# DATA SHEET

## T 3962 EN

# Type 3962 Solenoid Valve





#### **Application**

Solenoid valve to control of pneumatic linear or rotary actuators

#### General

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.

The Type 3962 Solenoid Valve consists of a solenoid pilot valve and booster valve and has the following special features:

### General data

- 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

### Solenoid 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
- Pilot supply 1.4 to 10.0 bar
- Electrical connection using M20x1.5 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<sub>VS</sub> 1.4, 2.0, 2.9 or 4.3
- Max. operating pressure 10.0 bar
- Threaded connection G (NPT) ½ or ½
- NAMUR interface <sup>1</sup>/<sub>4</sub>" or <sup>1</sup>/<sub>2</sub>"

#### Version without explosion protection



Type 3962-0 Solenoid Valve

Ex em



Type 3962-4 Solenoid Valve

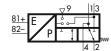
Ex d



Type 3962-9 Solenoid Valve

Fig. 1: Overview of solenoid valves

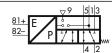
#### Solenoid valves with threaded connections for wall or pipe mounting



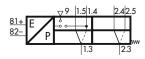
- 3/2-way function with spring-return mechanism
- Exhaust air feedback
- K<sub>VS</sub> 1.4
- G 1/4/1/4 NPT connection



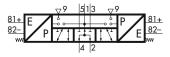
- 3/2-way function with spring-return mechanism
- K<sub>VS</sub> 4.3
- G ½/½ NPT connection



- 5/2-way function with spring-return mechanism
- K<sub>VS</sub> 1.4
- G 1/4/1/4 NPT connection



- 5/2-way function with spring-return mechanism
- K<sub>VS</sub> 4.3
- G ½/½ NPT connection



5/3-way function with spring-cen-

tered mid-position

 $K_{VS} 1.4$ 

(ports 2 and 4 closed)

G 1/4/1/4 NPT connection

82-

2.5 2.4

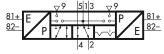
6/2-way function with spring-re-

turn mechanism

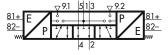
G 1/2/1/2 NPT connection

 $K_{VS} 4.3$ 

- 5/3-way function with spring-centered mid-position (ports 2 and 4 supplied with air)
- K<sub>VS</sub> 1.4
- G 1/4/1/4 NPT connection

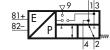


- 5/2-way function with two detent positions
- K<sub>VS</sub> 1.4
- G ½/¼ NPT connection

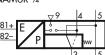


- 5/3-way function with spring-centered mid-position (ports 2 and 4 vented)
- K<sub>vs</sub> 1.4
- G ¼/¼ NPT connection

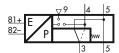
## Solenoid valves with NAMUR interface for rotary actuators



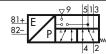
- 3/2-way function with spring-return mechanism
- Exhaust air feedback
- K<sub>vs</sub> 1.4
- G ¼/¼ NPT connection/ NAMUR ¼"



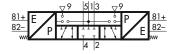
- 3/2-way function with spring-return mechanism
- Exhaust air feedback
- K<sub>VS</sub> 2.0
- G ¼/¼ NPT connection/ NAMUR ¼"



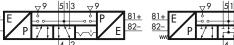
- 3/2-way function with spring-return mechanism
- Exhaust air feedback
- K<sub>VS</sub> 4.3
- G ½/½ NPT connection/ NAMUR ½"



- 5/2-way function with spring-return mechanism
- K<sub>vs</sub> 1.4
- G ¼/¼ NPT connection/ NAMUR ¼"



- 5/3-way function with spring-centered mid-position (ports 2 and 4 closed)
- K<sub>VS</sub> 1.4
- G ½/¼ NPT connection/ NAMUR ½"



- 5/2-way function with two detent positions
- K<sub>VS</sub> 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<sub>VS</sub> 1.4
- G ½/¼ NPT connection/ NAMUR ¼"



- 5/3-way function with spring-centered mid-position (ports 2 and 4 vented)
- K<sub>VS</sub> 1.4
- G ¼/¼ NPT connection/ NAMUR ¼"

#### Technical data

General date	a for pilot valve							
Туре		3962-0	3962-4	3962-9				
Design		Solenoid and poppet valve with return s	Solenoid and poppet valve with return spring					
Degree of pr	rotection	IP 65 (with mounted cable socket)	IP 65	IP 66				
Material	Casting com- pound	Polyamide Polyurethane		-				
Enclosure Black		Black polyamide	Polyamide and powder-coated aluminum, gray beige	Stainless steel, epoxy powder coated, red (spool housing) aluminum, hard anodized, black (CNO-MO connection block)				
	Internal parts	Stainless steel and brass	Stainless steel and nickel-plated brass	Stainless steel and brass				
	Screws	Zinc-plated steel	Stainless steel					
Seals FKA		FKM	Nitrile butadiene rubber	FKM				
Mounting position		Any desired position						
Approx. wei	ght	0.17 kg	0.55 or 0.65 kg	0.85 kg				

Electrical data for pi	Electrical data for pilot valve without explosion protection										
Туре		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									
Туре		3962-42 3962-44		3962-47					
Nominal signal	U <sub>N</sub>	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	T6	-20 to +50 °C							
temperature class 1)	T5	-20 to +60 °C							
Connection		M20x1.5 cable gland							

Electrical data for pilot valve with type of protection flameproof enclosure Ex d										
Туре		3962-930	3962-940	3962-960 / -970	3962-980					
Nominal signal <sup>2)</sup>	$U_N$	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 consump-	Inrush	3 W	3 W	9.5 VA, 3 W	9.5 VA					
tion	Holding	3 W	3 W	5 VA, 3 W	5 VA					
Duty cycle		100 %								
Ambient temperatur		-60 to +40 °C	-	-	-					
(max. cable temper		-60 to +55 °C	−60 to +55 °C	-60 to +55 °C (Type 3962- 970 only)	-					
ture)	T4	-60 to +65 °C (85 °C) -60 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	Pneumatic data for pilot valve									
Туре		3962-0	3962-4	3962-9						
Pilot supply 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 pilot supply										
Air consumption		No air consumption								
K <sub>VS</sub> 3)		0.06	0.05	0.05						
Switching time		10 ms	30 ms	30 ms						
Control pressure co	nnection	CNOMO interface								

<sup>1)</sup> The 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<sub>1</sub> = 2.4 bar and p<sub>2</sub> = 1.0 bar is calculated using the following formula: Q = K<sub>VS</sub> x 36.22 in m<sup>3</sup>/h.

#### Technical data

Booster val	ve, actuated on on	e side, K <sub>VS</sub> 4.3, with threaded connections							
Switching fu	nction	3/2-way function	5/2-way function	6/2-way function					
$K_{VS}^{-1}$ 1.9 (4 $\rightarrow$ 3), 1.5 (3 $\rightarrow$ 4), (direction of flow) 4.3 (3 $\rightarrow$ 5), 4.7 (5 $\rightarrow$ 3)									
Design		Poppet valve with diaphragm actuator, soft	seated, with return spring						
Material	Enclosure	Aluminum, powder coated, gray beige RA	L 1019 or stainless steel 1.4404						
	Diaphragms	Chloroprene rubber (-20 to +80 °C) or sili	cone rubber (-45 to +80 °C)						
	Seals	Chloroprene rubber (-20 to +80 °C) or sili	cone rubber (-45 to +80 °C)						
	Springs	Stainless steel 1.4310							
	Screws	Stainless steel 1.4571							
Actuation		Controlled on one side by a pilot valve							
Operating n	nedium	Instrument air (free from corrosive substances) or nitrogen <sup>2)</sup> , Instrument air (free from corrosive substances), air containing oil or non-corrosive gases <sup>3)</sup>							
Compressed cording to 15	l air quality ac- SO 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. opera	ting pressure 4)	10.0 bar	10.0 bar						
Output sign	al	Operating pressure							
Pneumatic c	onnection	G ½ or ½ NPT							
Ambient temperature 5)									
Approx. weight 0.585 kg 1.1 kg									

Booster valv	e, actuated on one	e side, K <sub>VS</sub> 2.0 or 4.3, with NAMUR interface					
Switching fu	nction	3/2-way function with exhaust air feedback					
Design		Poppet valve with diaphragm actuator, soft seated, with return spr	ing				
Material	Enclosure	Aluminum, powder coated, gray beige RAL 1019 or stainless stee	1.4404				
	Diaphragms	Chloroprene rubber (-20 to +80 °C) or silicone rubber (-45 to +8	30 °C)				
	Seals	Chloroprene rubber (-20 to +80 °C) or silicone rubber (-45 to +8	30 °C)				
	Springs	Stainless steel 1.4310					
Screws Stainless steel 1.4571							
Actuation		Controlled on one side by a pilot valve					
Operating m	nedium	Instrument air (free from corrosive substances) or nitrogen <sup>2)</sup> , Instrument air (free from corrosive substances), air containing oil or non-corrosive gases <sup>3)</sup>					
Compressed cording to IS	air quality ac- 6O 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. operat	ing pressure	10.0 bar					
Output signo	al	Operating pressure					
Pneumatic	Supply air	G ¼ or ¼ NPT and NAMUR interface ¼" 6) with G ¾ / ¾ NPT	G ½ or ½ NPT and NAMUR interface ½" 6)				
connection	Exhaust air	G $\frac{1}{2}$ or $\frac{1}{2}$ NPT and NAMUR interface $\frac{1}{4}$ " 6) with G $\frac{3}{8}$ / $\frac{3}{8}$ NPT	G ½ or ½ NPT and NAMUR interface ½" 6)				
Ambient tem	perature <sup>5)</sup>	−20 to +80 °C, −45 to +80 °C					
Approx. wei	ght	1.38 kg	1.5 kg				

- 1) The air flow rate when p<sub>1</sub> = 2.4 bar and p<sub>2</sub> = 1.0 bar is calculated using the following formula: Q = K<sub>VS</sub> x 36.22 in m<sup>3</sup>/h.

  With internal pilot supply

  With external pilot supply

  To control the booster valve in the reversed direction of flow, the supply pressure must be higher than the operating pressure.

  The permissible ambient temperature of the solenoid valve depends on the permissible ambient temperature of the components, type of protection and temperature

NAMUR interface according to VDI/VDE 3845

#### Technical data

Booster valve, actuated on one side, K <sub>VS</sub> 1.4 or 2.9 <sup>1)</sup> , with threaded connections or NAMUR interface							
Switching fu	ınction	3/2-way function with exhaust air feedback	5/2-way function				
K <sub>VS</sub> <sup>2)</sup>		1.4 or 2.9 <sup>1)</sup>					
Design		Spool, metal-to-metal seat, zero overlap, with return spring					
Material	Enclosure	Aluminum, powder coated, gray beige RAL 1019 or stainless stee	1.4404				
	Seals	Silicone rubber					
	Filter	Polyethylene					
Screws Stainless steel 1.4571							
Actuation Controlled on one side by a pilot valve							
Operating r	medium	Instrument air (free from corrosive substances) or nitrogen <sup>3)</sup> , Instrument air (free from corrosive substances), air containing oil o	or non-corrosive gases <sup>4)</sup>				
Compressed cording to 15	l air quality ac- SO 8573-1	Particle size and density: Class 4 · Oil content: Class 3 · Pressure of perature to be expected	lew point: Class 3 or at least 10 K below the lowest ambient tem-				
Max. opera	ting pressure	10.0 bar					
Output sign	al	Operating pressure					
Pneumatic connection		G ¼ or ¼ NPT and NAMUR interface ¼" 5) (K <sub>VS</sub> 1.4) G ½ or ½ NPT and NAMUR interface ½" 5) (K <sub>VS</sub> 2.9)					
Ambient ten	nperature <sup>6)</sup>	-45 to +80 °C					
Approx. we							

Booster valv	Booster valve, actuated on both sides, K <sub>VS</sub> 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)	oring-centered mid-position spring-centered mid-position						
K <sub>VS</sub> <sup>2)</sup>		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								
Actuation		Controlled on both sides by two	pilot valves							
Operating m	edium	Instrument air (free from corrosiv Instrument air (free from corrosiv	re substances) or nitrogen <sup>3)</sup> , re substances), air containing oil c	or non-corrosive gases <sup>4)</sup>						
Compressed cording to IS	air quality ac- O 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. operati	ing pressure	10.0 bar								
Output signa	ıl	Operating pressure								
Pneumatic connection G 1/4 or 1/4 NPT and NAMUR interface 1/4" 5)										
Ambient tem	perature <sup>6)</sup>	-45 to +80 °C								
Approx. weig	ght	0.685 kg	<u> </u>							

On request

The air flow rate when p<sub>1</sub> = 2.4 bar and p<sub>2</sub> = 1.0 bar is calculated using the following formula: Q = K<sub>VS</sub> x 36.22 in m³/h.

With internal pilot supply
With external pilot supply
NAMUR interface according to VDI/VDE 3845

The permissible ambient temperature of the solenoid valve depends on the permissible ambient temperature of the components, type of protection and temperature

# Article code

Solenoid valve	Туре 3962-	хх	х	x :	x >	х	х	х	хх	х	<b>x</b> 2	х х	х	х	хх	x	х
Explosion protection			Т	Τ		Т		Т	П	Т	Т	П		Т	ТП	Т	Т
No explosion protection		0															
Ex em		4															
Ex d		9															
Nominal signal																	$\dagger$
24 V AC/DC	Type 3962-4	2	0														
24 V DC	Types 3962-0/-9	3	0	ŀ													
230 V AC/DC	Types 3962-4/-9	4	0														
230 V AC/110 V DC	Type 3962-0	5	0														
115 V AC	Types 3962-0/-9	6	0														
115 V AC/DC	Types 3962-4/-9		0														
	Types 3702-4/-7							+									+
Type of protection	T 20/2.0			1													
No explosion protection	Type 3962-0			0													
ATEX II 2 GD; Ex db IIC T* Gb; Ex tb IIIC T* Db	Type 3962-9				1 (												
IECEx Ex d IIC T*/DIP A21 T*	Type 3962-9				1 1												
<b>NEPSI</b> Ex d IIC T3-T6 Gb/DIP A21	Type 3962-9			2 -													
<b>EAC</b> 1 Ex d IIC T6/T5/T4/T3 Gb	Type 3962-9			2 -	1 3	3 -											
STCC   II 2 G Ex d IIC Ta*   II 2 D Ex tD A21   IP66 T*	Туре 3962-9			2	1 6	5											
ATEX      2G Ex eb em    C T4/T5/T6 Gb;    2D Ex tb       T4/T5/T6	Туре 3962-4			3	1 (	)											
Manual override																	
Without						0											
External pushbutton	Types 3962-0/-9					2											
External switch	Туре 3962-0					3											
External toggle switch	Туре 3962-9					4											
Switching function																	T
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 (po	rts 2 and 4 closed)						3										
5/3-way function with spring-centered mid-position (po	rts 2 and 4 supplied with	air)					4										
5/3-way function with spring-centered mid-position (po	rts 2 and 4 vented)						5										
6/2-way function with spring-return mechanism							6										
Attachment																	Ť
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 <sub>vs</sub> <sup>1)</sup>																	$\dagger$
1.4 3)									3								
4.3									4								
0.05 (pilot valve as spare part)									5								
2.9 <sup>4)</sup>									6								
2.0									7								
Enclosure material																	
Aluminum									0								
Stainless steel									1								
Pneumatic connection																	
										0							
G 1/4										0							
1/4 NPT										1							
G ½										2							
½ NPT										3							
Without threaded connections (pilot valve as spare part)										4							

Solenoid valve	Туре 3962-	хх	х х	х	хх	х х	x z	х х	х	х	х	<b>x</b> :	<b>x</b> 2	c x	х	х
Pilot supply																
Internal pilot supply for actuators for on/off service									0							
External pilot supply for actuators for throttling service									1							
Electrical connection																
Cable entry M20x1.5 (female)					Type 39	62-9				0	0					
Cable gland M20x1.5, black polyamide					Type 39	62-4				0	1					
Adapter M20x1.5 (male) to $\frac{1}{2}$ NPT (female)					Type 39	62-9				1	2					
Connector according to EN 175301-803, type A, black polyamide	e <sup>5)</sup>				Type 39	62-0				2	3					
Degree of protection																
IP 65 (Typ -0 und -4)					Types 3	962-0	/-4					1				
IP 66 (Typ -9)					Туре 39	62-9						2				
Ambient temperature 6)																
−20 to +80 °C					Type 39	62-0						(	0			
-20 to +60 °C					Type 39	62-4							1			
-20 to +40 °C (max. +80 °C in T4)					Type 39	62-9							2			
-45 to $+40$ °C (max. $+80$ °C in T4)					Type 39	62-9							3			
Safety approval																
Without													(			
SIL																
Special version																
Without														0	0	0

## Summary of explosion protection approvals

Туре 3962	Certification			Type of protection
-4	ATEX	Number Date	BVS 15 ATEX E 029 X 2019-07-04	II 2G Ex eb em IIC T4/T5/T6 Gb   II 2D Ex tb   IIC T4/T5/T6
	ATEX	Number Date	CML15ATEX1119/X 2019-01-25	II 2 GD Ex db IIC T* Gb Ex tb IIIC T* Db
	EAC	Number Date Valid until	RU C-DE.HA65.B.00806/20 2020-11-10 2025-05-11	1Ex d IIC T6T4 Gb X 1Ex d IIC T5 Gb X 1Ex d IIC T4T3 Gb X
-9	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
	STCC	Number Date Valid until	ZETC/32/2018 2018-05-07 2021-05-06	II 2 G Ex d IIC Ta* II 2 D Ex tD A21 IP66 T*

Not with NAMUR interface,  $K_{VS}$  4.3

Not with NAMUR interface,  $K_{VS}$  4.3

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 m<sup>3</sup>/h.

A distance plate is required with NAMUR interface/type of protection Ex d (see "Spare parts and accessories" on page 8).

<sup>4)</sup> On request
5) The cable socket is not included in the scope of delivery. The degree of protection is only guaranteed when the cable socket and gasket underneath it are mounted.
6) The permissible ambient temperature of the solenoid valve depends on the permissible ambient temperature of the components, type of protection and temperature

# Spare parts and accessories

Spare parts	
Designation	Order no.
Molded seal (for supply air in booster valves with K <sub>VS</sub> 1.4)	8502-1091
O-ring 2.9x1.78 made of nitrile butadiene rubber (for CNOMO interface)	8421-0044
O-ring 13×3.5, -45 to +80 °C (for booster valves with NAMUR interface ½", K <sub>VS</sub> 1.4)	8421-9002
O-ring 16×2, -20 to +80 °C (for booster valves with NAMUR interface ½", K <sub>VS</sub> 2.0)	8421-0364
O-ring 16×2, -45 to +80 °C (for booster valves with NAMUR interface ½", K <sub>VS</sub> 2.0)	8421-0368
O-ring 24×2, -20 to +80 °C (for booster valves with NAMUR interface ½", K <sub>VS</sub> 4.3)	8421-1077
O-ring 24×2, -45 to +80 °C (for booster valves with NAMUR interface ½", K <sub>VS</sub> 4.3)	8421-0425
O-ring 28×2, -45 to +80 °C (for booster valves with NAMUR interface ½", K <sub>VS</sub> 2.9)	8421-0419
Screw M5x60 A4 (for booster valves with NAMUR interface, K <sub>VS</sub> 2.0)	8333-1303
Spring washer A5-A4 (for booster valves with NAMUR interface, K <sub>VS</sub> 2.0 and 2.9)	8392-0651
Screw M6x60 A4 (for booster valves with NAMUR interface, K <sub>VS</sub> 4.3)	8333-0538
Spring washer B-A4 (for booster valves with NAMUR interface, K <sub>VS</sub> 4.3)	8392-0658
Screw M5x30 A4 (for booster valves with NAMUR interface, K <sub>VS</sub> 2.9)	8333-1272

Accessories	
Designation	Order no.
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	0790-6658
M20x1.5 Ex d cable gland, made of brass (for 6.5 to 14 mm cable diameter	8808-0200
Distance plate with NAMUR interface 1/4" on rotary actuators 1/4", including fastening screws and gaskets	
Aluminum, powder coated, gray beige RAL 1019	1400-9741
Stainless steel 1.4404	1402-0234
Adapter plate with NAMUR interface ¼" on NAMUR rib (G ¼)	1400-6751
Adapter plate with NAMUR interface ¼" on NAMUR rib (¼ NPT)	1400-9924
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)	1400-5905
Filter made of polyethylene, G ¼ connection, degree of protection IP 54	8504-0066
Filter made of polyethylene, G ½ connection, degree of protection IP 54	8504-0068

Mounting kits for solenoid valves with threaded connections	
Designation	Order no.
Mounting kit for linear actuators (80/240 cm <sup>2</sup> actuator area, $G \frac{1}{4}$ connection) with pipe fitting, $G \frac{1}{4}/G \frac{1}{4}$ connection, made of CrNiMo steel	1400-6759
Mounting kit for linear actuators (350/700 cm² actuator area, G 3/8 connection)	
with pipe fitting, G $\frac{1}{2}$ /G $\frac{3}{8}$ connection, made of CrNiMo steel	1400-6735
with pipe fitting, G $\frac{1}{4}$ /G $\frac{3}{8}$ connection, made of CrNiMo steel	1400-6761
Mounting kit for linear actuators (1400 cm² actuator area, G $^{3}$ /4 connection) with pipe fitting, G $^{1}$ /2/G $^{3}$ /4 connection, made of CrNiMo steel	1400-6736
Mounting kit for linear actuators (2800 cm <sup>2</sup> actuator area, G 1 connection) with pipe fitting, G $\frac{1}{2}$ /G 1 connection, made of CrNiMo steel	1400-6737
Mounting kit for linear actuators (80/240 cm² actuator area, G 1/4 connection) with mounting bracket made of CrNiMo steel	
and screw fittings for $8 \times 1$ pipe, G $\frac{1}{4}$ /G $\frac{1}{4}$ connection, made of zinc-plated steel	1400-6749
and screw fittings for $8\times1$ pipe, G $\frac{1}{4}$ /G $\frac{1}{4}$ connection, made of CrNiMo steel	1400-6750
Mounting kit for linear actuators (350/700 cm² actuator area, G 3% connection) with mounting bracket made of CrNiMo steel	
and screw fittings for $8 \times 1$ pipe, G $\frac{1}{4}$ /G $\frac{3}{8}$ connection, made of zinc-plated steel	1400-6738
and screw fittings for $8\times1$ pipe, G $\frac{1}{4}$ /G $\frac{3}{8}$ connection, made of CrNiMo steel	1400-6739
and screw fittings for 12x1 pipe, G $\frac{1}{4}$ /G $\frac{3}{8}$ connection, made of CrNiMo steel	1400-6743
and screw fittings for $10x1$ pipe, G $\frac{1}{2}$ /G $\frac{3}{8}$ connection, made of polyamide	1400-6744
and screw fittings for $10x1$ pipe, G $\frac{1}{4}$ /G $\frac{3}{8}$ connection, made of polyamide	1400-6745
Mounting kit for linear actuators (700 cm² actuator area, G 3/8 connection) with mounting bracket made of CrNiMo steel	
and screw fittings for 12 $\times$ 1 pipe, G $\frac{1}{2}$ /G $\frac{3}{8}$ connection, made of zinc-plated steel	1400-6740
and screw fittings for 12 $\times$ 1 pipe, G $\frac{1}{4}$ /G $\frac{3}{6}$ connection, made of zinc-plated steel	1400-6741
and screw fittings for 12x1 pipe, G $\frac{1}{2}$ /G $\frac{3}{8}$ connection, made of CrNiMo steel	1400-6742

Mounting kits for solenoid valves with NAMUR interface	
Designation	Order no.
Mounting kit for linear actuators (350/700 cm² actuator area, G % connection) with NAMUR rib using adapter plate for NAMUR rib/interface (order no. 1400-6751)	
with screw fittings for 12 $\times$ 1 pipe, G $\frac{1}{4}$ /G $\frac{3}{8}$ connection, made of zinc-plated steel	1400-6746
with screw fittings for $12\times1$ pipe, G $\frac{1}{4}$ /G $\frac{3}{8}$ connection, made of CrNiMo steel	1400-6747
with screw fittings for $10\times1$ pipe, G $\frac{1}{4}$ /G $\frac{3}{8}$ connection, made of polyamide	1400-6748
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)	
with screw fittings for 6 $\times$ 1 pipe, G $\frac{1}{4}$ /G $\frac{1}{4}$ connection, made of zinc-plated steel	1400-6752
with screw fittings for $6\times1$ pipe, G $\frac{1}{4}$ /G $\frac{1}{4}$ connection, made of CrNiMo steel	1400-6753
with screw fittings for $10\times1$ hose, G $\frac{1}{4}$ /G $\frac{1}{4}$ connection, made of polyamide	1400-6756
Mounting kit for linear actuators (350/700 cm² actuator area, G % connection) with NAMUR rib using adapter plate for NAMUR rib/interface (order no. 1400-6751)	
with screw fittings for $8 \times 1$ pipe, G $\frac{1}{4}$ /G $\frac{3}{8}$ connection, made of zinc-plated steel	1400-6754
with screw fittings for $8\times1$ pipe, G $^{1}\!4/G$ $^{3}\!8$ connection, made of CrNiMo steel	1400-6755
with screw fittings for $10\times1$ pipe, G $\frac{1}{4}$ /G $\frac{3}{8}$ connection, made of polyamide	1400-6757
Mounting kit for linear actuators (80/240 cm <sup>2</sup> actuator area, $G^{1/4}$ connection) with pipe fitting, $G^{1/4}/G^{1/4}$ connection, made of CrNiMo steel	1400-6759
Mounting kit for Type 3353 Angle Seat Valve with adapter plate for NAMUR interface made of stainless steel 1.4301	1400-3001