9E	–	GLB141.9E			
		0...10V		30	–	90	15	GQD161.9A	–	GMA161.9E	–			
		0/2...10V		30	150	–	–	GSD161.9A	GDB161.9E	–	GLB161.9E			
PN 40	-10... 120 °C			DN	G [Inch]	k _{vs} [m ³ /h]	Δp _s [kPa]	Δp _{max} [kPa]	Δp _s [kPa]	Δp _{max} [kPa]	Δp _s [kPa]	Δp _{max} [kPa]	Δp _s [kPa]	Δp _{max} [kPa]
Data sheet	N4211			N4211										
	VAG61.15-.. ¹⁾			15	G 1B	1.6/2.5/4/6.3	1400	350	1400	350	1400	350	1400	350
	VAG61.15-..			15	G 1B	1	1400	350	1400	350	1400	350	1400	350
	VAG61.20-..			20	G 1 1/4B	4/6.3	1400	350	1400	350	1400	350	1400	350
	VAG61.20-0			20	G 1 1/4B	10	1400	350	1400	350	1400	350	1400	350
	VAG61.25-0			25	G 1 1/2B	10	1400	350	1400	350	1400	350	1400	350
	VAG61.25-0			25	G 1 1/2B	6.3/16	1400	350	1400	350	1400	350	1400	350
	VAG61.32-0			32	G 2B	10	–	–	–	1000	350	1000	350	350
	VAG61.32-0			32	G 2B	16	–	–	–	1000	350	1000	350	350
	VAG61.32-0			32	G 2B	25	–	–	–	1000	350	1000	350	350
	VAG61.40-0			40	G 2 1/4B	16	–	–	–	800	350	800	350	350
	VAG61.40-0			40	G 2 1/4B	25	–	–	–	800	350	800	350	350
	VAG61.40-0			40	G 2 1/4B	40	–	–	–	800	350	800	350	350
	VAG61.50-0			50	G 2 3/4B	25	–	–	–	600	350	600	350	350
	VAG61.50-0			50	G 2 3/4B	40	–	–	–	600	350	600	350	350
	VAG61.50-0			50	G 2 3/4B	63	–	–	–	600	350	600	350	350
PN 40	-10... 120 °C			DN	Rp [Inch]	k _{vs} [m ³ /h]	Δp _s [kPa]	Δp _{max} [kPa]	Δp _s [kPa]	Δp _{max} [kPa]	Δp _s [kPa]	Δp _{max} [kPa]	Δp _s [kPa]	Δp _{max} [kPa]
Data sheet	N4211			N4211										
	VAI61.15-.. ¹⁾			15	Rp 1/2	1.6/2.5/4/6.3	1400	350	1400	350	1400	350	1400	350
	VAI61.15-..			15	Rp 1/2	1/10	1400	350	1400	350	1400	350	1400	350
	VAI61.20-..			20	Rp 3/4	4/6.3	1400	350	1400	350	1400	350	1400	350
	VAI61.20-0			20	Rp 3/4	10	1400	350	1400	350	1400	350	1400	350
	VAI61.25-0			25	Rp 1	10	1400	350	1400	350	1400	350	1400	350
	VAI61.25-..			25	Rp 1	6.3/16	1400	350	1400	350	1400	350	1400	350
	VAI61.32-0			32	Rp 1 1/4	10	–	–	–	1000	350	1000	350	350
	VAI61.32-0			32	Rp 1 1/4	16	–	–	–	1000	350	1000	350	350
	VAI61.32-0			32	Rp 1 1/4	25	–	–	–	1000	350	1000	350	350
	VAI61.40-0			40	Rp 1 1/2	16	–	–	–	800	350	800	350	350
	VAI61.40-0			40	Rp 1 1/2	25	–	–	–	800	350	800	350	350
	VAI61.40-0			40	Rp 1 1/2	40	–	–	–	800	350	800	350	350
	VAI61.50-0			50	Rp 2	25	–	–	–	600	350	600	350	350
	VAI61.50-0			50	Rp 2	40	–	–	–	600	350	600	350	350
	VAI61.50-0			50	Rp 2	63	–	–	–	600	350	600	350	350

¹⁾ .. = insert k_{vs} value; VBG61../VBI61... For noiseless operation, the Δp_{max} value of 200kPa should not be exceeded



6-port control ball valves

Typical applications		Actuators	Data sheet		2 Nm	5 Nm	5 Nm	5 Nm								
– Heated and chilled ceilings		GSD..9A GDB341.9E GDB111.9E/KN GDB161.9E	A6V106360B A6V106361B A6V107253B A6V106361B													
									Operating voltage	Positioning signal	Positioning time [s]					
											GSD	GDB				
									AC 100...240V	2-position	–	150	–	GDB341.9E	–	–
									AC 230V	2-position	30	–	GSD341.9A	–	–	–
									AC 24V	KNX S-/LTE-Mode, KNXPL-Link	–	150	–	–	GDB111.9E/KN	–
AC/DC 24V	0/2... 10V	30	150	GSD161.9A	–	–	GDB161.9E									
PN 16	5... 90 °C	DN	k _{vs} left [m³/h]	k _{vs} right [m³/h]	Δp _s [kPa]	Δp _{max} [kPa]	Δp _s [kPa]	Δp _{max} [kPa]	Δp _s [kPa]	Δp _{max} [kPa]	Δp _s [kPa]	Δp _{max} [kPa]				
Data sheet		A6V105644B														
		VWG41.10-0.25-Ø	10	0.25	0.4	–	200	–	200	–	200	–	200			
		VWG41.10-0.25-0.5	10	0.25	0.65	–	200	–	200	–	200	–	200			
		VWG41.10-0.25-Ø	10	0.25	1	–	200	–	200	–	200	–	200			
		VWG41.10-0.4-0.5	10	0.4	0.65	–	200	–	200	–	200	–	200			
		VWG41.10-0.4-Ø	10	0.4	1	–	200	–	200	–	200	–	200			
		VWG41.10-0.4-B	10	0.4	1.3	–	200	–	200	–	200	–	200			
		VWG41.10-0.4-1.6	10	0.4	1.6	–	200	–	200	–	200	–	200			
		VWG41.10-0.65-Ø	10	0.65	1	–	200	–	200	–	200	–	200			
		VWG41.10-0.65-B	10	0.65	1.3	–	200	–	200	–	200	–	200			
		VWG41.10-0.65-1.6	10	0.65	1.6	–	200	–	200	–	200	–	200			
		VWG41.10-1.0-B	10	1	1.3	–	200	–	200	–	200	–	200			
		VWG41.10-1.0-1.6	10	1	1.6	–	200	–	200	–	200	–	200			
		VWG41.10-1.0-Ø	10	1	1.9	–	200	–	200	–	200	–	200			
		VWG41.10-1.3-1.6	10	1.3	1.6	–	200	–	200	–	200	–	200			
		VWG41.10-1.3-Ø	10	1.3	1.9	–	200	–	200	–	200	–	200			
		VWG41.10-1.6-Ø	10	1.6	1.9	–	200	–	200	–	200	–	200			
		VWG41.10-1.9-Ø	10	1.9	1.9	–	200	–	200	–	200	–	200			
		VWG41.20-0.25-Ø	20	0.25	0.4	–	–	200	–	200	–	200	–	200		
		VWG41.20-0.25-0.5	20	0.25	0.65	–	–	200	–	200	–	200	–	200		
		VWG41.20-0.25-Ø	20	0.25	1	–	–	200	–	200	–	200	–	200		
		VWG41.20-0.4-Ø	20	0.4	1	–	–	200	–	200	–	200	–	200		
		VWG41.20-0.4-B	20	0.4	1.3	–	–	200	–	200	–	200	–	200		
		VWG41.20-0.4-1.6	20	0.4	1.6	–	–	200	–	200	–	200	–	200		
		VWG41.20-0.65-Ø	20	0.65	1	–	–	200	–	200	–	200	–	200		
		VWG41.20-0.65-1.6	20	0.65	1.6	–	–	200	–	200	–	200	–	200		
		VWG41.20-0.65-2.5	20	0.65	2.5	–	–	200	–	200	–	200	–	200		
		VWG41.20-1.0-1.6	20	1	1.6	–	–	200	–	200	–	200	–	200		
		VWG41.20-1.0-2.5	20	1	2.5	–	–	200	–	200	–	200	–	200		
		VWG41.20-1.6-2.5	20	1.6	2.5	–	–	200	–	200	–	200	–	200		
		VWG41.20-1.6-3.45	20	1.6	3.45	–	–	200	–	200	–	200	–	200		
		VWG41.20-2.5-3.45	20	2.5	3.45	–	–	200	–	200	–	200	–	200		
VWG41.20-2.5-4.25	20	2.5	4.25	–	–	200	–	200	–	200	–	200				
VWG41.20-4.25-4.25	20	4.25	4.25	–	–	200	–	200	–	200	–	200				

Fittings for 6-port control ball valves

Type	Description
ALN15.15B	Fittings set made of brass for media temperatures up to 90 °C, consisting of 2x cap nuts 2x inserts with external threading per ISO 228-1 2x flat seals
ALN15.20B	Fittings set made of brass for media temperatures up to 90 °C, consisting of 2x cap nuts with sleeves and insert per ISO 7-1 2x flat seals
ALG13.15B	
ALG15.15B	
ALG15.20B	
ALG15.25B	



BUILDING AUTOMATION DEVICES/SELECTION TABLE

Acvatix Valves and Actuators

Magnetic valves							
Typical applications	Valve type	Operating voltage	Positioning signal	Type suffix			
– District heating – Boiler plants – Chiller plants – Domestic hot water – Heating groups – Air handling units	MXF461.	AC/DC 24V	0...10 V, 210V, 4...20 mA	P ¹⁾			
	M3P.FY..	AC 24V	0...10 V, 420 mA	P ¹⁾			
	MVF461H..	AC/DC 24V	0...10 V, 2.10 Vp...20 mA/4...20 mA	–			
	MXG461.	AC/DC 24V	0...10 V, 2.10 Vp...20 mA	P ¹⁾			
	MXG461B.	AC/DC 24V	0...10 V, 2.10 Vp...20 mA/4...20 mA	–			
	MXG461S.	AC/DC 24V	0...10 V, 2.10 Vp...20 mA	–			
MXG462S.	AC/DC 24V	0...10 V, 2.10 Vp...20 mA/4...20 mA	–				
PN 16	1...10 °C	DN	k_{vs} [m ³ /h]	Δp_s [kPa]	Δp_{max} [kPa]	Note	
Data sheet	N4455						
	MXF461.15-.. ²⁾	15	0.6 / 1.5 / 3	300	300	To be used as 2-port or mixing valves, not as diverting valves. Selectable valve characteristic: equal-percentage or linear.	
	MXF461.20-50	20	5	300	300		
	MXF461.25-80	25	8	300	300		
	MXF461.32-2	32	12	300	300		
	MXF461.40-20	40	20	300	300		
	MXF461.50-20	50	30	300	300		
	MXF461.65-20	65	50	300	300		
1...10 °C							
	N4454						
	M3P80FY	80	80	300	300		
	M3P100FY	100	130	200	200		
PN 16	1...10 °C	DN	k_{vs} [m ³ /h]	Δp_s [kPa]	Δp_{max} [kPa]		
Data sheet	N4361						
	MVF461H15-.. ²⁾	15	0.6 / 1.5 / 3	1000	1000		
	MVF461H20-5	20	5	1000	1000		
	MVF461H25-8	25	8	1000	1000		
	MVF461H32-12	32	12	1000	1000		
	MVF461H40-20	40	20	1000	1000		
	MVF461H50-30	50	30	1000	1000		
PN 16	1...10 °C	DN	G [Inch]	k_{vs} [m ³ /h]	Δp_s [kPa]	Δp_{max} [kPa]	
Data sheet	N4455						
	MXG461.15-.. ²⁾	15	G 1B	0.6 / 1.5 / 3	300	300	
	MXG461.20-50	20	G 1¼B	5	300	300	
	MXG461.25-80	25	G 1½B	8	300	300	
	MXG461.32-2	32	G 2B	12	300	300	
	MXG461.40-20	40	G 2¼B	20	300	300	
	MXG461.50-20	50	G 2¾B	30	300	300	
PN 16	-20...10 °C	DN	G [Inch]	k_{vs} [m ³ /h]	Δp_s [kPa]	Δp_{max} [kPa]	
Data sheet	N4461						
	MXG461B15-.. ²⁾	15	G 1B	0.6 / 1.5 / 3	1000	1000	
	MXG461B205	20	G 1¼B	5	800	800	
	MXG461B258	25	G 1½B	8	700	700	
	MXG461B32-2	32	G 2B	12	600	600	
	MXG461B40-20	40	G 2¼B	20	600	600	
	MXG461B50-20	50	G 2¾B	30	600	600	
PN 16	1...130 °C	DN	G [Inch]	k_{vs} [m ³ /h]	Δp_s [kPa]	Δp_{max} [kPa]	
Data sheet	N4465						
	MXG461S15-15	15	G 1B	1.5	300	300	
	MXG461S20-50	20	G 1¼B	5	300	300	
	MXG461S25-80	25	G 1½B	8	300	300	
	MXG461S32-2	32	G 2B	12	300	300	
	–	MXG462S50-20	50	G 2¾B	30	600	600
	–	–	–	–	–	–	–

¹⁾ P = media containing mineral oil

²⁾ .. = insert k_{vs} value

³⁾ Parts that are in contact with medium in stainless steel



Slipper valves								
Typical applications	Actuators	Data sheet			5 Nm	5 Nm	10 Nm	
– Boiler plants – Heating groups	SQK34../84. SQK33. SAL..	N4508 N4506 N4502						
	Operating voltage	Positioning signal	Positioning time [s]					
			SQK	SQK33	SAL			
	AC 230V	3-position	135	125	120	SQK34.00	SQK33.00	SAL31.00T0
		3-position	–	–	30	–	–	SAL31.03T0
	AC 24V	3-position	135	–	–	SQK84.00	–	–
	AC/DC 24V	3-position	–	–	120	–	–	SAL81.00T0
		3-position	–	–	30	–	–	SAL81.03T0
		0...10 V, 4...20A	–	–	120	–	–	SAL61.00T0
		0...10 V, 4...20A	–	–	30	–	–	SAL61.03T0
	Mounting set				direct	ASK32	ASK31N	
PN 6	1...10 °C							
Data sheet	N4241	DN		k_{vs} [m ³ /h]	Δp_{max} [kPa]	Δp_{max} [kPa]	Δp_{max} [kPa]	
	VBF21.40	40		25	30	30	–	
	VBF21.50	50		40	30	30	–	
	VBF21.65	65		63	–	–	30	
	VBF21.80	80		100	–	–	30	
	VBF21.100	100		160	–	–	30	
	VBF21.125	125		550	–	–	30	
	VBF21.150	150		820	–	–	30	
PN 10	1...10 °C							
Data sheet	N4233	DN	G [Inch]	k_{vs} [m ³ /h]	Δp_{max} [kPa]	Δp_{max} [kPa]	Δp_{max} [kPa]	
	VBG31.20	20	G 1 1/4 B	6.3	30	30	–	
	VBG31.25	25	G 1 1/2 B	10	30	30	–	
	VBG31.32	32	G 2 B	16	30	30	–	
	VBG31.40	40	G 2 1/4 B	25	30	30	–	
PN 10	1...10 °C							
Data sheet	N4232	DN	Rp [Inch]	k_{vs} [m ³ /h]	Δp_{max} [kPa]	Δp_{max} [kPa]	Δp_{max} [kPa]	
	VBI31.20	20	Rp 3/4	6.3	30	30	–	
	VBI31.25	25	Rp 1	10	30	30	–	
	VBI31.32	32	Rp 1 1/4	16	30	30	–	
	VBI31.40	40	Rp 1 1/2	25	30	30	–	
PN 10	1...10 °C							
Data sheet	N4252	DN	Rp [Inch]	k_{vs} [m ³ /h]	Δp_{max} [kPa]	Δp_{max} [kPa]	Δp_{max} [kPa]	
	VCI31.20	20	Rp 3/4	6.3	30	30	–	
	VCI31.25	25	Rp 1	10	30	30	–	
	VCI31.32	32	Rp 1 1/4	16	30	30	–	
	VCI31.40	40	Rp 1 1/2	25	30	30	–	



BUILDING AUTOMATION DEVICES/SELECTION TABLE

Acvatix Valves and Actuators

Butterfly valves													
Typical applications	Actuators	Data sheet			Rotation angle 90°								
					10 Nm		40 Nm						
– Boiler plants – Chiller plants – Heating groups	SAL..	N4502											
	Operating voltage	Positioning signal	Positioning time [s]										
	AC 230V	3-position		120	SAL31.00T0		SAL31.00T40						
				125	-		-						
				30	SAL31.03T0		-						
	AC/DC 24V	3-position		120	SAL81.00T0		SAL81.00T40						
				30	SAL81.03T0		-						
0...10 V, 4...20mA			120	SAL61.00T0		SAL61.00T40							
			30	SAL61.03T0		-							
Mounting set				ASK33N			ASK33N						
PN 6/10/16	-10...10 °C		DN	k_{vs} [m³/h]	Δp_s [kPa]		Δp_s [kPa]						
Data sheet	N4131												
	VKF41.40	40	50	500	-		-						
	VKF41.50	50	80	500	-		-						
	VKF41.65	65	200	500	-		-						
	VKF41.80	80	400	500	-		-						
	VKF41.100	100	760	500	-		-						
	VKF41.125	125	1000	300	-		-						
	VKF41.150	150	2100	250	400		-						
	VKF41.200	200	4000	125	300		-						
Butterfly valves													
Typical applications	Actuators	Data sheet			Rotation angle 90°								
					20 Nm	40 Nm	40 Nm		100 Nm	400 Nm	1200 Nm		
– Boiler plants – Chiller plants – Cooling towers – Domestic hot water – Heating groups	SAL..	N4502											
	SQL36..	N4505											
	Operating voltage	Positioning signal	time [s]										
	AC 230V	3-position	6 ¹⁾	–	–	–	–	–	SQL36E65	–	–	–	–
			12 ¹⁾	–	–	–	–	–	–	SQL36E110	–	–	–
			24 ¹⁾	–	–	–	–	–	–	–	–	SQL36E160	–
			25	–	–	SQL36E50F04	SQL36E50F05	–	–	–	–	–	–
AC/DC 24V	3-position	120	SAL31.00T0	SAL31.00T40	–	–	–	–	–	–	–	–	
		120	SAL81.00T0	SAL81.00T40	–	–	–	–	–	–	–	–	
		120	SAL61.00T0	SAL61.00T40	–	–	–	–	–	–	–	–	
0...10 V, 4...20 mA													
PN 16	-10...10 °C		DN	k_{vs} [m³/h]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]		
Data sheet	N4136												
	VKF46.40	40	50	1600	–	1600	–	–	–	–	–		
	VKF46.50	50	85	1600	–	1600	–	–	–	–	–		
	VKF46.65	65	215	1600	–	1600	–	–	–	–	–		
	VKF46.80	80	420	–	1600	–	1600	–	–	–	–		
	VKF46.100	100	800	–	1200	–	1600	–	–	–	–		
	VKF46.125	125	1010	–	800	–	1000	–	–	–	–		
	VKF46.150	150	2100	–	–	–	–	1600	–	–	–		
	VKF46.200	200	4000	–	–	–	–	1000	–	–	–		
	VKF46.250	250	6400	–	–	–	–	–	1000	–	–		
	VKF46.300	300	8500	–	–	–	–	–	1000	–	–		
	VKF46.350	350	11500	–	–	–	–	–	600	–	–		
	VKF46.400	400	14500	–	–	–	–	–	300	–	–		
	VKF46.450	450	20500	–	–	–	–	–	–	–	300		
	VKF46.500	500	21000	–	–	–	–	–	–	–	300		
	VKF46.600	600	29300	–	–	–	–	–	–	–	300		

¹⁾ With auxiliary module SEZ31.1 variable positioning time: SQL36E65: 30..180s, SQL36E110: 60..360s, SQL36E160: 120..720s

Recommended maximum flow velocity:

VKF41... < 4 m/s for water, see data sheet for details

VKF46... < 4.5 m/s for water, 60 m/s for gas



Changeover and open / close ball valves													
Typical applications – Boiler plants – Chiller plants – Domestic hot water – Heating groups	Actuators	Data sheet				Spring return function [s]	2 Nm		7 Nm		10 Nm		
	GQD...9A	N4659											
	GSD...9A	N4655											
	GMA...9E	N4658											
	GLB...9E	A6V106362B											
	Operating voltage	Positioning signal	Positioning time [s]										
			GQD/GSD	GMA	GLB								
AC 230V	2-position	30	90	–	15	GQD321.9A		GMA321.9E		–			
	2-position	30	–	–	–	GSD341.9A		–		–			
AC 100...240V	2/3-position	–	–	150	–	–		–		GLB341.9E			
AC/DC 24V	2-position	30	90	–	15	GQD121.9A		GMA121.9E		–			
	2-position	30	–	–	–	GSD141.9A		–		–			
	2/3-position	–	–	150	–	–		–		GLB141.9E			
PN 40	-10...10 °C		DN	G [Inch]	k _{vs} [m ³ /h]	Δp _s [kPa]	Δp _{max} [kPa]	Δp _s [kPa]	Δp _{max} [kPa]	Δp _s [kPa]	Δp _{max} [kPa]		
Data sheet	N4213												
	VAG60.15-9	15	G 1B	9	1400	350	1400	350	1400	350			
	VAG60.20-17	20	G 1 ¼B	17	1400	350	1400	350	1400	350			
	VAG60.25-22	25	G 1 ½B	22	1400	350	1400	350	1400	350			
	VAG60.32-33	32	G 2B	35	–	–	1000	350	1000	350			
	VAG60.40-68	40	G 2 ¼B	68	–	–	800	350	800	350			
	VAG60.50-96	50	G 2 ¾B	96	–	–	600	350	600	350			
PN 40	-10...10 °C		DN	G [Inch]	k _{vs} [m ³ /h]	Δp _{max} [kPa]	Δp _{max} [kPa]	Δp _{max} [kPa]	Δp _{max} [kPa]	Δp _{max} [kPa]			
Data sheet	N4213												
	VBG60.15-8	15	G 1B	8	350	350	350	350	350				
	VBG60.20-13	20	G 1 ¼B	13	350	350	350	350	350				
	VBG60.25-13	25	G 1 ½B	13	350	350	350	350	350				
	VBG60.32-25	32	G 2B	25	–	–	350	350	350				
	VBG60.40-49	40	G 2 ¼B	49	–	–	350	350	350				
	VBG60.50-73	50	G 2 ¾B	73	–	–	350	350	350				
PN 40	-10...10 °C		DN	Rp [Inch]	k _{vs} [m ³ /h]	Δp _s [kPa]	Δp _{max} [kPa]	Δp _s [kPa]	Δp _{max} [kPa]	Δp _s [kPa]	Δp _{max} [kPa]		
Data sheet	N4213												
	VAI60.15-5	15	Rp ½	15	1400	350	1400	350	1400	350			
	VAI60.20-2	20	Rp ¾	22	1400	350	1400	350	1400	350			
	VAI60.25-2	25	Rp 1	22	1400	350	1400	350	1400	350			
	VAI60.32-33	32	Rp 1 ¼	35	–	–	1000	350	1000	350			
	VAI60.40-68	40	Rp 1 ½	68	–	–	800	350	800	350			
	VAI60.50-96	50	Rp 2	96	–	–	600	350	600	350			
PN 40	-10...10 °C		DN	Rp [Inch]	k _{vs} [m ³ /h]	Δp _{max} [kPa]	Δp _{max} [kPa]	Δp _{max} [kPa]	Δp _{max} [kPa]	Δp _{max} [kPa]			
Data sheet	N4213												
	VBI60.15-12	15	Rp ½	12	350	350	350	350	350				
	VBI60.20-16	20	Rp ¾	16	350	350	350	350	350				
	VBI60.25-16	25	Rp 1	16	350	350	350	350	350				
	VBI60.32-25	32	Rp 1 ¼	25	–	–	350	350	350				
	VBI60.40-49	40	Rp 1 ½	49	–	–	350	350	350				
	VBI60.50-73	50	Rp 2	73	–	–	350	350	350				
PN 40	-10...10 °C		DN	Rp [Inch]	k _{vs} [m ³ /h]	Δp _{max} [kPa]	Δp _{max} [kPa]	Δp _{max} [kPa]	Δp _{max} [kPa]	Δp _{max} [kPa]			
Data sheet	N4213												
	VBI60.15-5	15	Rp ½	5	350	350	350	350	350				
	VBI60.20-9	20	Rp ¾	9	350	350	350	350	350				
	VBI60.25-9	25	Rp 1	9	350	350	350	350	350				
	VBI60.32-13	32	Rp 1 ¼	13	–	–	350	350	350				
	VBI60.40-25	40	Rp 1 ½	25	–	–	350	350	350				
	VBI60.50-37	50	Rp 2	37	–	–	350	350	350				










BUILDING AUTOMATION DEVICES/SELECTION TABLE

Acvatix Valves and Actuators

Refrigerant valves									
Typical applications		Valve	Operating voltage		Positioning signal			Auxiliary functions	
– Chiller plants		M2FP03GX	AC 24 V		0... 10 V, 4... 20 mA, 0... 20hs			–	
		MVL661.	AC/DC 24 V		0... 10 V, 2... 10 V, 0.. 20 mA, 4... 20 mA			Minimum stroke setting	
		MVS661.N	AC/DC 24 V		0... 10 V, 2... 10 V, 0.. 20 mA, 4... 20 mA			Minimum stroke setting	
		M3FB.LX..	AC 24 V		0... 10 V, 4... 20 mA, 0.. 20Phs			–	
		M3FK.LX..	AC 24 V		0... 10 V, 4... 20 mA, 0.. 20Phs			–	
PN 32	-40... 100 °C				k_{vs} [m ³ /h]		Δp_{max} [kPa]		
Data sheet	N4731				0.3		1800		
	M2FP03GX		Pilot valve		0.3		1800		
PS 45	-40... 120 °C		DN	Connection	Inner Ø [Inch]	k_{vs} [m ³ /h]	k_{vs} reduced [m ³ /h]	Δp_{max} [kPa]	
Data sheet	N4714								
	MVL661.15-04	15	Sleeve	Ø	0.4	0.25	2500		
	MVL661.15-10	15	Sleeve	Ø	1	0.63	2500		
	MVL661.20-25	20	Sleeve	Ø	2.5	1.6	2500		
	MVL661.25-63	25	Sleeve	1Ø	6.3	4	2500		
	MVL661.32-10	32	Sleeve	1Ø	10	6.3	1600		
	MVL661.32-2	32	Sleeve	1Ø	12	7.6	200		
PS 53	-40... 120 °C		DN	Connection	Inner Ø [mm]	Outer Ø [mm]	k_{vs} [m ³ /h]	k_{vs} reduced [m ³ /h]	Δp_{max} [kPa]
Data sheet	N4717								
	MVS661.25-01Ø	25	Weldable	22.4	33.7	0.16	0.1	2500	
	MVS661.25-0.Ø	25	Weldable	22.4	33.7	0.4	0.25	2500	
	MVS661.25-1.Ø	25	Weldable	22.4	33.7	1	0.63	2500	
	MVS661.25-2.Ø	25	Weldable	22.4	33.7	2.5	1.6	2500	
	MVS661.25-6.Ø	25	Weldable	22.4	33.7	6.3	4	2500	
PN 32	-40... 120 °C		DN	Connection	Inner Ø [Inch]	k_{vs} [m ³ /h]		Liquid Δp_{max} [kPa]	Gas Δp_{max} [kPa]
Data sheet	N4722								
	M3FK15LX06	15	Sleeve	Ø	0.6	200		800	
	M3FK15LX15	15	Sleeve	Ø	1.5	200		800	
	M3FK15LX	15	Sleeve	Ø	3	200		800	
	M3FK20LX	20	Sleeve	Ø	5	200		800	
	M3FK25LX	25	Sleeve	1Ø	8	200		800	
	M3FK32LX	32	Sleeve	1Ø	12	200		800	
	M3FK40LX	40	Sleeve	1Ø	20	200		800	
	M3FK50LX	50	Sleeve	2Ø	30	200		800	
PS 43	-40... 120 °C		DN	Connection	Inner Ø [Inch]	k_{vs} [m ³ /h]		Δp_{max} [kPa]	
Data sheet	N4721								
	M3FB15LX06/A	15	Sleeve	Ø	0.6	2200			
	M3FB15LX15/A	15	Sleeve	Ø	1.5	2200			
	M3FB15LX/A	15	Sleeve	Ø	3	2200			
	M3FB20LX/A	20	Sleeve	Ø	5	1800			
	M3FB25LX/A	25	Sleeve	1Ø	8	1200			
	M3FB32LX	32	Sleeve	1Ø	12	800			

Symbols

	3-port valve, control path with equal-percentage valve characteristic, bypass with linear valve characteristic.
	3-port valve, control path with equal-percentage valve characteristic, bypass with linear valve characteristic with 70% of the k_{vs} value. This compensates for the flow resistance of the heat exchanger, so that the total volumetric flow V_{100} remains as constant as possible.
	2-port valve, control path with equal-percentage valve characteristic.
	2-port valve or 6-port control ball valve in the respective control path with linear valve characteristic.
	3-port, control path and bypass with linear valve characteristic. Bypass with 70% of the k_{vs} value. This compensates for the flow resistance of the heat exchanger, so that the total flow amount V_{100} remains as constant as possible.
	3-port valve, control path and bypass with linear valve characteristic.
	3-port valve, control path and bypass with equal-percentage valve characteristic.



Valve sizing and actuator selection

Basic hydronic circuit

1	Determine the type of hydronic circuit	Throttling circuit	Injection circuit with 2-port valve	Diverting circuit	Injection circuit with 3-port valve	Mixing circuit	Mixing circuit with fixed premixing
-	For valve sizing relevant variable flow path					Primary pump ✓	Primary pump ×

HVAC plants and consumers

Heating								
Surface/floor heating	-	■	-	outdated	-	-	■	■
Heating plant (primary)	-	■	■	outdated	■	■	■	■
Zone control, heating	-	■	-	outdated	-	-	-	-
Heating groups	-	■	-	-	■	■	■	■
Generation of heat energy	-	-	-	-	-	■	-	■
Heat exchanger water-water	■	uncommon	uncommon	uncommon	uncommon	-	-	-
Ventilation and air conditioning plants								
Air handling unit (AHU)	■	■	■	outdated	■	■	-	-
Fan coil unit	■	-	■	outdated	-	-	-	-
Cooling coil	dehumidifying	-	dehumidifying	uncommon	-	-	-	-
Reheating coil	■	■	outdated	outdated	uncommon	uncommon	uncommon	uncommon
Preheating coil	-	■	-	outdated	uncommon	uncommon	uncommon	uncommon
VAV	■	-	■	outdated	-	-	-	-
Zone control	■	-	■	outdated	-	-	-	-
Chiller plants								
Surface/floor cooling	-	■	-	outdated	-	-	-	-
Generation of cooling energy	-	-	-	-	-	■	-	■
Cooling towers	■	-	■	uncommon	-	-	-	-
Zone control, cooling	-	■	-	outdated	-	-	-	-
District heating and cooling								
District heating, primary	■	uncommon	-	-	-	uncommon	-	uncommon
District heating, secondary	■	■	-	-	-	uncommon	-	uncommon
District cooling, primary	■	uncommon	-	-	-	uncommon	-	uncommon
District cooling, secondary	■	■	-	-	-	uncommon	-	uncommon
Domestic hot water (DHW)								
DHW	-	■	-	-	-	■	-	-

Header

Differential pressure header	pressurized		pressureless
Volumetric flow	variable	constant	variable

Determination of k_{vs} value

2	Δp_{VR} or Δp_{MV}	Δp_{VR}		Δp_{MV}					
	typical range	10... 200 kPa	10... 200 kPa	10... 50 kPa	2... 5 kPa	2... 5 kPa	5... 15 kPa	2... 5 kPa	5... 15 kPa
typical value	Use effective Δp_{VR} value		35 kPa	3 kPa	3 kPa	8 kPa	3 kPa	8 kPa	
3	Determine Δp_{V100}	$\Delta p_{V100} \geq \frac{\Delta p_{VR}}{2}$		$\Delta p_{V100} \geq \Delta p_{MV}$					
4	Calculate V_{100}	Water without anti-freeze $V_{100} = \frac{Q_{100}}{1.163 \cdot \Delta T}$			Water with anti-freeze $V_{100} = \frac{Q_{100} \cdot 3600}{c_p \cdot \Delta T}$				
5	Determine k_{vs} value	$k_v = \frac{V_{100}}{\sqrt{\frac{\Delta p_{V100}}{100}}} \Rightarrow k_{vs} \geq 0.85 k_v$ value							
6	Check resulting Δp_{V100}	$\Delta p_{V100} = 100 \cdot \left(\frac{V_{100}}{k_{vs}}\right)^2$							



BUILDING AUTOMATION DEVICES/SELECTION TABLE

Acvatix Valves and Actuators

Selection of valve and actuator						
7	Select suitable valve series	a) Type of valve (2-port, 3-port, 3-port with bypass) b) Connections (flanged, threaded, soldered)	c) PN class d) Nominal size DN	e) Max. / min. medium temperature f) Medium		
8	Check valve authority P_v (control stability)	$P_v = \frac{\Delta p_{V100}}{\Delta p_{VR}} \geq 0.25 \dots 0.8$	$P_v = \frac{\Delta p_{V100}}{\Delta p_{V100} + \Delta p_{MV}} \geq 0.25 \dots 0.8$			
9	Select actuator	a) Operating voltage	b) Positioning signal	c) Positioning time	d) Spring return function	e) Auxiliary functions
10	Check working range	a) Differential pressure $\Delta p_{max} > \Delta p_{V0}$	b) Closing pressure $\Delta p_s > H_0$			
11	Selection	Valve and suitable actuator				

Size and select combi valves					
Determine volumetric flow V					
1	Determine Q_{100}	Q_{100}			
2	Determine ΔT	ΔT			
3	Calculate V	Water without anti-freeze	$V_{100} = \frac{Q_{100}}{1.163 \cdot \Delta T}$	Water with anti-freeze	$V_{100} = \frac{Q_{100} \cdot 3600}{c \cdot \rho \cdot \Delta T}$
Select combi valve and actuator					
4	Select suitable combi valve	a) Type of valve (with / without P/T plugs) d) Connection (flanged, threaded)	b) PN class e) Nominal size DN	c) Max. / min. medium temperature f) Medium	
5	Determine presetting	Determine presetting using the volumetric flow / dial table in data sheet of the respective combi valve			
6	Select actuator	a) Operating voltage	b) Positioning signal	c) Positioning time	d) Auxiliary functions
7	Check working range	a) $\Delta p < \Delta p_{max}$ – maximum permissible differential pressure across the valve's control path, valid for the entire actuating range of the motorized valve b) $\Delta p > \Delta p_{min}$ – minimum differential pressure required across the valve's control path, so that the differential pressure regulator works reliably			
8	Select actuator	Combi valve and suitable actuator			

Definitionen			
Abbr.	Term	Unit	Definition
Δp	Differential pressure	kPa	Pressure differential between plant sections.
Δp_{max}	Maximum differential pressure	kPa	Maximum permissible differential pressure across the valve's control path (when mixing), valid for the entire actuating range of the motorized valve.
Δp_{maxV}	Maximum differential pressure	kPa	Maximum permissible differential pressure across the valve's control path (when distributing), valid for the entire actuating range of the motorized valve.
Δp_{min}	Minimum differential pressure	kPa	Minimum differential pressure required, so that the differential pressure regulator works reliably with combi valves. Δp_{min} depends on presetting position, see data sheet for details.
Δp_{V0}		kPa	Maximum differential pressure across the valve's closed control path.
Δp_{V100}	Differential pressure at nominal flow rate	kPa	Differential pressure across the fully open valve and the valve's control path by a volumetric flow V_{100} .
Δp_s	Closing pressure	kPa	For 2-port valves, maximum permissible differential pressure at which the motorized valve will close securely against the pressure (dose off pressure). Only valid for 2-port valves.
Δp_{MV}		kPa	Differential pressure across the variable flow path. Often Δp_{MV} is not known, in which case typical values can be used.
Δp_{VR}		kPa	Differential pressure between flow and return.
ΔT	Temperature spread	K	Temperature differential between flow and return.
DN	Nominal size		Characteristic for matching parts of the piping system.
H_0	Shutoff head	m	The head generated by a pump at closed valve, at a given speed and a given pump medium.
kPa	Unit of pressure	kPa	100kPa = 1 bar = 10 mWC
mWS	Meter water column	m	
k_v	Nominal flow	m ³ /h	Amount of cold water (5...30 °C) passing through the valve at the respective stroke and at a differential pressure of 100kPa (1 bar).
k_{vs}	Nominal flow rate	m ³ /h	Nominal flow rate of cold water (5...30 °C) through the fully open valve (H100) at a differential pressure of 100kPa (1 bar).
	Spring return function		Shutoff in the event of a power failure.
PN	PN class		Characteristic relating to the combination of mechanical and dimensional properties of a component in the piping system.
Phs	Phase cut control signal	V	DC 0...20V Phs
P_v	Valve authority		Ratio of differential pressure across fully open valve (H100) and differential pressure across valve and variable flow path. To ensure correct control, a minimum valve authority of 0.25 is required.
Q_{100}	Rated capacity	kW	Plant's design capacity.
V_{100}	Volumetric flow	m ³ /h	Volumetric flow with valve fully open (H ₁₀₀).
V_{min}	Minimum volumetric flow	m ³ /h	Smallest presettable volumetric flow through the fully open combi valve (H ₁₀₀).
ν	Kinematic viscosity	mm ² /s	In the case of kinematic viscosities ν up to 10 mm ² /s, no corrections are required. For the selection of actuating devices for kinematic viscosities ν above 10 mm ² /s, please contact your local Siemens branch office.
c	Specific heat capacity	kJ/kgK	
ρ	Specific density	kg/m ³	

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BUILDING AUTOMATION DEVICES/SELECTION TABLE

The room thermostat portfolio in an overview

	„Premium“ thermostats				„Standard“ thermostats	
	REV*	RDF800KN	RDG*	RDF*	RDD	RDE*
						
Heating	■	■	■	■	■	■
Cooling	■	■	■	■		
Heat pumps		■	■	■		
Fan coils		■	■	■		
VAV			■			
Domestic hot water					■	■

* Options with time program available

Room thermostats for VAV and heat pump applications

	Applications								Functionalities								On/Off		
	Heating only	Cooling only	Heating or cooling	Heating and cooling	2-stage heating	2-stage heating or cooling	Cooling or heating and electric heating	Indoor Air Quality Control	Control algorithm	Flush-mounted unit	Automatic heating/cooling changeover	Manual heating/cooling changeover	V_{min}, V_{max} limitation of supply air	Floor heating limitation	Dew point monitoring	Infrared remote control		7-day time program	Communication interface
VAV																			
Premium																			
RDG405KN	■	■	■	■	■	■	■	P/PI	■	■	■	■	■	■	■			KNX	(1) ¹⁾
RDG400KN	■	■	■	■	■	■	■	P/PI	■	■	■	■	■	■	■			KNX	(1) ¹⁾
RDG400	■	■	■	■	■	■	■	P/PI	■	■	■	■	■	■	■				(1) ¹⁾
Standard																			
RDU341	■	■	■	■	■	■	■	P/PI	■	■	■	■		■				KNX	1
RDU340	■	■	■	■	■	■	■	P/PI	■	■	■	■		■					1
Basic																			
RCU502	■	■	■					P			■				■				
RLA162	■	■		■	■			PI				■ ⁴⁾							
Heat pumps																			
RDG100line ³⁾	■	■	■	■	■	■	■	2P/PI		■	■			■	■	■	■	KNX	(3) ¹⁾
RDF600line ³⁾	■	■	■	■	■		■	2P/PI	■R	■	■				■	■	■	KNX	(2) ¹⁾
RDF800KN	■	■	■	■	■		■	2P/PI	■R	■	■				■			KNX	(2) ¹⁾

(X): X = number of outputs R = round flush-mounted box ¹⁾ Either On/Off, 3-position, PWM or DC signal ²⁾ External setpoint shift via KNX
³⁾ RDG100 and RDF600 line (fan coil) are also suited for chilled ceiling and radiator applications. For detailed information, refer to the fan coil overview.



„Standard“ thermostats			„Basic“ thermostats			
RDH	RDJ*	RDU	RCU/RLA	RCC	RAA	RAB
■	■	■	■		■	
■		■	■		■	
				■		■
		■				

Outputs				Inputs							Power supply	User interfaces					
On/Off	PWM	3-position	DC 0...10 V	KNX sensor External air quality	Remote IAQ ⁹⁾ sensor DC 0...10 V	Operating mode/ Remote contact	Presence detector	Heating/cooling changeover sensor	Remote or return air temperature sensor	External setpoint shift	Power supply	Touch screen	Setpoint knob	Setpoint button	Operating mode button (B)	Digital display (LCD)	Additional operation selection/remarks
(1) ¹⁾	(1) ¹⁾	(1) ¹⁾	1	■	■	■	■	■	■	■ ²⁾	AC 24V		■		B	LCD	
(1) ¹⁾	(1) ¹⁾	(1) ¹⁾	1			■		■	■	■ ²⁾	AC 24V		■		B	LCD	
(1) ¹⁾	(1) ¹⁾	(1) ¹⁾	1			■		■	■		AC 24V		■		B	LCD	
1			1			■		■	■	■ ²⁾	AC 24V			■	B	LCD	
1			1			■		■	■		AC 24V			■	B	LCD	
			1								AC 24V		■				Heating-off-cooling switch
			2							■ ⁵⁾	AC 24V		■				
(3) ¹⁾	(2) ¹⁾	(2) ¹⁾				■		■	■		AC 230V / AC 24V		■		B	LCD	Time program buttons
(2) ¹⁾		(1) ¹⁾				■	■	■	■		AC 230V			■	B	LCD	Time program buttons
(2) ¹⁾		(1) ¹⁾				■	■	■	■		AC 230V	■				LCD	

¹⁾ Only with V_{min} limitation

²⁾ External setpoint shift by outdoor temperature sensor

⁹⁾ Indoor Air Quality



„Standard“ thermostats			„Basic“ thermostats			
RDH	RDJ*	RDU	RCU/RLA	RCC	RAA	RAB
■	■	■	■		■	
■		■	■		■	
				■		■
		■				

Outputs				Inputs							Power supply	User interfaces					
On/Off	PWM	3-position	DC 0...10V	KNX sensor External air quality	Remote IAQ ⁶⁾ sensor DC 0...10V	Operating mode/ Remote contact	Presence detector	Heating/cooling changeover sensor	Remote or return air temperature sensor	External setpoint shift	Power supply	Touch screen	Setpoint knob	Setpoint button	Operating mode button (B)	Digital display (LCD)	Additional operation selection/remarks
(1) ¹⁾	(1) ¹⁾	(1) ¹⁾	1	■	■	■	■	■	■	■ ²⁾	AC 24V		■		B	LCD	
(1) ¹⁾	(1) ¹⁾	(1) ¹⁾	1			■		■	■	■ ²⁾	AC 24V		■		B	LCD	
(1) ¹⁾	(1) ¹⁾	(1) ¹⁾	1			■		■	■		AC 24V		■		B	LCD	
1			1			■		■	■	■ ²⁾	AC 24V			■	B	LCD	
1			1			■		■	■		AC 24V			■	B	LCD	
			1								AC 24V		■				Heating-off-cooling switch
			2							■ ⁵⁾	AC 24V		■				
(3) ¹⁾	(2) ¹⁾	(2) ¹⁾				■		■	■		AC 230V / AC 24V		■		B	LCD	Time program buttons
(2) ¹⁾		(1) ¹⁾				■	■	■	■		AC 230V			■	B	LCD	Time program buttons
(2) ¹⁾		(1) ¹⁾				■	■	■	■		AC 230V	■				LCD	

¹⁾ Only with V_{min} limitation

²⁾ External setpoint shift by outdoor temperature sensor

⁶⁾ Indoor Air Quality



BUILDING AUTOMATION DEVICES/SELECTION TABLE

Room thermostats for heating and/or cooling applications

	Applications										Functionalities												
	Heating only	Cooling only	Heating or cooling	Heating and cooling	2-stage heating	2-stage heating or cooling	Cooling or heating and electric heating	Heating and independent output/DHW	Heating and cooling with 6-port control ball valve	Control algorithm	Flush-mounted unit	Automatic heating/cooling changeover	Manual heating/cooling changeover	Floor heating limitation	Dew point monitoring	24-hour time program	7-day/weekend time program	7-day time program	Automatic time synchronization	Radio frequency	Communication interface	V _{min} ·V _{max} limitation of supply air	
Communicating																							
RDG100KN ³⁾	■	■	■	■	■	■	■		■ ⁴⁾	2P/PI		■	■	■	■							KNX	
RDG160KN ³⁾	■	■	■	■	■	■	■		■	2P/PI		■	■	■	■							KNX	■
RDF800KN	■	■	■	■	■	■	■		■ ⁴⁾	2P/PI	■R	■	■	■	■							KNX	
Premium																							
REV13	■									PID							■						
REV13DC	■									PID							■		■				
REV34-XA	■									PI							■		■				
RDG100 line ³⁾	■	■	■	■	■	■	■			2P/PI		■	■	■	■				■				■
Standard																							
RDD100	■									2P													
RDD100.1	■									2P													
RDD100.1DHW	■							■		2P													
RDD100.1RFS	■									2P											■		
RDE100	■									2P						■	■	■					
RDE100.1	■									2P						■	■	■					
RDE100.1DHW	■							■		2P						■	■	■					
RDE100.1RFS	■									2P						■	■	■			■		
RDD310EH	■									2P	■R			■									
RDE410EH	■									2P	■R			■		■	■	■					
RDJ100	■									PID						■							
RDJ100RF/SET	■									PID						■					■		
RAV11.1	■									PID													
RDH100	■	■								PID													
RDH100RF/SET	■	■								PID											■		
RCU10				■	■		■			2P/PI													
RCU15				■	■					2P/PI													
Basic																							
RAA11	■	■								2P													
RAA21	■	■								2P													
RAA31	■	■								2P													
RAA31.16	■	■								2P													
RAA31.26	■	■					■	■		2P													
RAA41			■							2P			■										

(X): X = number of outputs R = round flush-mounted box ¹⁾ Either On/Off, 3-position, PWM or DC signal ²⁾ External setpoint shift via KNX



Outputs				Inputs					Power supply	User interfaces								
On/Off	PWM	3-position	DC 0... 10V	Operating mode/Remote contact	Presence detector	Heating/cooling changeover sensor	Remote or return air temperature sensor	External setpoint set	Power supply	Touch screen	Setpoint knob	Setpoint button	Operating mode button (B)/switch (S)	Digital display (LCD), indicator (LED)	Programming knob and slider	Analog clock	Background lighting	Additional operation selector/remarks
(3) ¹⁾	(2) ¹⁾	(2) ¹⁾		■		■	■	■ ²⁾	AC 230V		■		B	LCD			■	
(2) ¹⁾			(2) ¹⁾	■		■	■	■ ²⁾	AC 24V		■		B	LCD			■	
(2) ¹⁾		(1) ¹⁾		■	■	■	■		AC 230V	■				LCD			■	
■				■					Battery			■	B	LCD	■		■	
■				■					Battery			■	B	LCD	■		■	
■		■		■					Battery			■	B	LCD	■		■	
(3) ¹⁾	(2) ¹⁾	(2) ¹⁾	(2) ¹⁾	■		■	■	■	AC 230V		■		B	LCD			■	Time program buttons
■									AC 230V			■	B	LCD				
■									Battery			■	B	LCD				
■									Battery			■	B	LCD				
■									Battery			■	B	LCD				
■									AC 230V			■	B	LCD	■			
■				■					Battery			■	B	LCD	■			
■									Battery			■	B	LCD	■			
■				■					Battery			■	B	LCD	■			
■									AC 230V			■	B	LCD	■		■	
■									AC 230V			■	B	LCD	■		■	
■									Battery		■		S	LCD	■			
■									Battery		■		S	LCD	■			
■									Battery		■		S	LCD		■		
■									Battery		■			LCD				
■									Battery		■			LCD				
(2) ¹⁾	(2) ¹⁾			■					AC 230V		■							
(2) ¹⁾	(2) ¹⁾			■			■		AC 24V		■							
1									AC 23...250V									
1									AC 23...250 V		■							
1									AC 230V		■							On/Off switch
1									AC 230V		■			LED				On/Off switch
2									AC 230V		■			LED				On/Off switch
1									AC 23... 250 V		■							Heating-off-cooling switch

³⁾ RDG100line (fan coil) thermostats are also suited for chilled ceiling and radiator applications. For detailed information, refer to the fan coil overview.

⁴⁾ Only possible with communicating 6-port control ball valves



BUILDING AUTOMATION DEVICES/SELECTION TABLE

Room thermostats for fan coil applications

	Applications									Functionalities															
	2-pipe/heating only	2-pipe/cooling only	2-pipe/heating or cooling	2-pipe with electric heater	2-pipe with radiator	4-pipe cooling and heating	4-pipe with electric heater	2-stage heating or cooling	Air humidity control	Control algorithm	Flush-mounted unit	Manual heating/cooling changeover	Automatic heating/cooling changeover	Floor heating limitation	Manual fan speed Off/III/III	Automatic fan control	3- or 1-stage fan	Electronic commutated fan motor ¹⁾	Ventilation function	7-day program	Fan function enable/disable	Infrared remote control	Lighting and shading control	Communication interface	
Communicating																									
RDG100KN	■	■	■	■	■	■	■	■	2P/PI		■	■	■	■	■	■	■				■				KNX
RDG160KN	■	■	■	■	■	■	■	■	2P/PI		■	■	■	■	■	■	■				■				KNX
RDG165KN	■	■	■	■	■	■	■	■	2P/PI		■	■	■	■	■	■	■	■				■			KNX
RDF600KN	■	■	■	■	■	■	■	■	2P/PI	■R	■	■	■	■	■	■	■				■				KNX
RDF800KN	■	■	■	■	■	■	■	■	2P/PI	■R	■	■	■	■	■	■	■				■				KNX
RDF30150	■	■	■	■	■	■	■	■	2P/PI	■	■	■	■	■	■	■	■				■		■		KNX
RDF302	■	■	■	■	■	■	■	■	2P/PI	■	■	■	■	■	■	■	■								M-bus
Premium																									
RDG100	■	■	■	■	■	■	■	■	2P/PI		■	■	■	■	■	■	■				■				
RDG100T ⁴⁾	■	■	■	■	■	■	■	■	2P/PI		■	■	■	■	■	■	■			■ ⁵⁾	■	■			
RDG110	■	■	■	■	■	■	■	■	2P		■	■	■	■	■	■	■				■				
RDG160T	■	■	■	■	■	■	■	■	2P/PI		■	■	■	■	■	■	■	■		■ ⁵⁾	■				
RDF600	■	■	■	■	■	■	■	■	2P/PI	■R	■	■	■	■	■	■	■								
RDF600T	■	■	■	■	■	■	■	■	2P/PI	■R	■	■	■	■	■	■	■			■		■			
RDF30002	■	■	■	■	■	■	■	■	2P/PI	■	■	■	■	■	■	■	■								
RDF340	■	■	■	■	■	■	■	■	P/PI	■	■	■	■	■	■	■	■								
Standard																									
RDF110	■	■	■						2P			■			■	■	■								
RDF110.2		■	■						2P		■				■	■	■								
RDF310.2MM	■	■							2P	■	■				■	■	■								
RCC10	■	■	■						2P			■			■	■	■								
RCC20				■					2P			■			■	■	■								
RCC30					■	■			2P			■			■	■	■								
Basic																									
RAB11			■						2P		■				■	■	■								
RAB11.1			■						2P		■				■	■	■		■						
RAB21	■	■	■						2P						■	■	■								
RAB31					■				2P		■				■	■	■								
RAA31.1					■				2P		■				■	■	■		■						
RAB91									No						■	■	■								

(X): X = number of outputs R = round flush-mounted box ¹⁾ Either On/Off, 3-position, PWM or DC signal (optional between given output signals)
²⁾ DC 0...10V fan control ³⁾ Either return air temperature sensor or heating/cooling changeover sensor



Outputs				Inputs						Power supply	User interfaces								
On/Off	PWM	3-position	DC 0...10V	KNX sensor	Multifunctional inputs	Operating mode changeover contact	Presence detector	Return air temperature sensor	Heating/cooling changeover sensor	Power supply	Touch screen	Setpoint knob	Setpoint button	Fan speed switch	Fan speed button	Operating mode button	Display (LCD), indicator (LED)	Background lighting	Additional operation selector/remarks
(3) ¹⁾	(2) ¹⁾	(2) ¹⁾			■	■		■	■	AC 230 V		■			■	■	LCD	■	
(2) ¹⁾			(2) ¹⁾		■	■		■	■	AC 24 V		■			■	■	LCD	■	
(2) ¹⁾			(2) ¹⁾	■	■	■	■	■	■	AC 24 V		■			■	■	LCD	■	
(2) ¹⁾		(1) ¹⁾			■	■	■	■	■	AC 230 V			■		■	■	LCD	■	
(2) ¹⁾		(1) ¹⁾			■	■	■	■	■	AC 230 V	■						LCD	■	
(2) ¹⁾		(1) ¹⁾			■	■		■	■	AC 230 V			■		■	■	LCD	■	
(2) ¹⁾		(1) ¹⁾			■	■		■	■	AC 230 V					■	■	LCD	■	
										AC 230 V							LCD	■	
(3) ¹⁾	(2) ¹⁾	(2) ¹⁾			■	■		■	■	AC 230 V		■			■	■	LCD	■	
(3) ¹⁾	(2) ¹⁾	(2) ¹⁾			■	■		■	■	AC 230 V		■			■	■	LCD	■	Time program buttons
(2)					■	■		■	■	AC 230 V		■			■	■	LCD	■	
(2) ¹⁾			(2) ¹⁾		■	■		■	■	AC 24 V		■			■	■	LCD	■	
(2) ¹⁾		(1) ¹⁾			■	■		■	■	AC 230 V			■		■	■	LCD	■	Time program buttons
(2) ¹⁾		(1) ¹⁾			■	■		■	■	AC 230 V			■		■	■	LCD	■	
(2) ¹⁾		(1) ¹⁾			■	■		■	■	AC 230 V			■		■	■	LCD	■	
			(2)		■	■		■	■	AC 24 V			■		■	■	LCD	■	
(1)						■		■ ³⁾	■ ³⁾	AC 230 V			■		■		LCD	■	
(1)										AC 230 V			■		■		LCD	■	Heating-cooling button
(1)										AC 230 V			■		■		LCD	■	Heating-cooling button
(1)						■		■	■	AC 230 V		■		■			LED	■	
(2)						■		■	■	AC 230 V		■		■			LED	■	
(2)						■		■	■	AC 230 V		■		■			LED	■	
(1)										AC 24...250 V		■		■				■	Heating-cooling-CO switch
(1)										AC 24...250 V		■		■				■	Ventilation-heating-cooling switch
(1)										AC 24...250 V		■		■				■	
(2)										AC 24...250 V		■		■				■	Heating-cooling-CO switch
(1)										AC 24...250 V		■		■				■	Heating-ventilation-cooling-CO switch
										AC 24...250 V				■				■	

¹⁾ Also available as horizontal model

³⁾ Switch program can be turned off



BUILDING AUTOMATION DEVICES / SELECTION TABLE

Symaro Product Family

		Temperature		Humidity			Air quality		Pressure			Flow			Solar
		Sensors	Switching sensors ¹⁾	Sensors	Switching sensors	Certified sensors	Sensors	Switching sensors	Sensors	Switching sensors	Certified sensors	Flow sensors	Flow switches	Velocity sensors	Solar sensors
Air	Room	■	■	■	■	■	■	■							
	Duct	■	■	■	■	■	■		■	■	■			■	
	Outside	■		■		■									■
Water	Immersion	■							■			■	■		
	Strap-on	■			■										
	Cable	■													



¹⁾ see separate overview of thermostats

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BUILDING AUTOMATION DEVICES / SELECTION TABLE

Temperature Sensors

Model	Room sensor	Room sensor	Duct sensor	Immersion sensor	Outside sensor	Outside sensor	Strap-on sensor	Cable sensor
Type	QAA	QAA...D	QAM	QAE	QAC3...	QAC2...	QAD	QAP

	Type	Output						Range	Category	Supply		Length		Protection	MA ¹⁾
		LG-Ni1000	Pt100	Pt1000	NTC 10k	DC 0...10V	DC 4...20 mA			Temperature °C	High quality	AC 24V	DC 13.5...35V		
Room	QAA2010		■					0...+50						IP30	
	QAA2012			■				0...+50						IP30	
	QAA2030				■			0...+50						IP30	
	QAA2061					■		0...+50		■	■			IP30	
	QAA2061D					■		0...+50		■	■			IP30	
	QAA2071						■	0...+50			■			IP30	
	QAA24	■						0...+50						IP30	
Duct	QAM2110.00		■					-50...+80				400		IP54	■
	QAM2112.040			■				-50...+80				400		IP42	■
	QAM2112.200				■			-50...+80				2000		IP42	■
	QAM2120.040	■						-50...+80				400		IP42	■
	QAM2120.200	■						-50...+80				2000		IP42	■
	QAM2120.600	■						-50...+80				6000		IP42	■
	QAM2130.040				■			-40...+80				400		IP42	■
	QAM2161.040					■		-50...+80		■	■	400		IP54	■
	QAM2171.040						■	-50...+80			■	400		IP54	■
Immersion	QAE2111.00		■					-30...+130				100		IP42	
	QAE2111.015		■					-30...+130				150		IP42	
	QAE2112.010			■				-30...+130				100		IP42	
	QAE2112.015				■			-30...+130				150		IP42	
	QAE2120.010	■						-30...+130				100		IP42	■
	QAE2120.015	■						-30...+130				150		IP42	■
	QAE2121.010	■						-30...+130				100		IP42	
	QAE2121.015	■						-30...+130				150		IP42	
	QAE2130.010							-30...+130				100		IP42	
	QAE2130.015				■			-30...+130				150		IP42	
	QAE2164.010					■		-10...+20		■	■	100		IP54	
	QAE2164.015					■		-10...+20		■	■	150		IP54	
	QAE2174.010						■	-10...+20			■	100		IP54	
	QAE2174.015						■	-10...+20			■	150		IP54	
	QAE3010.010		■					-50...+200	■			100		IP65	■
	QAE3010.016		■					-50...+200	■			160		IP65	■
	QAE3075.010						■	0...+200	■		■ ²⁾	100		IP65	■
	QAE3075.016						■	0...+200	■		■ ²⁾	160		IP65	■
	QAE26.90	■						-50...+80				65	2000	IP64	■
QAE26.91	■						-50...+80				125	2000	IP64	■	
QAE26.93	■						-50...+80				240	2000	IP64	■	
QAE26.95	■						-50...+80				465	2000	IP64	■	
Strap-on	QAD2010		■					-30...+130						IP42	■
	QAD2012			■				-30...+130						IP42	■
	QAD2030				■			-30...+130						IP42	■
	QAD22	■						-30...+130						IP42	■
Outside	QAC2010		■					-50...+70						IP54	
	QAC2012			■				-50...+70						IP54	
	QAC2030				■			-40...+70						IP54	
	QAC3161					■		-50...+50	■	■				IP65	
	QAC3171						■	-50...+50	■	■				IP65	
Cable	QAP2010.50				■			-25...+95					2000	IP65	
	QAP2012.50				■			-30...+130					1500	IP65	
	QAP21.2	■						-30...+80					1500	IP67	
	QAP21.3	■						-30...+130					1500	IP65	
	QAP22	■						-25...+95					2000	IP65	
	QAZ21.682/101	■						-50...+80					2000	IP67	■

¹⁾ including mounting accessories ²⁾ DC 7.5...30V



Humidity Sensors

Model	Room sensor	Room sensor	Duct sensor	Duct sensor	Room sensor	Room sensor	Outside sensor	Dew point sensor
Type	QFA2...	QFA2...D	QFM2...	QFM3...D	QFA3...	QFA3...D	QFA3... + AQF3100	QXA2...

	Type	Version		Output				Range		Category		Supply			Protection	MA ¹⁾	
		Humidity	Temperature	LG-Ni100D	DC0...10V	DC4...20mA	Relay contact	Display	Humidity % r.h.	Temperature ²⁾ °C	High quality	Certified	AC 24V	DC 135...35V			AC 230V
Room	QFA2000	■			■				0...95	-15...+50			■	■		IP30	
	QFA2001	■				■			0...95	-15...+60			■	■		IP30	
	QFA2020	■	■	■	■				0...95	-15...+60			■	■		IP30	
	QFA2060	■	■		■				0...95	-15...+60			■	■		IP30	
	QFA2060D	■	■		■		■		0...95	-15...+50			■	■		IP30	
	QFA2071	■	■			■			0...95	-15...+60			■	■		IP30	
	QFA3100	■			■				0...100		■		■	■		IP65	
	QFA3101	■				■			0...100		■		■	■		IP65	
	QFA3160	■	■		■				0...100	-40...+70	■		■	■		IP65	
	QFA3160D	■	■		■		■		0...100	-40...+70	■		■	■		IP65	
	QFA3171	■	■			■			0...100	-40...+70	■		■	■		IP65	
	QFA3171D	■	■			■	■		0...100	-40...+70	■		■	■		IP65	
	QFA4160	■	■		■				0...100	-40...+70		■	■	■		IP65	
	QFA4160D	■	■		■		■		0...100	-40...+70		■	■	■		IP65	
QFA4171	■	■			■			0...100	-40...+70		■	■	■		IP65		
QFA4171D	■	■			■	■		0...100	-40...+70		■	■	■		IP65		
Duct	QFM2100	■			■				0...95	-15...+60			■	■		IP54	■
	QFM2101	■				■			0...95	-15...+60			■	■		IP54	■
	QFM2120	■	■	■	■				0...95	-15...+60			■	■		IP54	■
	QFM2160	■	■		■				0...95	-15...+60			■	■		IP54	■
	QFM2171	■	■			■			0...95	-15...+60			■	■		IP54	■
	QFM3100	■			■				0...100		■		■	■		IP65	■
	QFM3101	■				■			0...100		■		■	■		IP65	■
	QFM3160	■	■		■				0...100	-40...+70	■		■	■		IP65	■
	QFM3160D	■	■		■		■		0...100	-40...+70	■		■	■		IP65	■
	QFM3171	■	■			■			0...100	-40...+70	■		■	■		IP65	■
	QFM3171D	■	■			■	■		0...100	-40...+70	■		■	■		IP65	■
QFM4160	■	■		■				0...100	-40...+70		■	■	■		IP65	■	
QFM4171	■	■			■			0...100	-40...+70		■	■	■		IP65	■	
Outside	QFA3100 + AQF3100	■			■				0...100		■		■	■		IP65	
	QFA3101 + AQF3100	■				■			0...100		■		■	■		IP65	
	QFA3160 + AQF3100	■	■		■				0...100	-40...+70	■		■	■		IP65	
	QFA3171 + AQF3100	■	■			■			0...100	-40...+70	■		■	■		IP65	
Dew point	QXA2100	■					■		0...100				■			IP40	■
	QXA2101	■					■		0...100				■			IP40	■
Hygrostats	QFA1000	■					■		30...90 ²⁾							IP20	
	QFA1001	■					■		30...90 ²⁾							IP20	
	QFM81.2	■					■		15...95 ²⁾							IP30	■
	QFM81.21	■					■		15...95 ²⁾							IP55	■

¹⁾ including mounting accessories ²⁾ measurements adjustable



BUILDING AUTOMATION DEVICES / SELECTION TABLE

Air Quality Sensors

Model	Room sensor	Room sensor	Duct sensor	Duct sensor	Room sensor
Type	QPA10.../20..	QPA20...D	QPM11.../21..	QPM21...D	QPA84

	Type	Version				Output			Range				Supply			Protection	MA ¹⁾
		CO ₂	VOC	Temperature	Humidity	DC 0..5 V or DC 0..10V	Relay contact	Display	CO ₂ 0...2000 ppm	Temperature 0...+50 -35...+35°C	Temperature passive ²⁾	Humidity 0...95% r.h.	AC 24V	DC 15...35V	AC 230V		
Room	QPA1000		■			■							■	■		IP30	
	QPA2000	■				■			■				■	■		IP30	
	QPA2002	■	■			■			■				■	■		IP30	
	QPA2002D	■	■			■		■	■				■	■		IP30	
	QPA2060	■		■		■			■	■			■	■		IP30	
	QPA2060D	■		■		■		■	■	■			■	■		IP30	
	QPA2062	■		■	■	■			■	■		■	■	■		IP30	
	QPA2062D	■		■	■	■		■	■	■		■	■	■		IP30	
	QPA2080	■		■		■			■	■			■	■		IP30	
	QPA2080D	■		■		■		■	■	■			■	■		IP30	
QPA84		■				■								■	IP30		
Duct	QPM1100		■			■							■	■		IP54	■
	QPM2100	■				■			■				■	■		IP54	■
	QPM2102	■	■			■			■				■	■		IP54	■
	QPM2102D	■	■			■		■	■				■	■		IP54	■
	QPM2160	■		■		■			■	■			■	■		IP54	■
	QPM2160D	■		■		■		■	■	■			■	■		IP54	■
	QPM2162	■		■	■	■			■	■		■	■	■		IP54	■
	QPM2162D	■		■	■	■		■	■	■		■	■	■		IP54	■
	QPM2180	■		■		■			■	■	■		■	■		IP54	■

¹⁾ including mounting accessories ²⁾ resistance included: LG-Ni1000, Pt100, Pt100Q NTC 10k



Pressure Sensors/Switch

Model	Differential pressure sensor	Differential pressure sensor	Differential pressure sensor	Differential pressure sensor	Differential pressure switch
Medium	Air	Air	Air	Air	Air
Type	QBM30Z / QBM3120	QBM30Z.D / QBM3120.D	QBM4..	QBM2030	QBM81

	Type	Version		Output					Range		Category		Supply		Protection	MA ¹⁾
		Relative	Differential	DC 0...10V	DC 4...20mA	Switchable root function	Relay contact	Display	Adjustable	High quality	Certified	AC 24V	DC 18...33V			
Air	QBM30201U		■	■		■				-50...+5 Pa	■		■	■	IP54	■
	QBM30201		■	■		■				0...100Pa	■		■	■	IP54	■
	QBM30203		■	■		■				0...300Pa	■		■	■	IP54	■
	QBM30205		■	■		■				0...500Pa	■		■	■	IP54	■
	QBM302010		■	■		■				0...1000Pa	■		■	■	IP54	■
	QBM302025		■	■		■				0...2500Pa	■		■	■	IP54	■
	QBM30201D		■	■		■			■	0...100Pa	■		■	■	IP54	■
	QBM30203D		■	■		■			■	0...300Pa	■		■	■	IP54	■
	QBM30205D		■	■		■			■	0...500Pa	■		■	■	IP54	■
	QBM3020-DD		■	■		■			■	0...1000Pa	■		■	■	IP54	■
	QBM3020-ZD		■	■		■			■	0...2500Pa	■		■	■	IP54	■
	QBM31201U		■			■	■			-50...+50 Pa	■		■	■	IP54	■
	QBM31201		■			■	■			0...100Pa	■		■	■	IP54	■
	QBM31203		■			■	■			0...300Pa	■		■	■	IP54	■
	QBM31205		■			■	■			0...500Pa	■		■	■	IP54	■
	QBM312010		■			■	■			0...1000Pa	■		■	■	IP54	■
	QBM312025		■			■	■			0...2500Pa	■		■	■	IP54	■
	QBM31201D		■			■	■		■	0...100Pa	■		■	■	IP54	■
	QBM31203D		■			■	■		■	0...300Pa	■		■	■	IP54	■
	QBM31205D		■			■	■		■	0...500Pa	■		■	■	IP54	■
	QBM3120-DD		■			■	■		■	0...1000Pa	■		■	■	IP54	■
	QBM3120-ZD		■			■	■		■	0...2500Pa	■		■	■	IP54	■
	QBM40001		■		■					0...100Pa	■		■	■	IP54	■
	QBM40003		■		■					0...300Pa	■		■	■	IP54	■
	QBM400010		■		■					0...1000Pa	■		■	■	IP54	■
	QBM400025		■		■					0...2500Pa	■		■	■	IP54	■
	QBM41001U		■			■				-50...+5 Pa	■		■	■	IP54	■
	QBM41001D		■			■			■	0...100Pa	■		■	■	IP54	■
	QBM20301U			■	■				■	-50...+50 Pa -100...+10 Pa 0...100Pa			■	■	IP42	■
	QBM20305			■	■				■	0...200Pa 0...250Pa 0...500Pa			■	■	IP42	■
QBM203030			■	■				■	0...1000Pa 0...1500Pa 0...3000Pa			■	■	IP42	■	
QBM81-3			■					■	20...300Pa					IP54	■	
QBM81-5			■					■	50...500Pa					IP54	■	
QBM81-10			■					■	100...1000Pa					IP54	■	
QBM81-20			■					■	500...2000Pa					IP54	■	
QBM81-50			■					■	1000...5000Pa					IP54	■	

¹⁾including mounting accessories



BUILDING AUTOMATION DEVICES / SELECTION TABLE

Pressure Sensors/Switch

Model	Relative pressure sensor	Differential pressure sensor	Differential pressure sensor	Relative pressure sensor
Medium	Liquid/gas	Liquid/gas	Liquid/gas	Refrigerants
Type	QBE2x03-P	QBE63	QBE3x00-D	QBE2x04-P

	Type	Version			Output		Range	Supply		Protection	MA ¹⁾
		Relative	Differential	Thread	DC 0...10V	DC 4...20mA		AC 24V	DC 18...33V		
Liquid/gases	QBE2003P1	■		G 1/2"	■		0...1 bar	■	■	IP65	
	QBE2003P1.6	■		G 1/2"	■		0...1.6 bar	■	■	IP65	
	QBE2003P2.5	■		G 1/2"	■		0...2.5 bar	■	■	IP65	
	QBE2003P4	■		G 1/2"	■		0...4 bar	■	■	IP65	
	QBE2003P6	■		G 1/2"	■		0...6 bar	■	■	IP65	
	QBE2003P10	■		G 1/2"	■		0...10 bar	■	■	IP65	
	QBE2003P16	■		G 1/2"	■		0...16 bar	■	■	IP65	
	QBE2003P25	■		G 1/2"	■		0...25 bar	■	■	IP65	
	QBE2003P40	■		G 1/2"	■		0...40 bar	■	■	IP65	
	QBE2003P60	■		G 1/2"	■		0...60 bar	■	■	IP65	
	QBE2103P1	■		G 1/2"	■	■	0...1 bar		■	IP65	
	QBE2103P1.6	■		G 1/2"	■	■	0...1.6 bar		■	IP65	
	QBE2103P2.5	■		G 1/2"	■	■	0...2.5 bar		■	IP65	
	QBE2103P4	■		G 1/2"	■	■	0...4 bar		■	IP65	
	QBE2103P6	■		G 1/2"	■	■	0...6 bar		■	IP65	
	QBE2103-P10	■		G 1/2"	■	■	0...10 bar		■	IP65	
	QBE2103-P16	■		G 1/2"	■	■	0...16 bar		■	IP65	
	QBE2103-P25	■		G 1/2"	■	■	0...25 bar		■	IP65	
	QBE2103-P40	■		G 1/2"	■	■	0...40 bar		■	IP65	
	QBE2103-P60	■		G 1/2"	■	■	0...60 bar		■	IP65	
	QBE61.3-DP2		■	G 1/2"	■	■	0...2 bar	■	■	IP54	
	QBE61.3-DP5		■	G 1/2"	■	■	0...5 bar	■	■	IP54	
	QBE61.3-DP10		■	G 1/2"	■	■	0...10 bar	■	■	IP54	
	QBE63-DP01		■	G 1/8"	■	■	0...100mbar	■	■	IP65	■
	QBE63-DP02		■	G 1/8"	■	■	0...200 mbar	■	■	IP65	■
	QBE63-DP05		■	G 1/8"	■	■	0...500 mbar	■	■	IP65	■
	QBE63-DP1		■	G 1/8"	■	■	0...1 bar	■	■	IP65	■
	QBE3000D1		■	G 1/8"	■	■	0...1 bar	■	■	IP65	■
	QBE3000-D16		■	G 1/8"	■	■	0...1.6 bar	■	■	IP65	■
	QBE3000-D25		■	G 1/8"	■	■	0...2.5 bar	■	■	IP65	■
	QBE3000D4		■	G 1/8"	■	■	0...4 bar	■	■	IP65	■
	QBE3000D6		■	G 1/8"	■	■	0...6 bar	■	■	IP65	■
	QBE3000-D10		■	G 1/8"	■	■	0...10 bar	■	■	IP65	■
	QBE3000-D16		■	G 1/8"	■	■	0...16 bar	■	■	IP65	■
	QBE3100D1		■	G 1/8"	■	■	0...1 bar	■	■	IP65	■
	QBE3100-D16		■	G 1/8"	■	■	0...16 bar	■	■	IP65	■
	QBE3100-D25		■	G 1/8"	■	■	0...25 bar	■	■	IP65	■
	QBE3100D4		■	G 1/8"	■	■	0...4 bar	■	■	IP65	■
	QBE3100D6		■	G 1/8"	■	■	0...6 bar	■	■	IP65	■
	QBE3100-D10		■	G 1/8"	■	■	0...10 bar	■	■	IP65	■
QBE3100-D16		■	G 1/8"	■	■	0...16 bar	■	■	IP65	■	
Refrigerants	QBE2004-PDU	■		7/16-20UNF	■		-1...+9 bar	■	■	IP67	
	QBE2004-P2U	■		7/16-20UNF	■		-1...+24 bar	■	■	IP67	
	QBE2004-P3U	■		7/16-20UNF	■		-1...+29 bar	■	■	IP67	
	QBE2004-P6U	■		7/16-20UNF	■		-1...+59 bar	■	■	IP67	
	QBE2104-PDU	■		7/16-20UNF	■		-1...+9 bar	■	■	IP67	
	QBE2104-P2U	■		7/16-20UNF	■		-1...+24 bar	■	■	IP67	
	QBE2104-P3U	■		7/16-20UNF	■		-1...+29 bar	■	■	IP67	
	QBE2104-P6U	■		7/16-20UNF	■		-1...+59 bar	■	■	IP67	

¹⁾ including mounting accessories



Flow Switch/Sensors

Model	Flow switch	Flow switch	Flow switch	Flow sensor	Flow sensor	Velocity sensor
Medium	Liquids	Liquids	Liquids	Liquids	Liquids	Air
Type	QVE1900	QVE1901	QVE1902	QVE2x00	QVE3x00	QVM62.1















	Type	Version			Output			Range	Supply		Protection
		Nominal size	Thread	Pipe housing	DC 0...10 V	DC 4...20 mA	Relay contact		AC/DC 24 V	DC 18...33 V	
Liquids	QVE1900	DN 32..200					■				IP65
	QVE1901	DN 20... 200					■				IP65
	QVE1902.00	DN 10		Brass			■				IP65
	QVE1902.05	DN 15		Brass			■				IP65
	QVE1902.20	DN 20		Brass			■				IP65
	QVE1902.25	DN 25		Brass			■				IP65
	QVE2000.00	DN 10	G 1/2"	Plastic	■			1.8...32 l/min	■		IP65
	QVE2000.05	DN 15	G 3/4"	Plastic	■			3.5...50 l/min	■		IP65
	QVE2000.20	DN 20	G 1"	Plastic	■			5.0...85 l/min	■		IP65
	QVE2000.25	DN 25	G 1 1/4"	Plastic	■			9.0...150 l/min	■		IP65
	QVE2100.00	DN 10	G 1/2"	Plastic		■		1.8...32 l/min	■		IP65
	QVE2100.05	DN 15	G 3/4"	Plastic		■		3.5...50 l/min	■		IP65
	QVE2100.20	DN 20	G 1"	Plastic		■		5.0...85 l/min	■		IP65
	QVE2100.25	DN 25	G 1 1/4"	Plastic		■		9.0...150 l/min	■		IP65
	QVE3000.00	DN 10	G 3/4"	Red brass	■			1.8...32 l/min	■		IP65
	QVE3000.05	DN 15	G 3/4"	Red brass	■			3.5...50 l/min	■		IP65
	QVE3000.20	DN 20	G 1"	Red brass	■			5.0...85 l/min	■		IP65
	QVE3000.25	DN 25	G 1 1/4"	Red brass	■			9.0...150 l/min	■		IP65
	QVE3100.00	DN 10	G 3/4"	Red brass		■		1.8...32 l/min	■		IP65
	QVE3100.05	DN 15	G 3/4"	Red brass		■		3.5...50 l/min	■		IP65
QVE3100.20	DN 20	G 1"	Red brass		■		5.0...85 l/min	■		IP65	
QVE3100.25	DN 25	G 1 1/4"	Red brass		■		9.0...150 l/min	■		IP65	
Air	QVM62.1				■	■		0...5 m/s 0...10 m/s 0...15 m/s	■		IP42

		Output			Range	Supply		Protection
		DC 0...10V	DC 4...20 mA	Relay contact		AC 24V	DC 18...30V	
Model	Solar sensor							
Type	QLS60	■	■		0...1000W/m ²	■	■	IP65



BUILDING AUTOMATION DEVICES / SELECTION TABLE

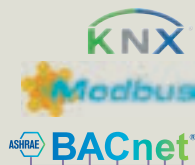
Openair Damper Actuators




Actuators for HVAC applications	Control signal	Operating voltage	Standard model	Feedback potentiometer (1 kOhm)	Adjustable offset/span	Adjustable offset/span with two auxiliary switches	Feedback (1 kOhm) with two auxiliary switches	Two auxiliary switches	Dimensions round damper shaft (mm)	Dimensions square damper shaft (mm)	
Damper actuators with spring return											
	GQD series 2 Nm for approx. 0.3 m² damper area 30 s run time 15 s SR time	2-position	AC/DC 24 V	GQD121.1A	–	–	–	GQD126.1A	8...15	6... 11	
			AC 230V	GQD321.1A	–	–	–	GQD326.1A			
	3-position	AC/DC 24 V	GQD131.1A	–	–	–	GQD136.1A				
	Modulating DC 0...10V	AC/DC 24 V	GQD161.1A	–	–	–	GQD166.1A				
	GPC series 4 Nm for approx. 0.6 m² damper area 60 s run time 15 s SR time	2-position	AC/DC 24 V	GPC121.1A	–	–	–	GPC126.1A	8...15	6... 11	
			AC 230V	GPC321.1A	–	–	–	GPC326.1A			
		3-position	AC/DC 24 V	GPC131.1A	–	–	–	GPC136.1A			
		Modulating DC 0...10V	AC/DC 24 V	GPC161.1A	–	–	–	GPC166.1A			
	Modulating DC 0...10V	AC 230V	GPC361.1A	–	–	–	–				
	GNP series 6 Nm for approx. 1 m² damper area 2 s run time el. fail-safe function	2-position	AC/DC 24 V	GNP191.1E	–	–	–	GNP196.1E	6.4...205	6.4...13	
		3-position	AC/DC 24 V	GNP191.1E	–	–	–	GNP196.1E			
	Modulating DC 0/2...10V	AC/DC 24 V	GNP191.1E	–	–	–	GNP196.1E				
	GMA series 7 Nm for approx. 1.5m² damper area 90 s run time 15 s SR time	2-position	AC/DC 24 V	GMA121.1E	–	–	–	GMA126.1E	6.4...20.5	6.4... 13	
			AC 230V	GMA321.1E	–	–	–	GMA326.1E			
		3-position	AC/DC 24 V	GMA131.1E	GMA132.1E	–	–	–			GMA136.1E
	Modulating DC 0...10V	AC/DC 24 V	GMA161.1E	–	GMA163.1E	GMA164.1E	–	GMA166.1E			
	GCA series 18 Nm for approx. 3 m² damper area 90 s run time 15 s SR time	2-position	AC/DC 24 V	GCA121.1E	–	–	–	GCA126.1E	8...25.6	6... 18	
			AC 230V	GCA321.1E	–	–	–	GCA326.1E			
		3-position	AC/DC 24 V	GCA131.1E	–	–	–	GCA135.1E			
	Modulating DC 0...10V	AC/DC 24 V	GCA161.1E	–	GCA163.1E	GCA164.1E	–	GCA166.1E			
Damper actuators without spring return											
	GSD series 2 Nm for approx. 0.3m² damper area 30 s run time	2-position	AC/DC 24 V	GSD141.1A	–	–	–	GSD146.1A	8...15	6... 11	
			AC 230V	GSD341.1A	–	–	–	GSD346.1A			
		3-position	AC/DC 24 V	GSD161.1A	–	–	–	GSD166.1A			
		Modulating DC 0...10V	AC 230V	GSD361.1A	–	–	–	–			
	Modulating DC 0...10V	AC 230V	GSD361.1A	–	–	–	–				
	GDB series 5 Nm for approx. 0.8m² damper area 150 s run time	2-position	AC/DC 24 V	GDB141.1E	GDB142.1E	–	–	GDB146.1E	8...16	6...12.8	
			AC 230V	GDB341.1E	–	–	–	GDB346.1E			
		3-position	AC/DC 24 V	GDB161.1E	–	GDB163.1E	GDB164.1E	–			GDB166.1E
		Modulating DC 0...10V	AC 230V	GDB361.1E	–	–	–	–			
		Modbus RTU	AC 24V	GDB111.1E/ MO	–	–	–	–			
	GLB series 10 Nm for approx. 1.5m² damper area 150 s run time	2-position	AC/DC 24 V	GLB141.1E	GLB142.1E	–	–	GLB146.1E	8...16	6...12.8	
			AC 230V	GLB341.1E	–	–	–	GLB346.1E			
		3-position	AC/DC 24 V	GLB161.1E	–	GLB163.1E	GLB164.1E	–			GLB166.1E
		Modulating DC 0...10V	AC 230V	GLB361.1E	–	–	–	–			
		Modbus RTU	AC 24V	GLB111.1E/ MO	–	–	–	–			
	GAP series 6 Nm for approx. 1 m² damper area 2 s run time	2-position	AC/DC 24 V	GAP191.1E	–	–	–	GAP196.1E	6.4...205	6.4...13	
		3-position	AC/DC 24 V	GAP191.1E	–	–	–	GAP196.1E			
	Modulating DC 0/2...10V	AC/DC 24 V	GAP191.1E	–	–	–	GAP196.1E				
	GEB series 15 Nm for approx. 3 m² damper area 150 s run time	3-position	AC 24V	GEB131.1E	GEB132.1E	–	–	GEB136.1E	6.4...20.5	6.4... 13	
			AC 230V	GEB331.1E	GEB332.1E	–	–	GEB336.1E			
	Modulating DC 0...10V	AC 24V	GEB161.1E	–	GEB163.1E	GEB164.1E	–	GEB166.1E			
	GBB series 25 Nm for approx. 4 m² damper area 150 s run time	3-position	AC 24V	GBB131.1E	–	–	–	GBB135.1E	8...25.6	6... 18	
			AC 230V	GBB331.1E	–	–	–	GBB335.1E			
	Modulating DC 0...10V	AC 24V	GBB161.1E	–	GBB163.1E	GBB164.1E	–	GBB166.1E			
	GIB series 35 Nm for approx. 6 m² damper area 150 s run time	3-position	AC 24V	GIB131.1E	–	–	–	GIB135.1E	8...25.6	6... 18	
			AC 230V	GIB331.1E	–	–	–	GIB335.1E			
	Modulating DC 0...10V	AC 24V	GIB161.1E	–	GIB163.1E	GIB164.1E	–	GIB166.1E			
	GDB series 125 N for approx. 0.8 m² damper area 150 s run time	3-position	AC 24V	GDB131.2E	–	–	–	GDB136.2E	–	–	
			AC 230V	GDB331.2E	–	–	–	GDB336.2E			
	Modulating DC 0...10V	AC 24V	GDB161.2E	–	GDB163.2E	–	–				
	GLB series 250 N for approx. 1.5 m² damper area 150 s run time	3-position	AC 24V	GLB131.2E	–	–	–	GLB136.2E	–	–	
			AC 230V	GLB331.2E	–	–	–	GLB336.2E			
	Modulating DC 0...10V	AC 24V	GLB161.2E	–	GLB163.2E	–	–				






Openair Damper Actuators

Networked OpenAir VAV controllers guarantee interoperability thanks to the standardized and open communications protocols. As a result, the VAV controllers can be installed in any system, even those made by different manufacturers.



Actuator for air volume control 300 Pa application range		Control signal	Operating voltage	Standard model	Dimensions round damper shaft (mm)	Dimensions square damper shaft (mm)
 GDB 300 Pa VAV compact controller ¹⁾ 5 Nm for approx. 0.8 m ² damper area 150 s run time	3-position	AC 24 V	GDB181.1EB	8...16	6...12.8	
	Modulating, DC 0/2...10V	AC 24 V				
	KNX S-/LTE-Mode, KNX PL-Link	AC 24 V				
	Modbus RTU	AC 24 V				
 GLB 300 Pa VAV compact controller ¹⁾ 10 Nm for approx. 1.5 m ² damper area 150 s run time	3-position	AC 24 V	GLB181.1EB	8...16	6...12.8	
	Modulating, DC 0/2...10V	AC 24 V				
	KNX S-/LTE-Mode, KNX PL-Link	AC 24 V				
	Modbus RTU	AC 24 V				
 ASV 300 Pa VAV modular ¹⁾	3-position	AC 24 V	ASV181.1EB	-	-	
	Modulating, DC 0/2...10V	AC 24 V				

1) Available to OEMs only

Actuators for fire and smoke-protection dampers		Control signal	Operating voltage	Two auxiliary switches	Two auxiliary switches and thermal cut-out	Dimensions, square damper shaft (mm)
 GRA actuator ¹⁾ 4 Nm for approx. 0.6 m ² damper area 90 s run time 15 s SR time	2-position	AC/DC 24 V AC 230V	GRA126.1E/.. ²⁾ GRA326.1E/.. ²⁾	GRA126.1E/.. ²⁾ GRA326.1E/.. ²⁾	10,12	
 GNA actuator ¹⁾ 7 Nm for approx. 1 m ² damper area 90 s run time 15 s SR time	2-position	AC/DC 24 V AC 230V	GNA126.1E/.. ²⁾ GNA326.1E/.. ²⁾	GNA126.1E/.. ²⁾ GNA326.1E/.. ²⁾	10,12	
 GGA actuator ¹⁾ 18 Nm for approx. 2.5 m ² damper area 90 s run time 15 s SR time	2-position	AC/DC 24 V AC 230V	GGA126.1E/.. ²⁾ GGA326.1E/.. ²⁾	GGA126.1E/.. ²⁾ GGA326.1E/.. ²⁾	10,12	



1) Available to OEMs only 2) .. = use dimensions for square damper shaft (mm)

Danfoss Industrial Automation core products

Fluid controls

Solenoid valves: Direct, servo, assisted lift and proportional operated valves for water, air, oil and steam application. Differential pressure from 0 to 40 bar and connections from G $\frac{3}{8}$ to G 2" flange. Thermostatic valves for cooling applications and solar systems. Regulation ranges from 0 to 90 °C and connections from G $\frac{3}{8}$ to G 1" flange.

Angle seat valves for demanding industrial applications. Differential pressure from 0 to 16 bar and connections from G $\frac{3}{8}$ to G 2".

Direct operated valve
for closed and drain
systems



Assisted lift operated
valve for closed and
drain systems



Servo operated valve
for open systems



Valve for steam
applications



Thermostatic valve



Angle seat valve
for demanding
applications



Pressure transmitters

Pressure transmitters for industrial and marine applications. Design in cartridge, block and box with measuring range up to 600 bar. Output signal: 4 – 20 mA, 0 – 10 V, ratiometric etc. with an accuracy from 0,1% FS. Versions with marine and ATEX approvals.

Pressure transmitter in
cartridge design
for industrial applications



Pressure transmitter with flush
diaphragm for demanding
industrial applications



Pressure transmitter in
block design for industrial
and marine applications



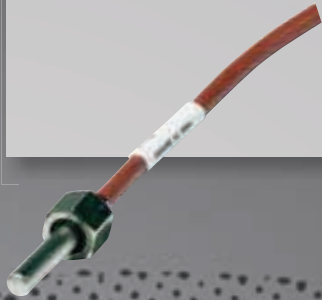
Pressure transmitter in
box design for marine
applications



Temperature sensors

Temperature transmitters for industrial and marine applications with measuring range from -50 to 800 °C. Sensor type Pt100, Pt1000, PTC, NTC, integrated transmitter etc in different designs for example DIN 43650, DIN B, cable etc. Versions with marine and ATEX approvals.

Temperature transmitter in a cable version



Flexible temperature transmitter with different sensing elements and electrical connections



Temperature transmitter equipped with a DIN 43650 for industrial applications



Temperature transmitter equipped with a DIN B (B-head) for industrial and marine applications



Switches

Pressure and temperature switches (on-off) for industrial and marine applications from -60 to 300 °C or -1 to 400 bar. Degree of enclosure: IP30 – IP67 in different designs, versions with marine, TÜV and ATEX approvals.

Pressure switch for industrial applications (enclosure degree from IP30 to IP55)



Pressure switch for boiler control



Temperature switch for industrial applications (enclosure degree from IP54 to IP66)



Pressure switch for industrial and marine applications in block design



Temperature switch for marine applications (enclosure degree IP67)



The main industries for these products are

Marine Mobile hydraulics Air compressors Wind turbines Industrial hydraulics Heating equipment Industrial water



Pressure switches and Thermostats

When it comes to demanding applications, Danfoss' know-how and expertise is unsurpassed. Our robust switches offer flawless performance day after day and are trusted in the most challenging situations in a variety of industries and applications, of which some are mentioned in the following.

Marine and railway equipment

Break down of essential functions in trains and ships due to failures in the controls and safety equipment can be dangerous, very costly and time consuming. These customers therefore choose partners who have a good reputation and superior products to offer, among others:

- Temperature and pressure control and alarm functions in lubrication oil systems – type KPS, CAS and MBC.
- Pressure control for air compressors – type MBC, KP and RT.
- Essential safety control on trains – type RT and CAS.

Industrial boilers and boiler room equipment

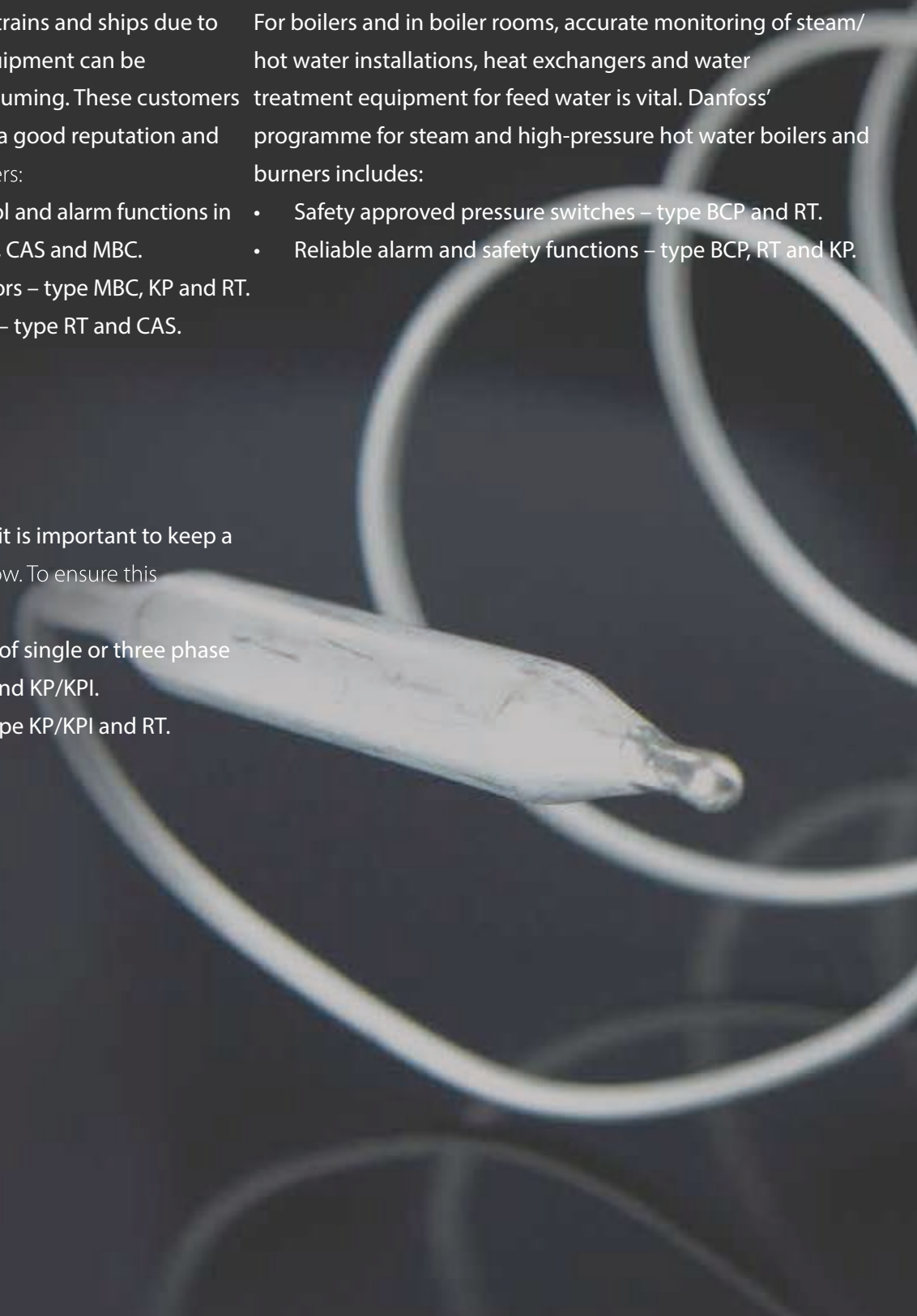
For boilers and in boiler rooms, accurate monitoring of steam/hot water installations, heat exchangers and water treatment equipment for feed water is vital. Danfoss' programme for steam and high-pressure hot water boilers and burners includes:

- Safety approved pressure switches – type BCP and RT.
- Reliable alarm and safety functions – type BCP, RT and KP.

Water pumps and air compressors

In water pumps and air compressors it is important to keep a constant pressure and a continuous flow. To ensure this Danfoss offers a range of switches for:

- Monitoring and direct start/stop of single or three phase motors – type RT, MBC, CS, CAS and KP/KPI.
- Dry run protection of pumps – type KP/KPI and RT.



Hydraulic equipment and windmills

Danfoss switches are intended for flawless alarm indication, shut down, control and diagnostics in a variety of demanding applications:

- Cooling and lubrication systems for generators and gear - boxes – type MBC, KPS, KPI, KP, CAS and RT.
- Hydraulic units such as disk brakes and pitch cylinders – type MBC, KPS and RT.
- Power packs – type MBC and KP.

Autoclaves and sterilisers

High control and safety are essential within the autoclave process.

Temperatures and pressures must be controlled within narrow limits over time by products with high repeatability and trustworthy performance:

- Check of door sealing – type KP, BCP and RT.
- Pressure controls of steam supply – type KP, RT and BCP.
- Control and alarm of pressure in the process chamber – type BCP, KP and RT.

Examples



The BCP pressure switch packs all our expertise into a sleek, modern design. The advanced technology built into this durable boiler control sets new standards for reliability - and ensures a long life with a minimum of maintenance.



Marine applications where space and reliability are the most important features are the natural habitat of the MBC 5100 block-type pressure switch. With their high vibration resistance and all common marine approvals, they are trusted at high seas.



On wind turbines, helping to increase the amount of wind-produced power world - wide, the KPS temperature switch provides on-off limits when critical temperatures are reached.



Industrial Switches

In this catalogue

Pressure switches



Type

RT

BCP

KPS

CAS

KP/KPI

CS

Segments	Marine and railway equipment						
	Industrial boilers and boiler room equipment						
	Autoclaves and sterilisers						
	Water pumps and air compressors						
	Hydraulic equipment						
	Windmills						
Characteristics	Setting range	-1 - 30 bar	0.03 - 40 bar	0 - 60 bar	0 - 60 bar	-0.2 - 28 bar	2 - 20 bar
	Contact system	SPDT	SPDT	SPDT	SPDT	SPDT	TPST and SPST
	Electrical rating AC-3	4 A, 400 V	1 A, 250 V	6 A, 400 V	-	16/ 6 A, 400 V	12 A, 415 V
	Electrical rating AC-15	3 A, 400 V		4 A, 400 V	0.1 A, 220 V	10/4 A, 400 V	-
	Electrical connection	Screw terminals	DIN plug	Screw terminals	Screw terminals	Screw terminals	Screw terminals
	Contact material	Silver or Gold	Gold	Gold	Silver	Silver or Gold	Silver
	Differential	Adjustable	Adjustable	Adjustable	Fixed	Adjustable	Adjustable
	Special approvals	Marine, TÜV	TÜV	Marine, UL	Marine	Marine	
	Degree of enclosure	IP66 or IP54	IP65	IP67	IP67	IP30, IP44 or IP55	IP43 or IP55
Design	Box industrial	Box industrial	Box heavy duty	Box heavy duty	Box	Box	
Adjustable neutral zone	Yes						



Railways and marine



Industrial hydraulics, air compressors and water pumps



Electric power and wind turbines



Boiler and boiler room equipment, sterilisers and autoclaves



Differential pressure switches				Thermostats			
MBC	RT	CAS	MBC	RT	KPS	KP	MBC
-0.2-400 bar	0-11 bar	0.2-2.5 bar	0.3-5 bar	-60-300 °C	-10-200 °C	0-150 °C	-10-200 °C
SPDT	SPDT	SPDT	SPDT	SPDT	SPDT	SPDT	SPDT
0.5 A, 250 V	4 A, 400 V 3 A, 400 V	- 0.1 A, 220 V	0.5 A, 250 V	4 A, 400 V 3 A, 400 V	6 A, 400 V 4 A, 400 V	16 A, 400 V 10 A, 400 V	0.5 A, 250 V
DIN plug	Screw terminals	Screw terminals	DIN plug	Screw terminals	Screw terminals	Screw terminals	DIN plug
Silver	Silver or Gold	Silver	Silver	Silver or Gold	Gold	Silver	Silver
Fixed	Fixed	Fixed	Fixed	Adjustable	Adjustable	Adjustable	Fixed
Marine	Marine	Marine	Marine	Marine	Marine, UL	Marine, UL	Marine
IP65	IP66	IP67	IP65	IP66 or IP54	IP67	IP30, IP44 or IP55	IP65
Compact	Box industrial	Box heavy duty	Compact	Box industrial	Box heavy duty	Box	Compact
	Yes			Yes			



PRESSURE CONTROLLERS

RT..PRESSURE SWITCHES



Model	Code	Description	Poz Nr.
RT-116	017-520366	<ul style="list-style-type: none"> Setting Range: 0-10 Bar Differential Setting Range: 0,3-1,3 Bar 	4090001
RT-112	017-519166	<ul style="list-style-type: none"> Setting Range: 0,1-1,1 Bar Differential Setting Range: 0,07-0,16 Bar 	4090002
RT-110	017-529166	<ul style="list-style-type: none"> Setting Range: 0,2-3 Bar Differential Setting Range: 0,08-0,25 Bar 	4090003
RT-113	017-519666	<ul style="list-style-type: none"> Setting Range: 0-0,3 Bar Differential Setting Range: 0,01-0,05 Bar 	4090004
RT-5	017-525566	<ul style="list-style-type: none"> Setting Range: 4-17 Bar Differential Setting Range: 1,2-4 Bar 	4090005
RT-200	017-523766	<ul style="list-style-type: none"> Setting Range: 0,2-6 Bar Differential Setting Range: 0,25-1,2 Bar 	4090006
RT-121	017-521566	<ul style="list-style-type: none"> Setting Range: -1-0 Bar Differential Setting Range: 0,09-0,4 Bar 	4090007
RT-117	017-529566	<ul style="list-style-type: none"> Setting Range: 10-30 Bar Differential Setting Range: 1-4 Bar 	4090008

Description: Connection Size: G3/8", Contact Function: SPDT, Automatic Reset.

RT..DIFFERENTIAL PRESSURE SWITCHES



Model	Code	Description	Poz Nr.
RT-260A	017D002366	<ul style="list-style-type: none"> Setting Range: 0,5-6 Bar Differential Setting Range: 0,5 Bar 	4090009
RT-260A	017D002166	<ul style="list-style-type: none"> Setting Range: 0,5-4 Bar Differential Setting Range: 0,3 Bar 	4090010
RT-262A	017D002566	<ul style="list-style-type: none"> Setting Range: 0,1-1,5 Bar Differential Setting Range: 0,1 Bar 	4090011

Description: Connection Size: G3/8", Contact Function: SPDT, Constant Differential Pressure Range

BCP... PRESSURE CONTROLLERS



Model	Code	Description	Poz Nr.
BCP1	017B0002	<ul style="list-style-type: none"> Setting Range: 0,1-1,1 Bar Differential Setting Range: 0,15-0,6 Bar 	4090012
BCP1	017B0006	<ul style="list-style-type: none"> Setting Range: 0-2,5 Bar Differential Setting Range: 0,4-1 Bar 	4090013
BCP3	017B0010	<ul style="list-style-type: none"> Setting Range: 0-6 Bar Differential Setting Range: 0,7-1,4 Bar 	4090014
BCP4	017B0014	<ul style="list-style-type: none"> Setting Range: 1-10 Bar Differential Setting Range: 1-2,5 Bar 	4090015
BCP5	017B0018	<ul style="list-style-type: none"> Setting Range: 2-16 Bar Differential Setting Range: 2-3,2 Bar 	4090016
BCP6	017B0022	<ul style="list-style-type: none"> Setting Range: 5-25 Bar Differential Setting Range: 2,5-4 Bar 	4090017
BCP7	017B0026	<ul style="list-style-type: none"> Setting Range: 10-40 Bar Differential Setting Range: 3-6 Bar 	4090018

Description: BCP Pressure Controllers, G1/2"A, Automatic Reset, Contact Function:SPDT, Microswitch

BCP PRESSURE LIMITERS



Model	Code	Description	Poz Nr.
BCP2L	017B0058	<ul style="list-style-type: none"> Setting Range: 0-2,5 Bar Differential Setting Range: 0,2 Bar 	4090019
BCP3L	017B0062	<ul style="list-style-type: none"> Setting Range: 0-6 Bar Differential Setting Range: 0,4 Bar 	4090020
BCP4L	017B0066	<ul style="list-style-type: none"> Setting Range: 1-10 Bar Differential Setting Range 0,45 Bar 	4090021
BCP5L	017B0070	<ul style="list-style-type: none"> Setting Range: 2-16 Bar Differential Setting Range: 1,2 Bar 	4090022
BCP6L	017B0074	<ul style="list-style-type: none"> Setting Range: 5-20 Bar Differential Setting Range: 1,2 Bar 	4090023

Description: For Decreasing Pressures, Minimum Reset, Constant Differential Pressure Range, G1/2", Contact Function:SPDT, Microswitch



PRESSURE CONTROLLERS

BCP PRESSURE LIMITERS



Model	Code	Description	Poz Nr.
BCP1H	017B0030	• Setting Range: 0,1-1,1 Bar • Differential Setting Range: 0,1 Bar	4090024
BCP2H	017B0034	• Setting Range: 0-2,5 Bar • Differential Setting Range: 0,2 Bar	4090025
BCP3H	017B0030	• Setting Range: 0-6 Bar • Differential Setting Range: 0,4 Bar	4090026
BCP4H	017B0042	• Setting Range: 1-10 Bar • Differential Setting Range: 0,45 Bar	4090027
BCP5H	017B0046	• Setting Range: 2-16 Bar • Differential Setting Range: 1,2 Bar	4090028
BCP6H	017B0050	• Setting Range: 5-25 Bar • Differential Setting Range: 1,2 Bar	4090029
BCP7H	017B0054	• Setting Range: 10-40 Bar • Differential Setting Range: 2,3 Bar	4090030

Description: For Decreasing Pressures, Minimum Reset, Constant Differential Pressure Range, G1/2", Contact Function:SPDT, Microswitch

KP../KPI.. PRESSURE CONTROLLERS



Model	Code	Description	Poz Nr.
KP1	060-110166	• Setting Range: -0,2-7,5 Bar • Differential Setting Range: 0,7-4 Bar	4090031
KP35	060-113366	• Setting Range: -0,2-7,5 Bar • Differential Setting Range: 0,7-4 Bar	4090032
KP36	060-110866	• Setting Range: 2-14 Bar • Differential Setting Range: 0,7-4 Bar	4090033
KP5	060-117116	• Setting Range: 8-32 Bar • Differential Setting Range: 1,8-6 Bar	4090034
KP6W	060-519066	• Setting Range: 8-42 Bar • Differential Setting Range: 4-10 Bar	4090035
KPI35	060-121766	• Setting Range: 0,2-8 Bar • Differential Setting Range: 0,4-1,5 Bar	4090036
KPI36	060-118966	• Setting Range: 4-12 Bar • Differential Setting Range: 0,5-1,6 Bar	4090037
KPI38	060-508166	• Setting Range: 8-28 Bar • Differential Setting Range: 1,8-6 Bar	4090038

Description: Connection Size: G1/4"A, Contact Function: SPDT, Automatic Reset.

KPS.. PRESSURE CONTROLLERS



Model	Code	Description	Poz Nr.
KPS31	060-311066	• Connection Size: G ^{1/4} " • Setting Range: 0-2,5 Bar • Differential Pressure: 0,1 Bar	4090039
KPS31	060-310966	• Connection Size: G ^{3/8} "A • Setting Range: 0-2,5 Bar • Differential Pressure: 0,1 Bar	4090040
KPS33	060-310466	• Connection Size: G ^{1/4} "A • Setting Range: 0-3,5 Bar • Differential Setting Range: 0-2 Bar	4090041
KPS33	060-310366	• Connection Size: G ^{3/8} "A • Setting Range: 0-3,5 Bar • Differential Pressure: 0,2 Bar	4090042
KPS35	060-310566	• Connection Size: G ^{1/4} "A • Setting Range: 0-8 Bar • Differential Setting Range: 0,4-1,5 Bar	4090043
KPS35	060-310066	• Connection Size: G ^{3/8} "A • Setting Range: 0-8 Bar • Differential Setting Range: 0,4-1,5 Bar	4090044
KPS35	060-310866	• Connection Size: G ^{1/4} "A • Setting Range: 0-8 Bar • Differential Pressure: 0,4 Bar	4090045
KPS37	060-310666	• Connection Size: G ^{1/4} "A • Setting Range: 6-18 Bar • Differential Setting Range: 0,85-2,5 Bar	4090046
KPS37	060-310166	• Connection Size: G ^{3/8} "A • Setting Range: 6-18 Bar • Differential Setting Range: 0,85-2,5 Bar	4090047
KPS39	060-310766	• Connection Size: G ^{1/4} "A • Setting Range: 10-35 Bar • Differential Setting Range: 2-6 Bar	4090048
KPS39	060-310266	• Connection Size: G ^{3/8} "A • Setting Range: 10-35 Bar • Differential Setting Range: 2-6 Bar	4090049
KPS43	060-312066	• Connection Size: G ^{1/4} "A • Setting Range: 1-10 Bar • Differential Setting Range: 0,7-2,8 Bar	4090050
KPS45	060-312166	• Connection Size: G ^{1/4} "A • Setting Range: 4-40 Bar • Differential Setting Range: 2,2-11 Bar	4090051
KPS47	060-312266	• Connection Size: G ^{1/4} "A • Setting Range: 6-60 Bar • Differential Setting Range: 3,5-17 Bar	4090052

Description: Heavy-duty, Sea Water Applicable, Contact Function: SPDT



PRESSURE CONTROLLERS



CS.. PRESSURE CONTROLLERS



Model	Code	Description	Poz Nr.
CAS133	060-315066	<ul style="list-style-type: none"> Setting Range: 0-3,5 Bar Differential Pressure: 0,1 Bar 	4090053
CAS136	060-315166	<ul style="list-style-type: none"> Setting Range: 0-10 Bar Differential Pressure: 0,2 Bar 	4090054
CAS137	060-315266	<ul style="list-style-type: none"> Setting Range: 6-18 Bar Differential Pressure: 0,3 Bar 	4090055
CAS139	060-315366	<ul style="list-style-type: none"> Setting Range: 10-35 Bar Differential Pressure: 0,6 Bar 	4090056
CAS143	060-316066	<ul style="list-style-type: none"> Setting Range: 1-10 Bar Differential Setting Range: 0,2-0,6 Bar 	4090057
CAS145	060-316166	<ul style="list-style-type: none"> Setting Range: 4-40 Bar Differential Setting Range: 0,8-2,4 Bar 	4090058
CAS147	060-316266	<ul style="list-style-type: none"> Setting Range: 6-60 Bar Differential Setting Range: 1-3 Bar 	4090059

Description: Heavy-duty, Sea Water Applicable, Connection Size: G1/4"A, Contact Function: SPDT, Microswitch

CS.. PRESSURE CONTROLLERS



Model	Code	Description	Poz Nr.
CS	031E021566	<ul style="list-style-type: none"> 1/2" Setting Range: 2/6 Bar IP55 	4090061
CS	031E023566	<ul style="list-style-type: none"> 1/2" Setting Range: 4/12 Bar IP55 	4090062
CS	031E025566	<ul style="list-style-type: none"> 1/2" Setting Range: 7/20 Bar IP55 	4090063
	031E029866	<ul style="list-style-type: none"> Pressure relief valand for Pressure switches Suitable for 6 mm threaded connections 	4090064

Description: Air Compressors and Water Booster Applications, Contact Function: TPST, Manual Switch to Lock the Contact System

CAS... DIFFERENTIAL PRESSURE SWITCHES



Model	Code	Description	Poz Nr.
CAS155	060-313066	<ul style="list-style-type: none"> Connection Size: 2xG^{1/4} Setting Range: 0,2-2,5 Bar Differential Pressure: 0,1 Bar 	4090060

Description: Heavy-duty, Sea Water Applicable, Contact Function: SPDT, Microswitch



PRESSURE CONTROLLERS

MBC... PRESSURE CONTROLLERS



Model	Code	Description	Poz Nr.
MBC5100	061B000966	• -0,2-1 Bar	4090065
MBC5100	061B001066	• -0,2-4 Bar	4090066
MBC5100	061B000866	• 1-10 Bar	4090067
MBC5100	061B110066	• 5-20 Bar	4090068
MBC5100	061B100766	• 5-40 Bar	4090069
MBC5100	061B510166	• 25-250 Bar	4090070
MBC5100	061B510266	• 40-400 Bar	4090071
MBC5100	061B000266	• -0,2-10 Bar • Flanged	4090072
MBC5100	061B000466	• -0,2-4 Bar • Flanged	4090073
MBC5100	061B000766	• 1-6 Bar • Flanged	4090074
MBC5100	061B110466	• 1-10 Bar • Flanged	4090075
MBC5100	061B102466	• 5-25 Bar • Flanged	4090076
MBC5100	061B000366	• 5-30 Bar • Flanged	4090077
MBC5100	061B100566	• 5-40 Bar • Flanged	4090078
MBC5100	061B100366	• 10-100 Bar • Flanged	4090079

Description: For Industrial and Marine Applications, Contact Function: SPDT, Microswitch

MBC... DIFFERENTIAL PRESSURE SWITCHES



Model	Code	Description	Poz Nr.
MBC5180	061B128066	• 0,3-5 Bar • 1/4" Flanged	4090080
MBC5180	061B129066	• 0,3-5 Bar • 1/4"	4090081

Description: For Industrial and Marine Applications, Contact Function: SPDT, Microswitch

MBV 5000 PRESSURE TEST VALVE



Model	Code	Description	Poz Nr.
MBV5000	061B7000	• L:36 mm • 1 Output	4090082
MBV5000	061B7001	• L:76 mm • 2 Output	4090083

Description: For Marine applications



TEMPERATURE CONTROLLERS

KP.. TEMPERATURE CONTROLLERS



Model	Code	Description	Poz Nr.
KP75	060L117166	• Room Type • Setting Range: 0-40 °C	4090084
KP77	060L112166	• L:2 m • Setting Range: 20-60 °C	4090085
KP78	060L118466	• L:2 m • Setting Range: 30-90 °C	4090086
KP79	060L112666	• L:2 m • Setting Range: 50-100 °C	4090087
KP81	060L112566	• L:2 m • Setting Range: 80-150 °C	4090088

KPS.. TEMPERATURE CONTROLLERS



Model	Code	Description	Poz Nr.
KPS77	060L310266	• L=2 m • Setting Range: 20-60 °C	4090100
KPS79	060L310566	• L=2 m • Setting Range: 50-100 °C	4090101
KPS80	060L312966	• L=2 m • Setting Range: 70-120 °C	4090102
KPS81	060L310766	• L=2 m • Setting Range: 60-150 °C	4090103

Description: Capillary Tube Without Protection

KPS.. TEMPERATURE CONTROLLERS



Model	Code	Description	Poz Nr.
KPS77	060L311866	• L:75 mm • Setting Range: 20-60°C	4090089
KPS77	060L310066	• L:110 mm • Setting Range: 20-60°C	4090090
KPS77	060L313666	• L:160 mm • Setting Range: 20-60°C	4090091
KPS79	060L312166	• L:75 mm • Setting Range: 50-100°C	4090092
KPS79	060L310366	• L:110 mm • Setting Range: 50-100 °C	4090093
KPS79	060L313766	• L:160 mm • Setting Range: 50-100°C	4090094
KPS80	060L312666	• L:75 mm • Setting Range: 70-120 °C	4090095
KPS80	060L312766	• L:110 mm • Setting Range: 70-120 °C	4090096
KPS80	060L315766	• L:200 mm • Setting Range: 70-120 °C	4090097
KPS80	060L313866	• L:160 mm • Setting Range: 70-120 °C	4090098
KPS81	060L311066	• L:200 mm • Setting Range: 60-150 °C	4090099

Description: Fixed Sensor

KPS.. TEMPERATURE CONTROLLERS



Model	Code	Description	Poz Nr.
KPS77	060L310166	• L:2 m • Setting Range: 20-60°C	4090104
KPS79	060L310466	• L:2 m • Setting Range: 50-100°C	4090105
KPS79	060L312266	• L:2 m • Setting Range: 50-100°C	4090106
KPS79	060L314366	• L:3 m • Setting Range: 50-100°C	4090107
KPS80	060L312866	• L:2 m • Setting Range: 70-120°C	4090108
KPS80	060L315666	• L:3 m • Setting Range: 70-120°C	4090109
KPS81	060L310666	• L:2 m • Setting Range: 60-150°C	4090110
KPS81	060L313466	• L:5 m • Setting Range: 60-150°C	4090111
KPS83	060L310866	• L:2 m • Setting Range: 100-200°C	4090112

Description: Capillary Tube With Protection Pocket



TEMPERATURE CONTROLLERS

RT... TEMPERATURE CONTROLLERS



Model	Code	Description	Poz.Nr.
RT14	017-509966	• L:2 m • Setting Range: -5-30 °C	4090113
RT101	017-500366	• L:2 m • Setting Range: 25-90 °C	4090114
RT107	017-513566	• L:2 m • Setting Range: 70-150 °C	4090115

Description: With Capillary Tube, Contact Function: SPDT

MBC8100... TEMPERATURE CONTROLLERS



Model	Code	Description	Poz.Nr.
MBC8100	061B810566	• L:2 mm • 60-150 °C	4090120
MBC8100	061B810466	• L:2 mm • 70-120 °C	4090121

Description: With Protection Pocket for Capillary Tube, Heavy-duty, High Vibration Resistance, Marine Applications

ACCESSORIES



Model	Code	Description	Poz.Nr.
	017-437066	• G1/2" -L:112-Q:9,5 mm protection pocket for RT/KP	4090116
	060L326266	• Protection pocket for KPS thermostat • L:75 mm • D:15 mm • Brass	4090117

MBC8100... TEMPERATURE CONTROLLERS



Model	Code	Description	Poz.Nr.
MBC8100	061B800566	• L:75 mm • 60-150 °C	4090118
MBC8100	061B800466	• L:75 mm • 70-120 °C	4090119

Description: Fixed Sensor, Heavy-duty, High Vibration Resistance, Marine Applications

Fluid control

With Danfoss valves you gain high quality, balanced with cost efficiency, making them the first choice in a many industrial applications.

Our valves are virtually maintenance free and designed to provide reliable service, year after year.

Three ways of efficiently controlling fluids:

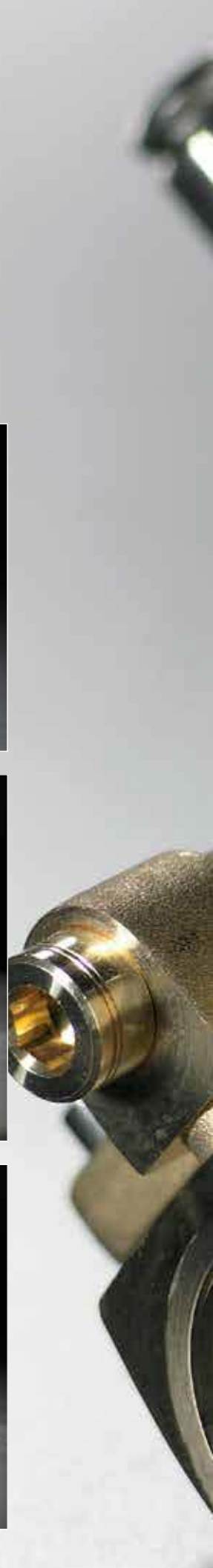
Solenoid valves are an easy way to control and regulate fluids and gasses. Our programme consists of direct-operated, servo-operated and assisted lift versions. Solenoid valves are the right choice when you have media with limited dirt content and small to high flow volume.

Our solenoid valve programme consists of two ranges:

- **The compact A range**
 - offering small physical dimensions for control of flow where space is limited.
- **The high performance B range**
 - a sturdy and universal broad programme for control of flow in industrial applications and within heating and sanitary systems.

Pneumatically activated angle seat valves are designed for specialised and demanding applications. These robust valves are the right choice for media with high dirt content, high viscosity, high ambient and media temperatures and large flow volumes. They are also suitable for humid environments, explosion hazard environments and for applications with low or unknown pressure conditions.

Thermostatic self-acting valves are a simple and reliable way to control the temperature of cooling equipment. They do not require electricity and they are insensitive to dirt and media pressure, making them a highly robust choice.



Example: Heating systems



An EV250B solenoid valve, a great all-round valve, is the preferred choice for many manufacturers in applications with low differential pressures, such as heating systems. Its design not only allows for a wide pressure range, it also reduces noise and increases the lifetime of the system through water hammer dampening.

Other applications

- Water booster pumps
- Membrane filtration units
- Fire-fighting pumping stations and equipment
- Biomass boilers
- Irrigation system
- Ultra and high purity water
- Catering water
- Desalination of saline water
- Water leak protection
- Car wash
- Dentist equipment
- Wind turbines
- Steam boilers
- Steam generators
- Laundry system
- Burners
- Cleaning units
- Dishwashing
- Degassing system
- Sterilizers and autoclaves
- Lubricated screw compressors
- Oil free compressors
- Drainage
- Pool control
- Solar
- Showers
- Saunas
- Sprinklers
- Petrol dispensers
- Heavy duty application

















INDUSTRIAL AUTOMATION DEVICES/SELECTION TABLE



Solenoid valves

in this catalogue



Type	EV250B 2/2-way	EV220B 6 – 22 2/2-way	EV220B 15 – 50 2/2-way	EV220B 65 – 100 2/2-way	EV220A 2/2-way	EV224B 2/2-way	
Media	Water						
	Air and neutral gasses      						
	Oil						
	Steam  						
Characteristics	Dirty media	✓	✓	✓	✓	✓	
	Long lifetime	✓	✓	✓	✓	✓	
	Soft closing (Low waterhammer)	✓	✓	✓	✓	✓	✓
	System suitability	 Closed and drain	 Open	 Open	 Open	 Open	 Open
	Connection	G 3/8 – G 1	G 1/4 – G 1	G 1/2 – G 2	Flange connections: 2, 5, 3 and 4"	G 1/4 – G 2	G 1/2 – G 1
	Function	NC or NO	NC or NO	NC or NO	NC	NC or NO	NC or NO
	Orifice size [mm]	10 – 22	6 – 22	15 – 50	65 – 100	6 – 50	15 – 25
	Pressure range [bar]	0 – 10	0.1 – 30	0.3 – 16	0.25 – 10	0.2 – 16	0.3 – 40
	Medium temperature max.	140 °C	100 °C	140 °C	90 °C	100 °C	60 °C
	K _v value [m ³ /h]	2.5 – 7	0.7 – 6	4 – 40	50 – 130	1 – 32	4 – 11
	Special features						High pressure
	Approvals*	WRAS, VA	WRAS, VA and DNV	GL, WRAS, VA and DNV		WRAS and VA	GL
Material	Valve body	DZR Brass	Brass or DZR brass	Brass, DZR Brass or stainless steel	Cast iron	Brass	
	Internal	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	
	Seal material	EPDM or FKM	EPDM or FKM	EPDM, FKM or NBR	EPDM or NBR	EPDM, NBR or FKM	NBR

* Only EPDM versions in Normally Closed (NC) valves are WRAS approved. GL = Germanischer Lloyd. WRAS = Water Regulations Advisory Scheme. VA = Water supply and drainage of ETA Denmark



EV225B 2/2-way	EV260B 2-way proportional	EV210B 2/2-way	EV310B 3/2-way	EV210A 2/2-way	EV310A 3/2-way	AVTA 2-way proportional	AV210
	✓	✓	✓			✓	✓
✓	✓	✓	✓			✓	✓
	✓						
G 1/4 – G 1	G 1/4 – G 3/4	G 1/2 – G 1	G 1/2 – G 3/4, flange 32 mm	G 1/2 – G 1/4, flange 32 mm	G 1/2 – G 1/4, flange 32 mm	G 3/8 – G 1	G 3/8 – G 2
NC	NC	NC or NO	NC or NO	NC or NO	NC or NO	Thermostatic	NC or NO
6 – 25	6 – 20	1.5 – 25	1.5 – 3.5	1.2 – 3.5	1.2 – 2	10 – 25	15 – 50
0.2 – 10	0.5 – 10	0 – 30	0 – 20	0 – 30	0 – 20	0 – 10	0 – 16
185 °C	80 °C	140 °C	100 °C	120 °C	100 °C	130 °C	180 °C
0.3 – 6	0.8 – 5	0.08 – 8	0.08 – 0.4	0.04 – 0.26	0.04 – 0.08	1.4 – 5.5	4.5 – 74
		Isolating diaphragm	Manual override option		Manual override option		Options: Manual override position indicator
		GL, WRAS, VA and DNV	GL		WRAS		
DZR Brass	Brass	Brass or stainless steel	Brass or stainless steel	Brass	Brass or stainless steel	Brass or stainless steel	Gun metal or stainless steel
Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Brass or stainless steel	Stainless steel
PTFE and AFLAS	FKM and PTFE	EPDM or FKM	FKM	EPDM or FKM	FKM	EPDM or NBR	PTFE

ark. DNV = Det Norske Veritas. S/GW = Schweizerischer Verein des Gas- und Wasserfachs.



INDUSTRIAL AUTOMATION DEVICES

SOLENOID VALVES



EV250B SOLENOID VALVE BODIES (WITHOUT COIL)



Model	Code	Description	Poz Nr.
EV250B 10	032U5250	<ul style="list-style-type: none"> • G^{3/8"} • Kv:2,5 m³/h • 120 °C Water • EPDM Gasket 	4090122
EV250B 10	032U5251	<ul style="list-style-type: none"> • G^{3/8"} • Kv:2,5 m³/h • Oil and Air • FKM Gasket 	4090123
EV250B 12	032U5252	<ul style="list-style-type: none"> • G^{1/2"} • Kv:4 m³/h • 120 °C Water • EPDM Gasket 	4090124
EV250B 12	032U5253	<ul style="list-style-type: none"> • G^{1/2"} • Kv:4 m³/h • Oil and Air • FKM Gasket 	4090125
EV250B 18	032U5254	<ul style="list-style-type: none"> • G^{3/4"} • Kv:6 m³/h • 120 °C Water • EPDM Gasket 	4090126
EV250B 18	032U5255	<ul style="list-style-type: none"> • G^{3/4"} • Kv:6 m³/h • Oil and Air • FKM Gasket 	4090127
EV250B 22	032U5256	<ul style="list-style-type: none"> • G1" • Kv:7 m³/h • 120 °C Water • EPDM Gasket 	4090128
EV250B 22	032U5257	<ul style="list-style-type: none"> • G1" • Kv:7 m³/h • Oil and Air • FKM Gasket 	4090129

Description: Normally Closed, Brass Body, Differential Pressure: 0-10 Bar, 2/2 Way

EV250B SOLENOID VALVE BODIES (WITHOUT COIL)



Model	Code	Description	Poz Nr.
EV250B 10	032U5350	<ul style="list-style-type: none"> • G^{3/8"} • Kv:2,5 m³/h • 120°C Water • EPDM Gasket 	4090130
EV250B 12	032U5352	<ul style="list-style-type: none"> • G^{1/2"} • Kv:4 m³/h • 120°C Water • EPDM Gasket 	4090131
EV250B 18	032U5354	<ul style="list-style-type: none"> • G^{3/4"} • Kv:4,9 m³/h • 120 °C Water • EPDM Gasket 	4090132
EV250B 22	032U5356	<ul style="list-style-type: none"> • G1" • Kv:5,2 m³/h • 120°C Water • EPDM Gasket 	4090133

Description: Normally Open, Brass Body, Differential Pressure:0-10 Bar, 2/2 Way



SOLENOID VALVES

EV250B SOLENOID VALVE COILS



Model	Code	Description	Poz Nr.
BB	018F7358	• 24 V AC • 9W • IP00 • Clip-on	4090134
BB	018F7360	• 110V AC • 10W • IP00 • Clip-on	4090135
BB	018F7351	• 220-230 V AC • 10W • IP00 • Clip-on	4090136
BB	018F7397	• 24 V DC • 18W • IP00 • Clip-on	4090137
BE	018F6707	• 24 V AC • 10W • IP67 • Clip-on and connector	4090138
BE	018F6709	• 48 V AC • 10W • IP67 • Clip-on and connector	4090139
BE	018F6711	• 110V AC • 10W • IP67 • Clip-on and connector	4090140
BE	018F6701	• 220-230V AC • 10W • IP67 • Clip-on and connector	4090141
BE	018F6702	• 240V AC • 10W • IP67 • Clip-on and connector	4090142
BE	018F6703	• 380-400V AC • 10W • IP67 • Clip-on and connector	4090143
BE	018F6756	• 12V DC • 10W • IP67 • Clip-on and connector	4090144
BE	018F6757	• 24V DC • 10W • IP67 • Clip-on and connector	4090145

EV220A SOLENOID VALVE BODIES (WITHOUT COIL)



Model	Code	Description	Poz Nr.
EV210A	032H8005	• G ^{1/8"} • N.K • 0,11 m ^{3/h}	4090146
EV210A	032H8017	• G ^{1/4"} • N.K • 0,22 m ^{3/h}	4090147

Description: Normally Closed, 120°C Water, EPDM Gasket, Brass Body, 2/2 Way

EV220A SOLENOID VALVE BODIES (WITHOUT COIL)



Model	Code	Description	Poz Nr.
EV210A	032H8018	• G ^{1/4"} • N.K • 0,26 m ^{3/h}	4090148

Description: Normally Closed, 120°C Water, EPDM Gasket, Brass Body, 2/2 Way

EV220A SOLENOID VALVE BODIES (WITHOUT COIL)



Model	Code	Description	Poz Nr.
EV220A	042U4012	• G ^{1/2"} • N.K • 1,6 m ^{3/h}	4090149
EV220A	042U4022	• G ^{1/2"} • N.K • 4 m ^{3/h}	4090150
EV220A	042U4031	• G ^{3/4"} • N.K • 7 m ^{3/h}	4090151

Description: Normally Closed, 120°C Water, EPDM Gasket, Brass Body, 2/2 Way



SOLENOID VALVES

EV220A SOLENOID VALVE BODIES (WITHOUT COIL)



Model	Code	Description	Poz Nr.
EV220A	042U4013	<ul style="list-style-type: none"> • G^{3/8"} • N.K. • 1,6 m³/h 	4090152
EV220A	042U4032	<ul style="list-style-type: none"> • G^{3/8"} • N.K. • 7 m³/h 	4090153
EV220A	042U4042	<ul style="list-style-type: none"> • G1" • N.K. • 7 m³/h 	4090154
EV220A	042U4088	<ul style="list-style-type: none"> • G2" • N.K. • 32 m³/h 	4090155

Description: Normally Closed, Oil, Air and 90°C Water, NBR Gasket, Brass Body, 2/2 Way

EV210A and 220A SOLENOID VALVE COILS



Model	Code	Description	Poz Nr.
AM	042N0840	<ul style="list-style-type: none"> • 24V AC • 7,5 W 	4090156
AM	042N0845	<ul style="list-style-type: none"> • 110V AC • 7,5 W 	4090157
AM	042N0842	<ul style="list-style-type: none"> • 24V AC • 7,5 W 	4090158
AM	042N0843	<ul style="list-style-type: none"> • 24V DC • 9,5 W 	4090159
AM	042N0848	<ul style="list-style-type: none"> • 12V DC • 9,5 W 	4090160

COIL CONNECTOR



Model	Code	Description	Poz Nr.
	042N0156		4090161

EV220B 15-50 SOLENOID VALVE (COIL AND CONNECTOR INCLUDED)



Model	Code	Description	Poz Nr.
EV220B	032U451431	<ul style="list-style-type: none"> • G^{1/2"} • N.K. • 230V AC • 4 m³/h 	4090162
EV220B	032U453031	<ul style="list-style-type: none"> • G^{3/4"} • N.K. • 230V AC • 8 m³/h 	4090163
EV220B	032U453431	<ul style="list-style-type: none"> • G1" • N.K. • 230V AC • 11 m³/h 	4090164
EV220B	032U456831	<ul style="list-style-type: none"> • G^{1 1/4"} • N.K. • 230V AC • 18 m³/h 	4090165
EV220B	032U458531	<ul style="list-style-type: none"> • G^{1 1/2"} • N.K. • 230V AC • 24 m³/h 	4090166
EV220B	032U460431	<ul style="list-style-type: none"> • G2" • N.K. • 230V AC • 40 m³/h 	4090167

Description: Normally Closed, Oil, Air and 90°C Water, NBR Gasket, Brass Body, 2/2 Way



SOLENOID VALVES

EV220B 15-50 SOLENOID VALVE BODY (WITHOUT COIL)



Model	Code	Description	Poz Nr.
EV220B	032U7115	• G1/2" • N.K • 4 m ³ /h	4090168
EV220B	032U7120	• G3/4" • N.K • 4 m ³ /h	4090169
EV220B	032U7125	• G1" • N.K • 11 m ³ /h	4090170
EV220B	032U7132	• G1 1/4" • N.K • 18 m ³ /h	4090171
EV220B	032U7140	• G1 1/2" • N.K • 24 m ³ /h	4090172
EV220B	032U7150	• G2" • N.K • 40 m ³ /h	4090173

Description: Normally Closed, 120°C Water, EPDM Gasket, Brass Body, 2/2 Way

EV220B 15-50 SOLENOID VALVE BODY (WITHOUT COIL)



Model	Code	Description	Poz Nr.
EV220B	032U7117	• G1/2" • N.A • 4 m ³ /h	4090178
EV220B	032U7127	• G1" • N.A • 11 m ³ /h	4090179
EV220B	032U7142	• G1 1/2" • N.A • 24 m ³ /h	4090180
EV220B	032U7142	• G2" • N.A • 40 m ³ /h	4090181

Description: Normally Open, 120 °C Water, EPDM Gasket, Brass Body, 2/2 Way

EV220B 15-50 SOLENOID VALVE BODY (WITHOUT COIL)



Model	Code	Description	Poz Nr.
EV220B	032U8500	• G1/2" • N.K • 4 m ³ /h	4090174
EV220B	032U8501	• G3/4" • N.K • 8 m ³ /h	4090175
EV220B	032U8502	• G1" • N.K • 11 m ³ /h	4090176
EV220B	032U8504	• G1 1/2" • N.K • 24 m ³ /h	4090177

Description: Normally Closed, 120 °C Water, EPDM Gasket, Stainless Steel Body, 2/2 Way



SOLENOID VALVES



EV220B 15-50 SOLENOID VALVE BODY (WITHOUT COIL)



Model	Code	Description	Poz Nr.
EV220B	032U7170	<ul style="list-style-type: none"> • G^{1/2"} • N.K. • 4 m³/h 	4090182
EV220B	032U7172	<ul style="list-style-type: none"> • G^{1"} • N.K. • 11 m³/h 	4090183
EV220B	032U7173	<ul style="list-style-type: none"> • G^{1/4"} • N.K. • 18 m³/h 	4090184
EV220B	032U7174	<ul style="list-style-type: none"> • G^{1/2"} • N.K. • 24 m³/h 	4090185
EV220B	032U7175	<ul style="list-style-type: none"> • G^{2"} • N.K. • 40 m³/h 	4090186

Description: Normally Closed, Oil, Air and 90 °C Water, NBR Gasket, Brass Body, 2/2 Way

EV220A SOLENOID VALVE BODY (WITHOUT COIL)



Model	Code	Description	Poz Nr.
EV220B	032U7180	<ul style="list-style-type: none"> • G^{1/2"} • N.A. • 4 m³/h 	4090187
EV220B	032U7185	<ul style="list-style-type: none"> • G^{2"} • N.A. • 40 m³/h 	4090188

Description: Normally Open, Oil, Air and 90°C Water, NBR Gasket, Brass Body, 2/2 Way

EV220A SOLENOID VALVE BODY (WITHOUT COIL)



Model	Code	Description	Poz Nr.
EV220B	032U7121	<ul style="list-style-type: none"> • G^{3/4"} • N.K. • 8 m³/h 	4090189
EV220B	032U7141	<ul style="list-style-type: none"> • G^{1/2"} • N.K. • 24 m³/h 	4090190

Description: Normally Closed, Oil and Air, FKM Gasket, Brass Body, 2/2 Way

EV220A SOLENOID VALVE BODY (WITHOUT COIL)



Model	Code	Description	Poz Nr.
EV220B	032U8510	<ul style="list-style-type: none"> • G^{1/2"} • N.K. • 24 m³/h 	4090191

Description: Normally Closed, Oil and Air, FKM Gasket, Stainless steel, 2/2 Way

EV220B 65-100 FLANGED SOLENOID VALVE BODY (WITHOUT COIL)



Model	Code	Description	Poz Nr.
EV220B	016D3330	<ul style="list-style-type: none"> • 2 1/2" • N.K. • 50 m³/h 	4090192
EV220B	016D3331	<ul style="list-style-type: none"> • 3" • N.K. • 75 m³/h 	4090193

Description: Normally Closed, Oil and 90°C Water, NBR Gasket, Cast Iron body, 2/2 Way



SOLENOID VALVES

EV250B SOLENOID VALVE COILS



Model	Code	Description	Poz Nr.
BB	018F7358	• 24V AC • 9W • IP00 • Clip - On	4090134
BB	018F7360	• 110 V AC • 10W • IP00 • Clip - On	4090135
BB	018F7351	• 220-230V AC • 10W • IP00 • Clip - On	4090136
BB	018F7397	• 24V DC • 18W • IP00 • Clip - On	4090137

EV250B SOLENOID VALVE COILS



Model	Code	Description	Poz Nr.
BE	018F6707	• 24V AC • 10W • IP67 • Clip - On and Connector	4090138
BE	018F6709	• 48V AC • 10W • IP67 • Clip - On and Connector	4090139
BE	018F6711	• 110V AC • 10W • IP67 • Clip - On and Connector	4090140
BE	018F6701	• 220-230V AC • 10W • IP67 • Clip - On and Connector	4090141
BE	018F6702	• 240V AC • 10W • IP67 • Clip - On and Connector	4090142
BE	018F6703	• 380-400V AC • 10W • IP67 • Clip - On and Connector	4090143
BE	018F6756	• 12V DC • 18W • IP67 • Clip - On and Connector	4090144
BE	018F6757	• 24V DC • 18W • IP67 • Clip - On and Connector	4090145

COIL CONNECTOR



Model	Code	Description	Poz Nr.
	042N0156		409016

EV225B SOLENOID VALVE (COIL AND CONNECTOR INCLUDED)



Model	Code	Description	Poz Nr.
EV225B	032U380431	• 1/2" • 2.2 m ³ /h	4090210
EV225B	032U380531	• 1/2" • 3 m ³ /h	4090211
EV225B	032U380631	• 3/4" • 5 m ³ /h	4090212
EV225B	032U380731	• 1" • 6 m ³ /h	4090213

Description: Normally Closed, 185°C Steam, 230V

EV225B SOLENOID VALVE BODIES (WITHOUT COIL)



Model	Code	Description	Poz Nr.
EV225B	032U3802	• 1/4" • 0.9 m ³ /h	4090214
EV225B	032U3804	• 1/2" • 3 m ³ /h	4090215
EV225B	032U3806	• 3/4" • 5 m ³ /h	4090216
EV225B	032U3807	• 1" • 6 m ³ /h	4090217

Description: Normally Closed, 185°C Steam, 230V



INDUSTRIAL AUTOMATION DEVICES

SOLENOID VALVES



EV225B SOLENOID VALVE COILS



Model	Code	Description	Poz.Nr.
BQ	018F4517	<ul style="list-style-type: none"> • 24V AC • 10W • 10 Bar • 185 °C • IP65 • Clip-On 	4090218
BQ	018F4511	<ul style="list-style-type: none"> • 230V AC • 10W • 10 Bar • 185 °C • IP65 • Clip-On 	4090219
BN	018F6968	<ul style="list-style-type: none"> • 24V DC • 20W • 5 Bar • 160 °C • IP65 • Clip-On 	4090220
BB	018F7358	<ul style="list-style-type: none"> • 24V AC • 10W • 5 Bar • 160 °C • IP65 • Clip-On 	4090134
BB	018F7360	<ul style="list-style-type: none"> • 110V AC • 10W • 5 Bar • 160 °C • IP65 • Clip-On 	4090135
BB	018F7351	<ul style="list-style-type: none"> • 230V AC • 10W • 5 Bar • 160 °C • IP65 • Clip-On 	4090136
BB	018F7397	<ul style="list-style-type: none"> • 24V DC • 18W • 3,6 Bar • 140 °C • IP65 • Clip-On 	4090137

COIL CONNECTOR



Model	Code	Description	Poz.Nr.
	042N0156	Coil Connector	4090161



THERMOSTATIC VALVES

AVTA TYPE THERMOSTATIC VALVES



Model	Code	Description	Poz Nr.
AVTA 15	003N0107	<ul style="list-style-type: none">• 1/2"• Setting Range: 10-80 °C• 1,9 m^{3/h}• L:2,3 m	4090226
AVTA 20	003N0108	<ul style="list-style-type: none">• 3/4"• Setting Range: 10-80 °C• 3,4 m^{3/h}• L:2,3 m	4090227
AVTA 25	003N0109	<ul style="list-style-type: none">• 1"• Setting Range: 10-80 °C• 5,5 m^{3/h}• L:2,3 m	4090228
AVTA 10	003N1132	<ul style="list-style-type: none">• 3/8"• Setting Range: 0-30 °C• 1,4 m^{3/h}• L:2 m	4090229
AVTA 15	003N2132	<ul style="list-style-type: none">• 1/2"• Setting Range: 0-30 °C• 1,9 m^{3/h}• L:2 m	4090230
AVTA 25	003N4132	<ul style="list-style-type: none">• 1"• Setting Range: 0-30 °C• 5,5 m^{3/h}• L:2 m	4090231
AVTA 15	003N12162	<ul style="list-style-type: none">• 1/2"• Setting Range: 25-65 °C• 1,9 m^{3/h}• L:2 m	4090232
AVTA 20	003N3162	<ul style="list-style-type: none">• 3/4"• Setting Range:25-65 °C• 3,4 m^{3/h}• L:2 m	4090233
AVTA 25	003N4162	<ul style="list-style-type: none">• 1"• Setting Range: 25-65 °C• 5,5 m^{3/h}• L:2 m	4090234
AVTA 25	003N4182	<ul style="list-style-type: none">• 1"• Setting Range:50-90 °C• 5,5 m^{3/h}• L:2 m	4090235



INDUSTRIAL AUTOMATION DEVICES



PNEUMATIC CONTROLLED VALVES

AV210 TYPE PNEUMATIC VALVES



Model	Code	Description	Poz Nr.
AV210A 15	042N4402	<ul style="list-style-type: none"> • G^{1/2}" • Bronze Body • Differential: 0-16 Bar • Control: 4,2-10 Bar • Control Cylinder: 40 mm 	4090236
AV210B 20	042N4404	<ul style="list-style-type: none"> • G^{3/4}" • Bronze Body • Differential: 0-10 Bar • Control: 4-10 Bar • Control Cylinder: 50 mm 	4090237
AV210C 25	042N4406	<ul style="list-style-type: none"> • G1" • Bronze Body • Differential: 0-11 Bar • Control: 4-10 Bar • Control Cylinder: 63 mm 	4090238
AV210D 32	042N4408	<ul style="list-style-type: none"> • G^{1 1/4}" • Bronze Body • Differential: 0-14 Bar • Control: 4-8 Bar • Control Cylinder: 90 mm 	4090239
AV210C 25	042N4454	<ul style="list-style-type: none"> • G1" • Stainless Steel Body • Differential: 0-11 Bar • Control: 4-10 Bar • Control Cylinder: 63 mm 	4090240
AV210D 25	042N4455	<ul style="list-style-type: none"> • G1" • Stainless Steel Body • Differential: 0-16 Bar • Control: 4-8 Bar • Control Cylinder: 90 mm 	4090241
AV210D 40	042N4457	<ul style="list-style-type: none"> • G^{1 1/2}" • Stainless Steel Body • Differential: 0-11 Bar • Control: 4-8 Bar • Control Cylinder: 90 mm 	4090242
AV210E 50	042N4459	<ul style="list-style-type: none"> • G2" • Stainless Steel Body • Differential: 0-10 Bar • Control: 4-8 Bar • Control Cylinder: 110 mm 	4090243

Description: Normally Closed, PTFE Gasket, Media Temperature: -30-180°C

Pressure transmitters



Industries

Serving a broad, global market within diverse and demanding industries, Industrial Automation is your one-stop partner for industrial control components. Through Danfoss Industrial Automation you gain access to the entire Danfoss pool of technology for a wide range of industries.

HYDRAULICS

In a world depending on infrastructure, mobile hydraulic equipment is key to making modern living possible for an ever growing population. Whether used in construction, agriculture or for material handling, mobile hydraulics equipment offers efficiency, economy, safety and environmental advantages.

MARINE

From the handling of sewage water to the treatment of exhaust gasses: A modern ship contains most of the applications found on shore, albeit in a limited space. Danfoss Industrial Automation is a global leader in supplying pressure transmitters to equipment placed in and around the engine room: 2 and 4 stroke diesel and gas engines, propulsion systems, fuel treatment, oil separators among others.

AIR COMPRESSORS

Spanning from very small units for medical use to very large industrial compressors operating in the kilowatt power band, the air compressor industry covers a huge range of equipment. Equally varied are the fundamental compressor technologies used.

PUMPS

The global need for clean water is enormous and on the rise, calling for a dedicated common effort to control the water cycle. Danfoss is well prepared to contribute to such endeavors. To us, the pump is the key to controlling the water cycle – from intake to effluent. Consequently, we have developed a range of sensors and switches for pumps, tailored for the most common applications in the water industry.



Pressure transmitters

in this catalogue



Type	Standard Pulse-snubber	MBS1700	MBS1750	MBS3000	MBS3050	MBS3200
Industries	Transportation					
	Heating and sanitation					
	Machine and equipment					
	Energy					
Characteristics	Sensor technology	Piezo resistive	Piezo resistive	Piezo resistive	Piezo resistive	Piezo resistive
	Accuracy FS (typ)	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%
	Max. measuring range	25 bar 362 psi	400 bar 5,800 psi	600 bar 9,000 psi	600 bar 9,000 psi	600 bar 9,000 psi
	Output signal	4 – 20 mA	4 – 20 mA	4 – 20 mA and absolute voltage	4 – 20 mA and absolute voltage	4 – 20 mA and absolute voltage
	Medium temperature	-40 – 85 °C -40 – 185 °F	-40 – 85 °C -40 – 185 °F	-40 – 85 °C -40 – 185 °F	-40 – 85 °C -40 – 185 °F	-40 – 125 °C -40 – 257 °F
	Enclosure IP	IP65	IP65	IP65 IP67	IP65 IP67	IP65 IP67
	Wetted parts material	AISI 316L	AISI 316L	AISI 316L	AISI 316L	AISI 316L
	Housing material	AISI 316L, PA 6.6	AISI 316L, PA 6.6	AISI 316L, PA 6.6	AISI 316L, PA 6.6	AISI 316L, PA 6.6
	Zero point and span adjustment					
	Marine approvals					
	ATEX approvals			Zone 2	Zone 2	Zone 2
	UL HazLoc			Class 1, Div. 2	Class 1, Div. 2	Class 1, Div. 2



Railways and marine



Industrial hydraulics, air compressors, water pumps and industrial engines






















Electric power and wind turbines



Boiler and boiler room equipment, sterilisers and autoclaves



							
	MBS 3250	MBS 4510	MBS 3100	MBS 3150	MBS 5100	MBS 5150	EMP 2
							
							
							
							
	Piezo resistive	Piezo resistive	Piezo resistive	Piezo resistive	Piezo resistive	Piezo resistive	Piezo resistive
	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.3%	± 0.3%	± 0.3
	600 bar 9,000 psi	25 bar 360 psi	600 bar 9,000 psi	600 bar 9,000 psi	600 bar 9,000 psi	600 bar 9,000 psi	400 bar 6,000 psi
	4 – 20 mA and absolute voltage	4 – 20 mA	4 – 20 mA	4 – 20 mA	4 – 20 mA	4 – 20 mA	4 – 20 mA
	-40 – 125 °C -40 – 257 °F	-10 – 85 °C 14 – 185 °F	-40 – 85 °C -40 – 185 °F	-40 – 85 °C -40 – 185 °F	-40 – 85 °C -40 – 185 °F	-40 – 85 °C -40 – 185 °F	-40 – 100 °C -40 – 212 °F
	IP65 IP67	IP65	IP65 IP67	IP65 IP67	IP65	IP65	IP67
	AISI 316L	AISI 316L	AISI 316L	AISI 316L	AISI 316L	AISI 316L	AISI316L
	AISI 316L, PA 6.6	AISI 316L, PA 6.6	AISI 316L, PA 6.6	AISI 316L, PA 6.6	AISI 316L, PA 6.6	AISI 316L, PA 6.6	AI
		●			●	●	●
			●	●	●	●	●
	Zone 2	Zone 2	Zone 2	Zone 2	Zone 2	Zone 2	Zone 2
	Class 1, Div. 2	Class 1, Div. 2	Class 1, Div. 2	Class 1, Div. 2	Class 1, Div. 2	Class 1, Div. 2	



INDUSTRIAL AUTOMATION DEVICES



PRESSURE TRANSMITTERS

MBS 33 TYPE PRESSURE TRANSMITTERS FOR GENERAL INDUSTRIAL APPLICATIONS



Model	Code	Description	Poz Nr.
MBS33	060G3006	• 1/2" • 0-1 Bar • 4-20 mA	4090244
MBS33	060G3007	• 1/2" • 0-1,6 Bar • 4-20 mA	4090245
MBS33	060G3008	• 1/2" • 0-2,5 Bar • 4-20 mA	4090246
MBS33	060G3009	• 1/2" • 0-4 Bar • 4-20 mA	4090247
MBS33	060G3010	• 1/2" • 0-6 Bar • 4-20 mA	4090248
MBS33	060G3011	• 1/2" • 0-10 Bar • 4-20 mA	4090249
MBS33	060G3012	• 1/2" • 0-16 Bar • 4-20 mA	4090250
MBS33	060G3013	• 1/2" • 0-25 Bar • 4-20 mA	4090251
MBS33	060G3014	• 1/2" • 0-40 Bar • 4-20 mA	4090252
MBS33	060G3015	• 1/2" • 0-60 Bar • 4-20 mA	4090253
MBS33	060G3016	• 1/2" • 0-100 Bar • 4-20 mA	4090254
MBS33	060G3017	• 1/2" • 0-160 Bar • 4-20 mA	4090255
MBS33	060G3018	• 1/2" • 0-250 Bar • 4-20 mA	4090256
MBS33	060G3019	• 1/2" • 0-400 Bar • 4-20 mA	4090257
MBS33	060G3020	• 1/2" • 0-600 Bar • 4-20 mA	4090258

MBS 1700 GENERAL PURPOSE PRESSURE TRANSMITTER



Model	Code	Description	Poz Nr.
MBS 1700	060G6100	• 1/4" • 0-6 Bar • 4-20 mA	4090259
MBS 1700	060G6101	• 1/4" • 0-10 Bar • 4-20 mA	4090260
MBS 1700	060G6102	• 1/4" • 0-16 Bar • 4-20 mA	4090261
MBS 1700	060G6103	• 1/4" • 0-25 Bar • 4-20 mA	4090262

MBS 1700 GENERAL PURPOSE PRESSURE TRANSMITTER



Model	Code	Description	Poz Nr.
MBS 1700	060G6104	• 0-6 Bar • 4-20 mA	
MBS 1700	060G6105	• 0-10 Bar • 4-20 mA	
MBS 1700	060G6106	• 0-16 Bar • 4-20 mA	
MBS 1700	060G6107	• 0-25 Bar • 4-20 mA	

Description: G1/2"A, Pg9 Plug

MBS 1750 GENERAL PURPOSE PRESSURE TRANSMITTER



Model	Code	Description	Poz Nr.
MBS 1750	060G6108	• 0-60 Bar • 4-20 mA	
MBS 1750	060G6109	• 0-100 Bar • 4-20 mA	
MBS 1750	060G6110	• 0-160 Bar • 4-20 mA	
MBS 1750	060G6111	• 0-250 Bar • 4-20 mA	
MBS 1750	060G6112	• 0-400 Bar • 4-20 mA	

Description: G1/4"A, Pg9 Plug, With Pulse-Snubber



PRESSURE TRANSMITTERS

MBS 3000 TYPE PRESSURE TRANSMITTERS



Model	Code	Description	Poz Nr.
MBS 3000	060G1113	• 1/4" • 0-1 Bar • 4-20 mA	4090263
MBS 3000	060G1429	• 1/4" • 0-1,6 Bar • 4-20 mA	4090264
MBS 3000	060G1122	• 1/4" • 0-2,5 Bar • 4-20 mA	4090265
MBS 3000	060G1123	• 1/4" • 0-4 Bar • 4-20 mA	4090266
MBS 3000	060G1124	• 1/4" • 0-6 Bar • 4-20 mA	4090267
MBS 3000	060G1125	• 1/4" • 0-10 Bar • 4-20 mA	4090268
MBS 3000	060G1133	• 1/4" • 0-16 Bar • 4-20 mA	4090269
MBS 3000	060G1430	• 1/4" • 0-25 Bar • 4-20 mA	4090270
MBS 3000	060G1105	• 1/4" • 0-40 Bar • 4-20 mA	4090271
MBS 3000	060G1106	• 1/4" • 0-60 Bar • 4-20 mA	4090272
MBS 3000	060G1107	• 1/4" • 0-100 Bar • 4-20 mA	4090273
MBS 3000	060G1112	• 1/4" • 0-160 Bar • 4-20 mA	4090274
MBS 3000	060G1111	• 1/4" • 0-250 Bar • 4-20 mA	4090275

Description: Railways, Heating, Plumbing, Industrial Hydraulic, Air Compressors, Water Pumps

MBS 3200 TYPE PRESSURE TRANSMITTERS



Model	Code	Description	Poz Nr.
MBS 3200	060G1874	• 1/2" • 0-6 Bar • 4-20 mA	4090276
MBS 3200	060G1876	• 1/2" • 0-16 Bar • 4-20 mA	4090277
MBS 3200	060G1877	• 1/2" • 0-25 Bar • 4-20 mA	4090278

Description: Railways, Heating, Plumbing, Industrial Hydraulic and Industrial Motors

DST P140 AIR AND WATER APPLICATION PRESSURE TRANSMITTER



Model	Code	Description	Poz Nr.
DST P140	075G4034	• 0-4 Bar • 4-20 mA	
DST P140	075G4035	• 0-6 Bar • 4-20 mA	
DST P140	075G4027	• 0-10 Bar • 4-20 mA	
DST P140	075G4029	• 0-16 Bar • 4-20 mA	
DST P140	075G4031	• 0-25 Bar • 4-20 mA	
DST P140	075G4033	• 0-40 Bar • 4-20 mA	

Description: GG1/4"A, M12x1 Plug

OMRON

DST P140 AIR AND WATER APPLICATION PRESSURE TRANSMITTER



Model	Code	Description	Poz Nr.
XS-L	XS2FLM12PVC4S2	• 0-4 Bar • 4-20 mA	
XS-L	XS2FLM12PVC4S5	• 0-6 Bar • 4-20 mA	


Description: M12x1 Cable




INDUSTRIAL AUTOMATION DEVICES

PRESSURE TRANSMITTERS



PRESSURE TRANSMITTERS FOR MARINE APPLICATIONS			
			
Model	Code	Description	Poz.Nr.
MBS 33M	060G3121	• 1/2" • 0-1 Bar • 4-20 mA	4090279
MBS 33M	060G3122	• 1/2" • 0-1,6 Bar • 4-20 mA	4090280
MBS 33M	060G3123	• 1/2" • 0-2,5 Bar • 4-20 mA	4090281
MBS 33M	060G3124	• 1/2" • 0-4 Bar • 4-20 mA	4090282
MBS 33M	060G3125	• 1/2" • 0-6 Bar • 4-20 mA	4090283
MBS 33M	060G3126	• 1/2" • 0-10 Bar • 4-20 mA	4090284
MBS 33M	060G3127	• 1/2" • 0-16 Bar • 4-20 mA	4090285
MBS 33M	060G3128	• 1/2" • 0-25 Bar • 4-20 mA	4090286
MBS 33M	060G3129	• 1/2" • 0-40 Bar • 4-20 mA	4090287
MBS 33M	060G3130	• 1/2" • 0-60 Bar • 4-20 mA	4090288
MBS 33M	060G3131	• 1/2" • 0-100 Bar • 4-20 mA	4090289
MBS 33M	060G3132	• 1/2" • 0-160 Bar • 4-20 mA	4090290
MBS 33M	060G3133	• 1/2" • 0-250 Bar • 4-20 mA	4090291
MBS 33M	060G3134	• 1/2" • 0-400 Bar • 4-20 mA	4090292
Description: MBS 33M, Standart Model, Cartridge Type, Zero Point and Range Adjustment, AISI316L Body			

PRESSURE TRANSMITTERS FOR MARINE APPLICATIONS			
			
Model	Code	Description	Poz.Nr.
MBS 3100	060G1367	• 1/4" • 0-4 Bar • 4-20 mA	4090293
MBS 3100	060G1368	• 1/4" • 0-6 Bar • 4-20 mA	4090294
MBS 3100	060G1369	• 1/4" • 0-10 Bar • 4-20 mA	4090295
MBS 3100	060G1370	• 1/4" • 0-16 Bar • 4-20 mA	4090296
MBS 3100	060G1371	• 1/4" • 0-25 Bar • 4-20 mA	4090297
MBS 3100	060G1372	• 1/4" • 0-40 Bar • 4-20 mA	4090298
MBS 3100	060G1463	• 1/4" • O-Ring • 0-4 Bar • 4-20 mA	4090299
MBS 3100	060G1464	• 1/4" • O-Ring • 0-6 Bar • 4-20 mA	4090300
MBS 3100	060G1466	• 1/4" • O-Ring • 0-16 Bar • 4-20 mA	4090301
MBS 3100	060G5601	• 1/2" • -1-1,5 Bar • 4-20 mA	4090302
MBS 3100	060G5600	• 1/2" • -1-5 Bar • 4-20 mA	4090303
MBS 3100	060G1469	• 1/2" • 0-4 Bar • 4-20 mA	4090304
MBS 3100	060G1471	• 1/2" • 0-10 Bar • 4-20 mA	4090305
MBS 3100	060G1472	• 1/2" • 0-16 Bar • 4-20 mA	4090306
MBS 3100	060G3388	• 1/2" • 0-40 Bar • 4-20 mA	4090307
Description: MBS 3300, Cartridge Type, AISI316L Body			



PRESSURE TRANSMITTERS

PRESSURE TRANSMITTERS FOR MARINE APPLICATIONS



Model	Code	Description	Poz Nr.
MBS 5100	060N1033	• 1/4" Flanged • 0-2,5 Bar • 4-20 mA	4090308
MBS 5100	060N1034	• 1/4" Flanged • 0-4 Bar • 4-20 mA	4090309
MBS 5100	060N1035	• 1/4" Flanged • 0-6 Bar • 4-20 mA	4090310
MBS 5100	060N1036	• 1/4" Flanged • 0-10 Bar • 4-20 mA	4090311
MBS 5100	060N1037	• 1/4" Flanged • 0-16 Bar • 4-20 mA	4090312
MBS 5100	060N1038	• 1/4" Flanged • 0-25 Bar • 4-20 mA	4090313
MBS 5100	060N1039	• 1/4" Flanged • 0-40 Bar • 4-20 mA	4090314
MBS 5100	060N1040	• 1/4" Flanged • 0-60 Bar • 4-20 mA	4090315
MBS 5150	060N1071	• 1/4" Flanged • 0-4 Bar • 4-20 mA • With pulse snubber.	4090316
MBS 5150	060N1072	• 1/4" Flanged • 0-10 Bar • 4-20 mA • With pulse snubber.	4090317
MBS 5150	060N1073	• 1/4" Flanged • 0-16 Bar • 4-20 mA • With pulse snubber.	4090318

Description: MBS 5100 / 5150 Block Type, Zero Point and Range Adjustment, AISI316L Body

PRESSURE TRANSMITTERS FOR MARINE APPLICATIONS



Model	Code	Description	Poz Nr.
EMP 2	084G2101	• 1/2" • -1-5 Bar • 4-20 mA	4090319
EMP 2	084G2106	• 1/2" • 0-4 Bar • 4-20 mA	4090320
EMP 2	084G2107	• 1/2" • 0-6 Bar • 4-20 mA	4090321
EMP 2	084G2109	• 1/2" • 0-10 Bar • 4-20 mA	4090322
EMP 2	084G2111	• 1/2" • 0-16 Bar • 4-20 mA	4090323
EMP 2	084G2211	• 3/8" • 0-16 Bar • 4-20 mA	4090324
EMP 2	084G2112	• 1/2" • 0-25 Bar • 4-20 mA	4090325
EMP 2	084G2113	• 1/2" • 0-40 Bar • 4-20 mA	4090326
EMP 2	084G2213	• 3/8" • 0-40 Bar • 4-20 mA	4090327

Description: EMP 2, Box Type, Zero Point and Range Adjustment, Alluminium Body

Temperature sensors

Serving a broad, global market within diverse and demanding industries, Industrial Automation is your one-stop partner for industrial control components. Through Danfoss Industrial Automation you gain access to the entire Danfoss pool of technology for a wide range of industries.

HYDRAULICS

In a world depending on infrastructure, mobile hydraulic equipment is key to making modern living possible for an ever growing population. Whether used in construction, agriculture or for material handling, mobile hydraulics equipment offers efficiency, economy, safety and environmental advantages.

MARINE

From the handling of sewage water to the treatment of exhaust gasses: A modern ship contains most of the applications found on shore, albeit in a limited space. Danfoss Industrial Automation is a global leader in supplying pressure transmitters to equipment placed in and around the engine room: 2 and 4 stroke diesel and gas engines, propulsion systems, fuel treatment, oil separators among others.

AIR COMPRESSORS

Spanning from very small units for medical use to very large industrial compressors operating in the kilowatt power band, the air compressor industry covers a huge range of equipment. Equally varied are the fundamental compressor technologies used.

PUMPS

The global need for clean water is enormous and on the rise, calling for a dedicated common effort to control the water cycle. Danfoss is well prepared to contribute to such endeavors. To us, the pump is the key to controlling the water cycle – from intake to effluent. Consequently, we have developed a range of sensors and switches for pumps, tailored for the most common applications in the water industry.

Examples



Onboard complex, new ships, the MBT temperature sensor control that vital parts of the propulsion system all run perfectly, within the parameters of safe operation.



On wind turbines, helping to increase the amount of wind-produced power worldwide, the MBT temperature sensor gives reliable readings of hydraulic oil temperatures.



Temperature Sensors

in this catalogue



	MBT 3252	MBT 5250	MBT 153	MBT 3270	MBT 5252	MBT 3560	
Segments	Transportation						
	Heating and sanitation						
	Machine and equipment						
	Energy						
Characteristics	Pt 100/Pt 1000	✓	✓	✓	✓	✓	
	NTC/PTC	✓	✓	✓	✓	✓	
	Transmitter						mAV DC
	Transmitter as option	mA				mA	
	Measuring insert	Changeable	Changeable	Fixed	Fixed	Changeable	Fixed
	Medium temperature	-50 – 200 °C (-58 – 392 °F)	-50 – 200 °C (-58 – 392 °F)	-50 – 200 °C (-58 – 392 °F)	-50 – 300 °C (-58 – 572 °F)	-50 – 400 °C (-58 – 752 °F)	-50 – 200 °C (-58 – 392 °F)
	Enclosure	IP65 (NEMA 4)	IP65 (NEMA 4)	IP67 (NEMA 6)	IP65 (NEMA 4)	IP65 (NEMA 4)	IP65/IP67 (NEMA 4/ NEMA 6)
	Material protection tube	W.no. 1.4571 (AISI 316Ti)	W.no. 1.4571 (AISI 316Ti)	W.no. 1.4571 (AISI 316Ti)	W.no. 1.4571 (AISI 316Ti)	W.no. 1.4571 (AISI 316Ti)	W.no. 1.4571 (AISI 316Ti)
	Reaction time t0.5 in water (sec)	14 s	9 s	1 s	1.5 s	12 s	10 s
	Marine approvals		✓			✓	

Marine, mobile hydraulics and Excavator

Electric power and wind turbines

Boiler and boiler room equipment, sterilisers and autoclaves

Industrial hydraulics, air compressors, water pumps and industrial engines



Temperature sensors that can take the heat

An outstanding temperature sensor performance is characterised by:

- The element
- The ability to react fast and precise
- The packaging

1 Elements

- RTD (Pt100/Pt1000) – for standardised signals and high accuracy the RTD's are a perfect choice
- Changeable measuring insert

2 The ability to react fast and precise

Special care has been put in to the design of the sensor in relation to the reaction time. A specially developed sensor element fixture ensures contact between the element and the housing material in order to secure a fast heat transfer from the media to the sensor element. On top of this the sensor construction ensures minimum radiation of heat, which results in a measurement very close to the actual temperature of the media.

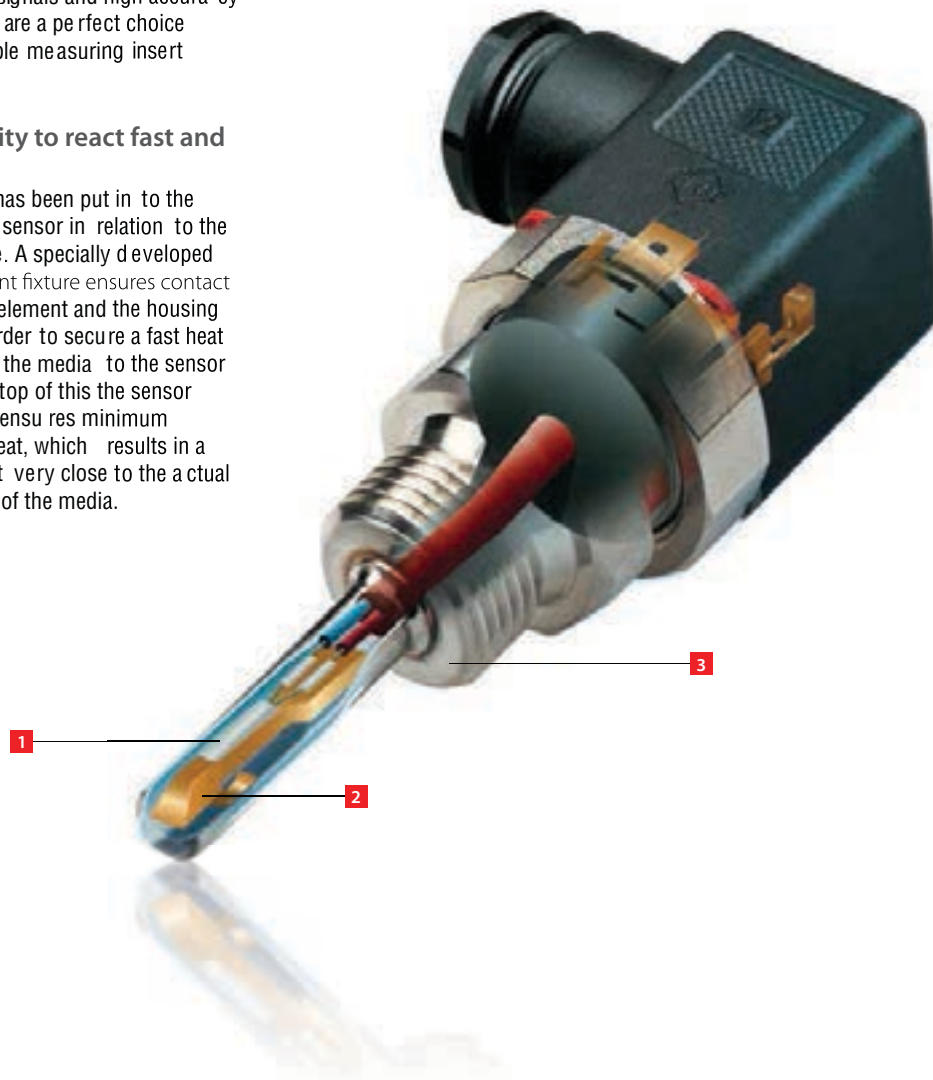
3 Packaging

The sensor design offers long-life stability through:

- High shock and vibration stability
- High enclosure grade IP65

Sensor material:

- Stainless steel (AISI 316)
- Gold plated contacts to secure flawless signal





MBT TEMPERATURE SENSORS

MBT 5250 TEMPERATURE SENSORS



Model	Code	Description	Poz Nr.
MBT 5250	084Z8011	<ul style="list-style-type: none"> L:50 mm With Pg9 Connector 	4090328
MBT 5250	084Z8011	<ul style="list-style-type: none"> L:100 mm With Pg9 Connector 	4090329
MBT 5250	084Z8022	<ul style="list-style-type: none"> L:200 mm With Pg9 Connector 	4090330

Description: Measuring Range:-50-200 °C, Sensor Element: 1xPt 100, Connection Size: G^{1/2}"A

MBT 5252 TRANSMITTER INTEGRATED TEMPERATURE SENSORS



Model	Code	Description	Poz Nr.
MBT 5252	084Z8214	<ul style="list-style-type: none"> L:50 mm Output Signal:4-20 mA Transmitter Setting Range:0-100 °C 	4090331
MBT 5252	084Z8215	<ul style="list-style-type: none"> L:100 mm Output Signal:4-20 mA Transmitter Setting Range: 0-100 °C 	4090332
MBT 5252	084Z8216	<ul style="list-style-type: none"> L:150 mm Output Signal:4-20 mA Transmitter Setting Range: 0-100 °C 	4090333
MBT 5252	084Z6143	<ul style="list-style-type: none"> L:250 mm Output Signal:4-20 mA Transmitter Setting Range:0-100 °C 	4090334

Description: Measuring Range:-50-200°C, Sensor Element: Pt 100, Connection Size: G^{1/2}"A, B-Head

MBT 3560 TRANSMITTER INTEGRATED TEMPERATURE SENSORS



Model	Code	Description	Poz Nr.
MBT 3560	084Z4030	<ul style="list-style-type: none"> L:50 mm Output Signal:4-20 mA Transmitter Setting Range: 0-100 °C 	4090335
MBT 3560	084Z4031	<ul style="list-style-type: none"> L:100 mm Output Signal:4-20 mA Transmitter Setting Range: 0-100 °C 	4090336

Description: Measuring Range:-50-200 °C, Sensor Element: Pt 1000, Connection Size: G^{1/4}"A, With Pg9 Connector



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