DATA SHEET

T 3962 EN

Type 3962 Solenoid Valve

CE Ex certified

Application

Solenoid valve to control of pneumatic linear or rotary actuators

The Type 3962 Solenoid Valve provides a high level of operating safety for controlling pneumatic actuators in hazardous areas.

Different types of protection, switching functions, flow rates, and connection types allow the solenoid valve to be optimally adapted for the specific task.

Special features

- Ambient temperature –45 to +80 °C, depending on type of protection, and temperature class
- Wall or pipe mounting
- Attachment to rotary actuators with NAMUR interface according to VDI/VDE 3845
- Attachment to linear actuators with NAMUR rib according to IEC 60534-6-1

Pilot valve

- Solenoid and poppet valve with return spring
- Version without explosion protection, IP 65
- Type of protection: increased safety Ex em, IP 65
- Type of protection: flameproof enclosure Ex d, IP 66
- Supply air 1.4 to 10.0 bar
- Electrical connection using M20 x 1.5 cable gland to terminals or with connector

Booster valve

- Poppet valve with diaphragm actuator and return spring
- Spool actuated either on one side or both sides
- 3/2-, 5/2-, 5/3 or 6/2-way function
- Exhaust air feedback (optional)
- K_{VS} 1.4, 2.0, 2.9 or 4.3
- Max. operating pressure 10.0 bar
- G ¼ or G ½ (¼ NPT or ½ NPT) threaded connections
- NAMUR interface ¼" or ½"

Version without explosion protection

Type 3962-0 Solenoid Valve

Ex em

Type 3962-4 Solenoid Valve

Ex d

Type 3962-9 Solenoid Valve

Fig. 1: *Overview of solenoid valves*

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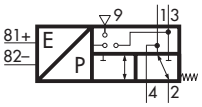
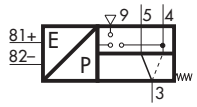
Versions

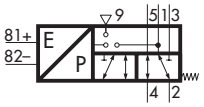
Solenoid valves with threaded connections for wall or pipe mounting



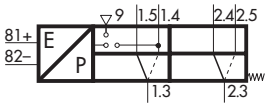
- 3/2-way function with spring-return mechanism
- Exhaust air feedback
- K_{VS} 1.4
- G ¼/¼ NPT connection



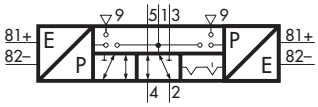
- 3/2-way function with spring-return mechanism
- K_{VS} 4.3
- G ½/½ NPT connection



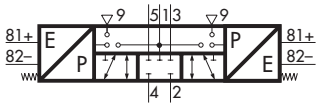
- 5/2-way function with spring-return mechanism
- K_{VS} 1.4
- G ¼/¼ NPT connection



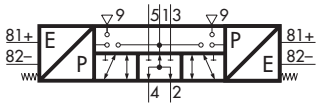
- 5/2-way function with spring-return mechanism
- K_{VS} 4.3
- G ½/½ NPT connection



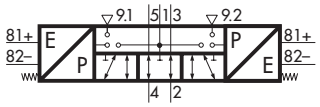
- 5/2-way function with two detent positions
- K_{VS} 1.4
- G ¼/¼ NPT connection



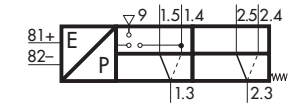
- 5/3-way function with spring-centered mid-position (ports 2 and 4 closed)
- K_{VS} 1.4
- G ¼/¼ NPT connection



- 5/3-way function with spring-centered mid-position (ports 2 and 4 supplied with air)
- K_{VS} 1.4
- G ¼/¼ NPT connection

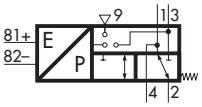


- 5/3-way function with spring-centered mid-position (ports 2 and 4 vented)
- K_{VS} 1.4
- G ¼/¼ NPT connection

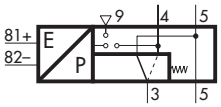


- 6/2-way function with spring-return mechanism
- K_{VS} 4.3
- G ½/½ NPT connection

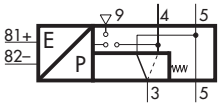
Solenoid valves with NAMUR interface for rotary actuators



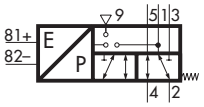
- 3/2-way function with spring-return mechanism
- Exhaust air feedback
- K_{VS} 1.4
- G ¼/¼ NPT connection/ NAMUR ¼"



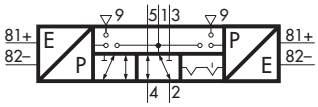
- 3/2-way function with spring-return mechanism
- Exhaust air feedback
- K_{VS} 2.0
- G ¼/¼ NPT connection/ NAMUR ¼"



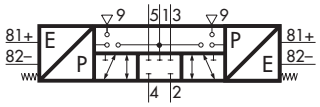
- 3/2-way function with spring-return mechanism
- Exhaust air feedback
- K_{VS} 4.3
- G ½/½ NPT connection/ NAMUR ½"



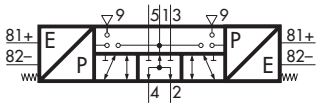
- 5/2-way function with spring-return mechanism
- K_{VS} 1.4
- G ¼/¼ NPT connection/ NAMUR ¼"



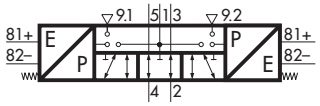
- 5/2-way function with two detent positions
- K_{VS} 1.4
- G ¼/¼ NPT connection/ NAMUR ¼"



- 5/3-way function with spring-centered mid-position (ports 2 and 4 closed)
- K_{VS} 1.4
- G ¼/¼ NPT connection/ NAMUR ¼"



- 5/3-way function with spring-centered mid-position (ports 2 and 4 supplied with air)
- K_{VS} 1.4
- G ¼/¼ NPT connection/ NAMUR ¼"



- 5/3-way function with spring-centered mid-position (ports 2 and 4 vented)
- K_{VS} 1.4
- G ¼/¼ NPT connection/ NAMUR ¼"

Technical data

General data for pilot valve				
Type		**3962-0**	**3962-4**	**3962-9**
Design		Solenoid and poppet valve with return spring		
Degree of protection		IP 65 (with mounted cable socket)	IP 65	IP 66
Material	Casting compound	Polyamide	Polyurethane	–
	Enclosure	Black polyamide	Polyamide and powder-coated aluminum, gray beige	Stainless steel, epoxy powder coated, red (spool housing) aluminum, hard anodized, black (CNOMO connection block)
	Internal parts	Stainless steel and brass	Stainless steel and nickel-plated brass	Stainless steel and brass
	Screws	Zinc-coated steel	Stainless steel	
	Seals	FKM	Nitrile butadiene rubber	FKM
Mounting position		Any desired position		
Approx. weight		0.17 kg	0.55 or 0.65 kg	0.85 kg

Electrical data for pilot valve without explosion protection					
Type		**3962-030**	**3962-050**	**3962-060**	**3962-080**
Nominal signal	U_N	24 V DC (±10 %)	230 V AC (±10 %), 50 to 60 Hz, 110 V DC (±10 %)	115 V AC (±10 %), 50 to 60 Hz	24 V AC (±10 %), 50 to 60 Hz
Power consumption	Inrush	2.7 W	4.9 VA, 3.9 W	4.8 VA	5.2 VA
	Holding	2.7 W	3.7 VA, 3.9 W	3.6 VA	3.9 VA
Duty cycle		100 %			
Ambient temperature [1]		–20 to +80 °C			
Connection		Connector according to EN 175301-803, type A			

Electrical data for pilot valve with type of protection increased safety and encapsulation Ex em				
Type		**3962-42**	**3962-44**	**3962-47**
Nominal signal	U_N	24 V AC/DC (–15 to +10 %), 40 to 65 Hz	115 V AC/DC (–15 to +10 %), 40 to 65 Hz	230 V AC/DC (–15 to +10 %), 40 to 65 Hz
Power consumption		1.8 W		
Duty cycle		100 %		
Ambient temperature in temperature class [1]	T6	–20 to +50 °C		
	T5	–20 to +60 °C		
Connection		Cable gland M20 x 1.5		

Electrical data for pilot valve with type of protection flameproof enclosure Ex d					
Type		**3962-930**	**3962-940**	**3962-960 / -970**	**3962-980**
Nominal signal [2]	U_N	24 V DC (± 10 %)	230 V AC/DC (± 10 %) 50 to 60 Hz	115 V AC/DC (± 10 %) 50 to 60 Hz	24 V AC (± 10 %) 50 to 60 Hz
Power consumption	Inrush	3 W	3 W	9.5 VA, 3 W	9.5 VA
	Holding	3 W	3 W	5 VA, 3 W	5 VA
Duty cycle		100 %			
Ambient temperature in temperature class [1] (max. cable temperature)	T6	–60 to +40 °C	–	–	–
	T5	–60 to +55 °C	–60 to +55 °C	–60 to +55 °C (Type 3962-970 only)	–
	T4	–60 to +65 °C (85 °C) 160 to +80 °C (105 °C)	–	–60 to +40 °C (90 °C) (Type 3962-960 only)	–60 to +40 °C (90 °C)
	T3	–	–	–60 to +55 °C (105 °C) (Type 3962-960 only)	–60 to +55 °C (105 °C)
Connection		Female thread M20 × 1.5			

Pneumatic data for pilot valve				
Type		**3962-0**	**3962-4**	**3962-9**
Supply air	Medium	Instrument air or nitrogen		
	Pressure	1.4 to 10 bar	1.4 to 8 bar	1.4 to 10 bar
Output signal		Same pressure as supply pressure		
Air consumption		No air consumption		
K_{VS} [3]		0.06	0.05	0.05
Switching time		10 ms	30 ms	30 ms
Control pressure connection		CNOMO interface		

[1] The maximum permissible ambient temperature of the solenoid valve depends on the permissible ambient temperature of the components, type of protection, and temperature class.

[2] Other nominal signals on request

[3] The air flow rate when p_1 = 2.4 bar and p_2 = 1.0 bar is calculated using the following formula: $Q = K_{VS} \times 36.22$ in m³/h.

(continued on page 4)

Technical data

(continued from page 3)

Booster valve, actuated on one side, K_{VS} 4.3, with threaded connections				
Switching function		3/2-way function	5/2-way function	6/2-way function
K_{VS} [1] (direction of flow)		1.9 (4 → 3), 1.5 (3 → 4), 4.3 (3 → 5), 4.7 (5 → 3)		
Design		Poppet valve with diaphragm actuator, soft seated, with return spring		
Material	Enclosure	Aluminum, powder coated, gray beige RAL 1019, or stainless steel 1.4404		
	Diaphragms	Chloroprene rubber (–20 to +80 °C) or silicone rubber (–45 to +80 °C)		
	Seals	Chloroprene rubber (–20 to +80 °C) or silicone rubber (–45 to +80 °C)		
	Springs	Stainless steel 1.4310		
	Screws	Stainless steel 1.4571		
Control		Actuated on one side by a pilot valve		
Operating medium		Instrument air (free from corrosive substances) or nitrogen [2], Instrument air (free from corrosive substances), air containing oil or non-corrosive gases [3]		
Compressed air quality according to ISO 8573-1		Particle size and density: Class 4 · Oil content: Class 3 · Pressure dew point: Class 3 or at least 10 K below the lowest ambient temperature to be expected		
Max. operating pressure [4]		10.0 bar		
Output signal		Operating pressure		
Pneumatic connection		G ½ or ½ NPT		
Ambient temperature [5]		–20 to +80 °C, –45 to +80 °C		
Approx. weight		0.585 kg	1.1 kg	

Booster valve, actuated on one side, K_{VS} 2.0 or 4.3, with NAMUR interface				
Switching function		3/2-way function with exhaust air feedback		
K_{VS} [1] (direction of flow)		1.1 (4 → 3), 2.0 (3 → 5)	1.9 (4 → 3), 4.3 (3 → 5)	
Design		Poppet valve with diaphragm actuator, soft seated, with return spring		
Material	Enclosure	Aluminum, powder coated, gray beige RAL 1019, or stainless steel 1.4404		
	Diaphragms	Chloroprene rubber (–20 to +80 °C) or silicone rubber (–45 to +80 °C)		
	Seals	Chloroprene rubber (–20 to +80 °C) or silicone rubber (–45 to +80 °C)		
	Springs	Stainless steel 1.4310		
	Screws	Stainless steel 1.4571		
Control		Actuated on one side by a pilot valve		
Operating medium		Instrument air (free from corrosive substances) or nitrogen [2], Instrument air (free from corrosive substances), air containing oil or non-corrosive gases [3]		
Compressed air quality according to ISO 8573-1		Particle size and density: Class 4 · Oil content: Class 3 · Pressure dew point: Class 3 or at least 10 K below the lowest ambient temperature to be expected		
Max. operating pressure		10.0 bar		
Output signal		Operating pressure		
Pneumatic connection	Supply air	G ¼ or ¼ NPT and NAMUR interface ¼" [6] with G ⅜ / ⅜ NPT	G ½ or ½ NPT and NAMUR interface ½" [6]	
	Exhaust air	G ½ or ½ NPT and NAMUR interface ¼" [6] with G ⅜ / ⅜ NPT	G ½ or ½ NPT and NAMUR interface ½" [6]	
Ambient temperature [5]		–20 to +80 °C, –45 to +80 °C		
Approx. weight		1.38 kg	1.5 kg	

[1] The air flow rate when p_1 = 2.4 bar and p_2 = 1.0 bar is calculated using the following formula: $Q = K_{VS} \times 36.22$ in m³/h.
[2] With internal air supply
[3] With external air supply
[4] To control the booster valve in the reversed direction of flow, the supply pressure must be higher than the operating pressure.
[5] The maximum permissible ambient temperature of the solenoid valve depends on the permissible ambient temperature of the components, type of protection, and temperature class.
[6] NAMUR interface according to VDI/VDE 3845

(continued on page 5)

Technical data

(continued from page 4)

Booster valve, actuated on one side, K_{VS} 1.4 or 2.9 [1], with threaded connections or NAMUR interface			
Switching function		3/2-way function with exhaust air feedback	5/2-way function
K_{VS} [2]		1.4 or 2.9 [1]	
Design		Spool, metal-to-metal seat, zero overlap, with return spring	
Material	Enclosure	Aluminum, powder coated, gray beige RAL 1019, or stainless steel 1.4404	
	Seals	Silicone rubber	
	Filter	Polyethylene	
	Screws	Stainless steel 1.4571	
Control		Actuated on one side by a pilot valve	
Operating medium		Instrument air (free from corrosive substances) or nitrogen [3], Instrument air (free from corrosive substances), air containing oil or non-corrosive gases [4]	
Compressed air quality according to ISO 8573-1		Particle size and density: Class 4 · Oil content: Class 3 · Pressure dew point: Class 3 or at least 10 K below the lowest ambient temperature to be expected	
Max. operating pressure		10.0 bar	
Output signal		Operating pressure	
Pneumatic connection		G ¼ or ¼ NPT and NAMUR interface ¼" [5] (K_{VS} 1.4) G ½ or ½ NPT and NAMUR interface ½" [5] (K_{VS} 2.9)	
Ambient temperature [6]		–45 to +80 °C	
Approx. weight		0.485 kg (K_{VS} 1.4) 1.760 kg (K_{VS} 2.9)	

Booster valve, actuated on both sides, K_{VS} 1.4, with threaded connections or NAMUR interface					
Switching function		5/2-way function with two detent positions	5/3-way function with spring-centered mid-position (ports 2 and 4 closed)	5/3-way function with spring-centered mid-position (ports 2 and 4 vented)	5/3-way function with spring-centered mid-position (ports 2 and 4 supplied with air)
K_{VS} [2]		1.4			
Design		Spool, metal-to-metal seat, zero overlap			
Material	Enclosure	Aluminum, powder coated, gray beige RAL 1019, or stainless steel 1.4404			
	Seals	Silicone rubber			
	Filter	Polyethylene			
	Screws	Stainless steel 1.4571			
Control		Actuated on both sides by two pilot valves			
Operating medium		Instrument air (free from corrosive substances) or nitrogen [3], Instrument air (free from corrosive substances), air containing oil or non-corrosive gases [4]			
Compressed air quality according to ISO 8573-1		Particle size and density: Class 4 · Oil content: Class 3 · Pressure dew point: Class 3 or at least 10 K below the lowest ambient temperature to be expected			
Max. operating pressure		10.0 bar			
Output signal		Operating pressure			
Pneumatic connection		G ¼ or ¼ NPT and NAMUR interface ¼" [5]			
Ambient temperature [6]		–45 to +80 °C			
Approx. weight		0.685 kg			

1) On request
2) The air flow rate when p_1 = 2.4 bar and p_2 = 1.0 bar is calculated using the following formula: $Q = K_{VS} \times 36.22$ in m³/h.
3) With internal air supply
4) With external air supply
5) NAMUR interface according to VDI/VDE 3845
6) The maximum permissible ambient temperature of the solenoid valve depends on the permissible ambient temperature of the components, type of protection, and temperature class.

Ordering data

Solenoid valve		Type 3962-	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Type of protection	Without explosion protection		**0**																			
	Ex em		**4**																			
	Ex d		**9**																			
Nominal signal	24 V AC/DC	(-4)		**2**	**0**																	
	24 V DC	(-0 and -9)		**3**	**0**																	
	230 V AC/DC	(-4 and -9)		**4**	**0**																	
	230 V AC/110 V DC	(-0)		**5**	**0**																	
	115 V AC	(-0 and -9)		**6**	**0**																	
	115 V AC/DC	(-4 and -9)		**7**	**0**																	
	48 V AC	(-9)		**9**	**1**																	
	48 V DC	(-9)		**9**	**2**																	
Explosion protection certificates	Without	(-0)				**0**	**0**	**0**														
	II 2 GD Ex d IIC Ex tD A21 IP66 T* (ATEX)	(-9)				**2**	**1**	**0**														
	Ex d IIC T*/DIP A21 T* (IECEx)	(-9)				**2**	**1**	**1**														
	Ex d IIC T3-T6 Gb/DIP A21 (NEPSI)	(-9)				**2**	**1**	**2**														
	1 Ex d IIC T6/T5/T4/T3 Gb (EAC)	(-9)				**2**	**1**	**3**														
	II 2 G Ex emb II T5 II 2D Ex tD A21 IP65 T95°C (ATEX)	(-4)				**3**	**1**	**0**														
Manual override	Without								**0**													
	External pushbutton	(-0 and -9)							**2**													
	External switch	(-0)							**3**													
	External toggle switch	(-9)							**4**													
Switching function	3/2-way function with spring-return mechanism									**0**												
	5/2-way function with spring-return mechanism [1]									**1**												
	5/2-way function with two detent positions									**2**												
	5/3-way function with spring-centered mid-position (ports 2 and 4 closed)									**3**												
	5/3-way function with spring-centered mid-position (ports 2 and 4 supplied with air)									**4**												
	5/3-way function with spring-centered mid-position (ports 2 and 4 vented)									**5**												
	6/2-way function with spring-return mechanism									**6**												
Attachment	NAMUR interface according to VDI/VDE 3845										**0**											
	Threaded connection for wall or pipe mounting										**1**											
	CNOMO interface, 30 mm (pilot valve as spare part)										**2**											
K_{VS} [2]	1.4 [3]											**3**										
	4.3											**4**										
	0.05 (pilot valve as spare part)											**5**										
	2.9 [4]											**6**										
	2.0											**7**										
Material	Aluminum												**0**									
	Stainless steel												**1**									
Pneumatic connection	G ¼													**0**								
	¼ NPT													**1**								
	G ½													**2**								
	½ NPT													**3**								
	Without threaded connections (pilot valve as spare part)													**4**								

[1] Not with NAMUR interface, K_{VS} 4.3
[2] The air flow rate when p_1 = 2.4 bar and p_2 = 1.0 bar is calculated using the following formula: $Q = K_{VS} \times 36.22$ in m³/h.
[3] A distance plate is required with NAMUR interface/type of protection Ex d (see Spare parts and accessories on page 8).
[4] On request

(continued on page 7)

Ordering data

(continued from page 6)

Solenoid valve	Type 3962-	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Supply air	Internal air supply for actuators for on/off service													**0**							
	External air supply for actuators for throttling service													**1**							
Electrical connection	Cable entry M20 x 1.5 (female)													(-9)	**0**	**0**					
	Cable gland M20 x 1.5 made of black polyamide													(-4)	**0**	**1**					
	Adapter M20 x 1.5 (male) to ½ NPT (female)													(-9)	**1**	**2**					
	Connector according to EN 175301-803, type A, black polyamide [1]													(-0)	**2**	**3**					
Degree of protection	IP 65														(-0 and -4)		**1**				
	IP 66														(-9)		**2**				
Ambient temperature [2]	–20 to +80 °C															(-0)		**0**			
	–20 to +60 °C															(-4)		**1**			
	–20 to +40 °C (max. +80 °C in T4)															(-9)		**2**			
	–45 to +40 °C (max. +80 °C in T4)															(-9)		**3**			
Safety approval	Without																		**0**		
	SIL															(-4 and -9)			**1**		
Special version	Without																			**0**	**0**	**0**

[1] The cable socket is not included in the scope of delivery (see Spare parts and accessories on page 8). The degree of protection is only guaranteed when the cable socket and gasket underneath it are mounted.

[2] The maximum permissible ambient temperature of the solenoid valve depends on the permissible ambient temperature of the components, type of protection, and temperature class.

Summary of explosion protection approvals

Type	Certification			Type of protection/comments
3962-4	**SIL**	Number Date	V 153 2013 C 3 2013-11-08	Certification for safety-instrumented systems according to IEC 61508
	EC type examination certificate	Number Date	PTB 02 ATEX 2125 X 2012-07-31	II 2 G Ex emb II T5 II 2D Ex tD A21 IP65 T95°C
3962-9	**SIL**	Number Date	PNE 091045 C001 2013-07-31	Certification for safety-instrumented systems according to IEC 61508
	EC type examination certificate	Number Date	Baseefa06ATEX0123 2006-09-29	II 2 GD Ex d IIC Ex tD A21 IP66 T*°C
	IECEx	Number Date	IECEx BAS 04.0028 2013-07-02	Ex d IIC T*/DIP A21 T*
	NEPSI	Number Date	GYJ13.1417X 2014-02-11	Ex d II C T3-T6 Gb/DIP A21
	EAC Ex	Number Date	RU C DE 08.B.00764 2015-02-10	1 Ex d IIC T6/T5/T4/T3 Gb

Spare parts and accessories

Spare parts	
Order no.	**Designation**
8502-1091	Formed seal (for supply air in booster valves with K_{VS} 1.4)
8421-0044	O-ring 2.9 x 1.78 made of nitrile butadiene rubber (for CNOMO interface)
8421-9002	O-ring 13 x 3.5, –45 to +80 °C (for booster valves with NAMUR interface ¼", K_{VS} 1.4)
8421-0364	O-ring 16 x 2, –20 to +80 °C (for booster valves with NAMUR interface ¼", K_{VS} 2.0)
8421-0368	O-ring 16 x 2, –45 to +80 °C (for booster valves with NAMUR interface ¼", K_{VS} 2.0)
8421-1077	O-ring 24 x 2, –20 to +80 °C (for booster valves with NAMUR interface ½", K_{VS} 4.3)
8421-0425	O-ring 24 x 2, –45 to +80 °C (for booster valves with NAMUR interface ½", K_{VS} 4.3)
8421-0419	O-ring 28 x 2, –45 to +80 °C (for booster valves with NAMUR interface ½", K_{VS} 2.9)
8333-1303	Screw M5 x 60 A4 (for booster valves with NAMUR interface, K_{VS} 2.0)
8392-0651	Spring washer A5-A4 (for booster valves with NAMUR interface, K_{VS} 2.0 and 2.9)
8333-0538	Screw M6 x 60 A4 (for booster valves with NAMUR interface, K_{VS} 4.3)
8392-0658	Spring washer B-A4 (for booster valves with NAMUR interface, K_{VS} 4.3)
8333-1272	Screw M5 x 30 A4 (for booster valves with NAMUR interface, K_{VS} 2.9)

Accessories	
Order no.	**Designation**
0790-6658	Cable socket according to EN 175301-803, type A, made of black polyamide, degree of protection IP 65, with Pg 9 cable gland (for 4 to 8 mm cable diameter) and gasket of nitrile butadiene rubber
8808-0200	M20 x 1.5 Ex d cable gland, made of brass (for 6.5 to 14 mm cable diameter)
	Distance plate with NAMUR interface ¼" on rotary actuators ¼", including fastening screws and gaskets
1400-9741	Aluminum, powder coated, gray beige RAL 1019
1402-0234	Stainless steel 1.4404
1400-6751	Adapter plate with NAMUR interface ¼" on NAMUR rib (G ¼)
1400-9924	Adapter plate with NAMUR interface ¼" on NAMUR rib (¼ NPT)
1400-5905	Support for NAMUR rib including fastening screw (required when a positioner or limit switch is additionally mounted to the linear actuator, DN 15 to 80)
8504-0066	Filter made of polyethylene, G ¼ connection, degree of protection IP 54
8504-0068	Filter made of polyethylene, G ½ connection, degree of protection IP 54

(continued on page 9)

Spare parts and accessories

(continued from page 8)

Mounting kits for solenoid valves with threaded connections	
Order no.	**Designation**
1400-6759	Mounting kit for linear actuators (80/240 cm² actuator area, G ¼ connection) with pipe fitting, G ¼/G ¼ connection, made of CrNiMo steel
	Mounting kit for linear actuators (350/700 cm² actuator area, G ⅜ connection)
1400-6735	with pipe fitting, G ½/G ⅜ connection, made of CrNiMo steel
1400-6761	with pipe fitting, G ¼/G ⅜ connection, made of CrNiMo steel
1400-6736	Mounting kit for linear actuators (1400 cm² actuator area, G ¾ connection) with pipe fitting, G ½/G ¾ connection, made of CrNiMo steel
1400-6737	Mounting kit for linear actuators (2800 cm² actuator area, G 1 connection) with pipe fitting, G ½/G 1 connection, made of CrNiMo steel
	Mounting kit for linear actuators (80/240 cm² actuator area, G ¼ connection) with mounting bracket made of CrNiMo steel
1400-6749	and screw fittings for 8 × 1 pipe, G ¼/G ¼ connection, made of zinc-coated steel
1400-6750	and screw fittings for 8 × 1 pipe, G ¼/G ¼ connection, made of CrNiMo steel
	Mounting kit for linear actuators (350/700 cm² actuator area, G ⅜ connection) with mounting bracket made of CrNiMo steel
1400-6738	and screw fittings for 8 × 1 pipe, G ¼/G ⅜ connection, made of zinc-coated steel
1400-6739	and screw fittings for 8 × 1 pipe, G ¼/G ⅜ connection, made of CrNiMo steel
1400-6743	and screw fittings for 12 × 1 pipe, G ¼/G ⅜ connection, made of CrNiMo steel
1400-6744	and screw fittings for 10 × 1 pipe, G ½/G ⅜ connection, made of polyamide
1400-6745	and screw fittings for 10 × 1 pipe, G ¼/G ⅜ connection, made of polyamide
	Mounting kit for linear actuators (700 cm² actuator area, G ⅜ connection) with mounting bracket made of CrNiMo steel
1400-6740	and screw fittings for 12 × 1 pipe, G ½/G ⅜ connection, made of zinc-coated steel
1400-6741	and screw fittings for 12 × 1 pipe, G ¼/G ⅜ connection, made of zinc-coated steel
1400-6742	and screw fittings for 12 × 1 pipe, G ½/G ⅜ connection, made of CrNiMo steel

Mounting kits for solenoid valves with NAMUR interface	
Order no.	**Designation**
	Mounting kit for linear actuators (350/700 cm² actuator area, G ⅜ connection) with NAMUR rib using adapter plate for NAMUR rib/interface (order no. 1400-6751)
1400-6746	with screw fittings for 12 × 1 pipe, G ¼/G ⅜ connection, made of zinc-coated steel
1400-6747	with screw fittings for 12 × 1 pipe, G ¼/G ⅜ connection, made of CrNiMo steel
1400-6748	with screw fittings for 10 × 1 pipe, G ¼/G ⅜ connection, made of polyamide
	Mounting kit for linear actuators (80/240 cm² actuator area, G ¼ connection) with NAMUR rib using adapter plate for NAMUR rib/interface (order no. 1400-6751)
1400-6752	with screw fittings for 6 × 1 pipe, G ¼/G ¼ connection, made of zinc-coated steel
1400-6753	with screw fittings for 6 × 1 pipe, G ¼/G ¼ connection, made of CrNiMo steel
1400-6756	with screw fittings for 10 × 1 hose, G ¼/G ¼ connection, made of polyamide
	Mounting kit for linear actuators (350/700 cm² actuator area, G ⅜ connection) with NAMUR rib using adapter plate for NAMUR rib/interface (order no. 1400-6751)
1400-6754	with screw fittings for 8 × 1 pipe, G ¼/G ⅜ connection, made of zinc-coated steel
1400-6755	with screw fittings for 8 × 1 pipe, G ¼/G ⅜ connection, made of CrNiMo steel
1400-6757	with screw fittings for 10 × 1 pipe, G ¼/G ⅜ connection, made of polyamide
1400-6759	Mounting kit for linear actuators (80/240 cm² actuator area, G ¼ connection) with pipe fitting, G ¼/G ¼ connection, made of CrNiMo steel
1400-3001	Mounting kit for Type 3353 Angle Seat Valve with adapter plate for NAMUR interface made of stainless steel 1.4301

Specifications subject to change without notice.

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