



## Servo-assisted 2/2-way piston valve

- Servo-assisted piston valve with an orifice up to DN50
- Explosion proof versions for Cat. 2
- Suitable for gas and steam applications up to 160 °C
- Relief valves for compressors



Product variants described in the data sheet may differ from the product presentation and description.

### Can be combined with



**Type 2518**  
Cable Plug Form A

### Type description

The 5404 valve is a servo-assisted piston valve available in NC and NO versions. A minimum differential pressure is required for the valve switching function. The solenoid coils are moulded with high-quality epoxy resin. In combination with a plug to DIN EN 175301-803 Form A, the valves satisfy degree of protection IP65. The plug is not included and must be ordered separately.

## Table of contents

<b>1. General technical data</b>	<b>4</b>
<b>2. Circuit functions</b>	<b>5</b>
<b>3. Materials</b>	<b>5</b>
3.1. Chemical Resistance Chart – Bürkert resistApp.....	5
3.2. Standard version.....	5
DN12, Circuit function A.....	5
DN25, Circuit function B.....	6
DN32, Circuit function A.....	6
3.3. Steam version NA07.....	7
DN13, Circuit function A.....	7
DN32, Circuit function A, flange body.....	7
3.4. High pressure version MX13.....	8
DN12, Circuit function A.....	8
3.5. Discharge valve for compressor systems CF05.....	8
DN12, Circuit function B.....	8
<b>4. Dimensions</b>	<b>9</b>
4.1. Standard version.....	9
Threaded version DN12.....	9
Threaded version DN20 and DN25.....	9
Threaded version DN32 and DN50.....	10
4.2. Steam version NA07.....	10
Threaded version DN13.....	10
Threaded version DN20, DN25.....	11
Flange version DN25.....	11
Threaded version DN32 and DN40.....	12
Flange version DN32 and DN40.....	12
4.3. High pressure version MX13.....	13
4.4. Discharge valve for compressor systems CF05.....	13
Plug version with vent.....	13
4.5. ATEX/IECEX version.....	14
Cable version.....	14
Terminal box.....	14
<b>5. Performance specifications</b>	<b>15</b>
5.1. Temperature/duty cycle derating diagram for steam version NA07.....	15
Characteristic values of intermittent operation.....	15
<b>6. Product accessories</b>	<b>15</b>
6.1. Cable glands for ATEX/IECEX terminal box.....	15
6.2. Special tool to turn the junction box.....	16

<b>7. Ordering information</b>	<b>16</b>
7.1. Bürkert eShop – Easy ordering and quick delivery.....	16
7.2. Bürkert product filter.....	16
7.3. Ordering chart.....	17
Standard version DN12...DN25.....	17
Standard version DN32...DN50.....	17
Steam version NA07, DN13...DN25 .....	18
Steam version NA07, DN32...DN40 .....	18
High pressure version MX13.....	18
Discharge valve for compressor systems CF05 .....	19
ATEX/IECEX with 3-meter cable .....	19
ATEX/IECEX terminal box.....	20
7.4. Ordering chart accessories.....	20
Cable plug Type 2513, form A acc. to DIN EN 175301 - 803 .....	20
Accessories for ATEX/IECEX terminal box .....	21

## 1. General technical data

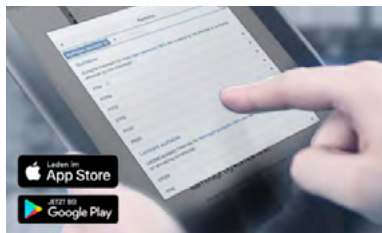
Product properties	
<b>Materials</b>	
Body	Brass
Coil	Epoxy resin (Polyamide on request)
Seal	PTFE seat seal + FKM PTFE seat seal + Graphite steam version PTFE seat seal + EPDM on request
Orifice	DN12...DN50
Coil insulation class	H (B on request)
Valve internals	Stainless steel, brass
Electrical data	
Voltage tolerance	± 10 %
<b>Electrical power consumption</b>	
Circuit function A, DN12...DN25 (not in combination with high pressure MX <sup>13</sup> )	Inrush AC: 24 VA Hold AC (hot coil): 14 VA/8 W Hold DC (hot/cold coil): 8/9.5 W
Circuit function B, DN12...DN25	Inrush AC: 24 VA Hold AC (hot coil): 14 VA/8 W Hold DC (hot/cold coil): 8/9.5 W
ATEX/IECEx version	Inrush AC: 9 VA Hold AC (hot coil): 9 VA Hold DC (hot/cold coil): 9 W
Circuit function A, DN32...DN50 and DN12 as high pressure MX13	Inrush AC: 24 VA Hold AC (hot coil): 16 VA/10 W Hold DC (hot/cold coil): 12/13 W
Performance data	
Duty cycle	100 % continuous rating
<b>Response times</b>	
DN12...DN25	Opening: 20...400 ms Closing: 100...1500 ms
DN32...DN50	Opening: 200...1500 ms Closing: 1000...3000 ms
Medium data	
Medium	Neutral mediums, compressed air, water, hydraulic oil and steam
<b>Medium temperature</b>	
Standard	- 10 °C...120 °C
Steam version	Up to 160 °C, see <a href="#">"5.1. Temperature/duty cycle derating diagram for steam version NA07"</a> on page 15 (from -40 °C on request)
Approvals and Certificates	
Protection class	IP65 with cable plug (IP67 on request)
Product connections	
Electrical connection	Tag connector acc. to DIN EN 175301 - 803 Form A
Environment and installation	
Installation	As required, preferably with actuator upright
Ambient temperature	- 10 °C...+55 °C (from -40 °C on request)

## 2. Circuit functions

Circuit functions	Description
	<b>Type: A, solenoid valve</b> 2/2 way Servo-controlled Normally closed
	<b>Type: B, solenoid valve</b> 2/2 way Servo-controlled Normally open

## 3. Materials

### 3.1. Chemical Resistance Chart – Bürkert resistApp



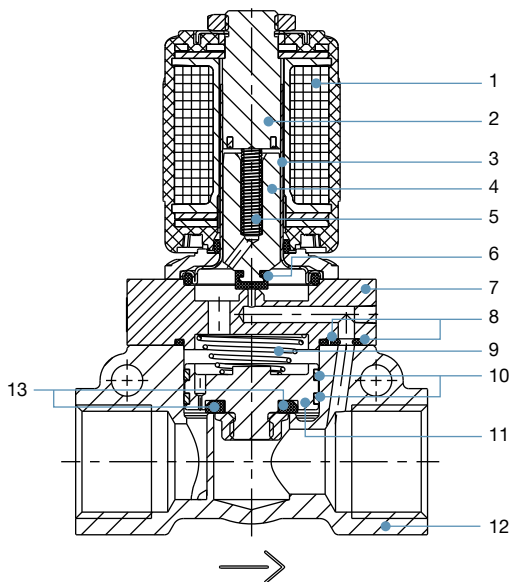
#### Bürkert resistApp – Chemical Resistance Chart

You want to ensure the reliability and durability of the materials in your individual application case? Verify your combination of media and materials on our website or in our resistApp.

[Start Chemical Resistance Check](#)

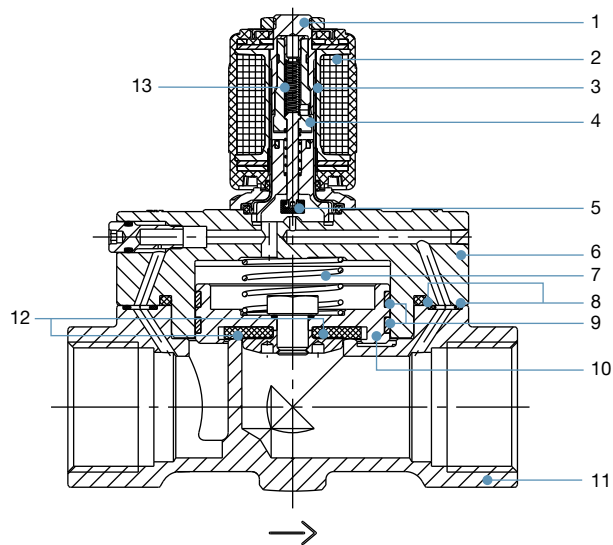
### 3.2. Standard version

#### DN12, Circuit function A



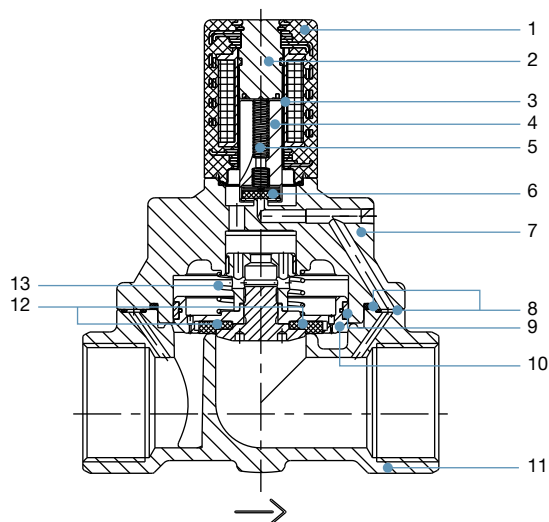
No.	Element	Material
1	Coil	Epoxy (Polyamide optional)
2	Stopper	1.4105 Stainless steel
3	Armature guide tube	1.4303 Stainless steel
4	Plunger	1.4105 Stainless steel
5	Spring	1.4310 Stainless steel
6	Plunger seal	FKM (EPDM optional)
7	Cover	Brass
8	O-Rings	FKM (EPDM optional)
9	Spring	1.4310 Stainless steel
10	Piston rings	PTFE
11	Piston	Brass
12	Valve body	Brass
13	Piston seal	PTFE

**DN25, Circuit function B**



No.	Element	Material
1	Stopper	1.4113 Stainless steel
2	Coil	Epoxy
3	Armature guide tube	1.4303 Stainless steel
4	Plunger	1.4113/1.4305 Stainless steel
5	Plunger seal	FKM (EPDM optional)
6	Cover	Brass
7	Spring	1.4310 Stainless steel
8	O-Rings	FKM (EPDM optional)
9	Piston rings	PTFE
10	Piston	Brass
11	Valve body	Brass
12	Piston seal	PTFE
13	Spring	1.4310 Stainless steel

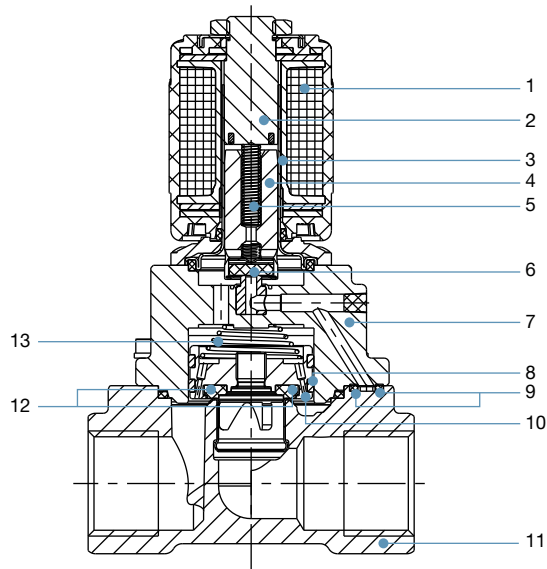
**DN32, Circuit function A**



No.	Element	Material
1	Coil	Epoxy
2	Stopper	1.4105 Stainless steel
3	Armature guide tube	1.4303 Stainless steel
4	Plunger	1.4105 Stainless steel
5	Spring	1.4310 Stainless steel
6	Plunger seal	FKM
7	Cover	Brass
8	O-Rings	FKM
9	Piston rings	PTFE
10	Piston	Brass
11	Valve body	Brass
12	Piston seal	PTFE
13	Spring	1.4310 Stainless steel

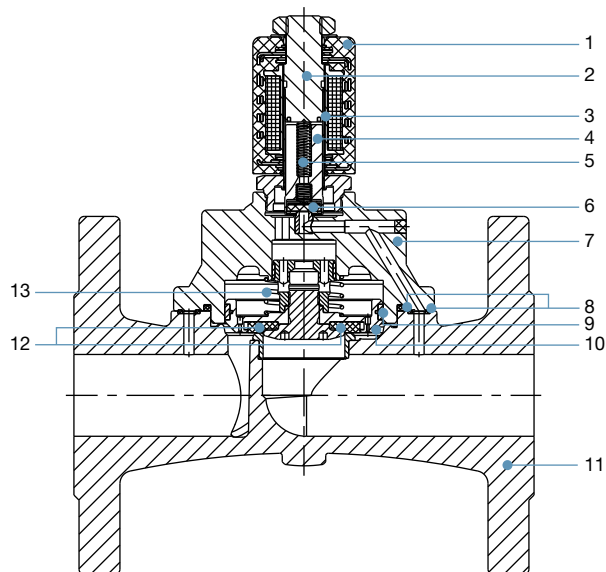
### 3.3. Steam version NA07

#### DN13, Circuit function A



No.	Element	Material
1	Coil	Epoxy
2	Stopper	1.4113 Stainless steel
3	Armature guide tube	1.4303 Stainless steel
4	Plunger	1.4113 Stainless steel
5	Spring	1.4310 Stainless steel
6	Plunger seal	PTFE
7	Cover	Brass
8	Piston rings	PTFE
9	O-Rings	Graphite
10	Piston	Brass
11	Valve body	Brass
12	Piston seal	PTFE
13	Spring	1.4310 Stainless steel

#### DN32, Circuit function A, flange body

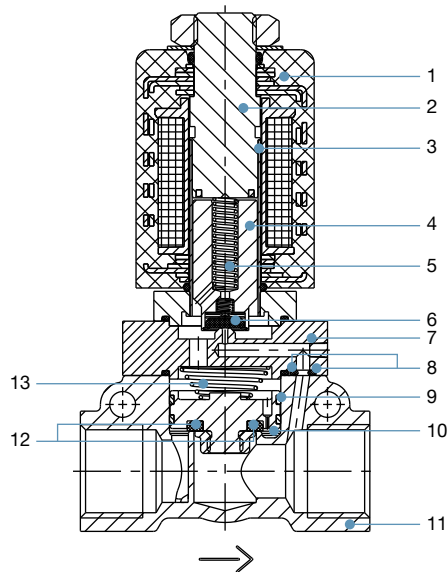


No.	Element	Material
1	Coil	Epoxy
2	Stopper	1.4113 Stainless steel
3	Armature guide tube	1.4571 Stainless steel
4	Plunger	1.4113 Stainless steel
5	Spring	1.4310 Stainless steel
6	Plunger seal	PTFE
7	Cover	Brass
8	O-Rings	Graphite
9	Piston rings	PTFE
10	Piston	Brass
11	Valve body	Gray cast iron
12	Piston seal	PTFE
13	Spring	1.4310 Stainless steel

DTS 1000011017 EN Version: P Status: RL (released | freigegeben | validé) printed: 13.08.2019

### 3.4. High pressure version MX13

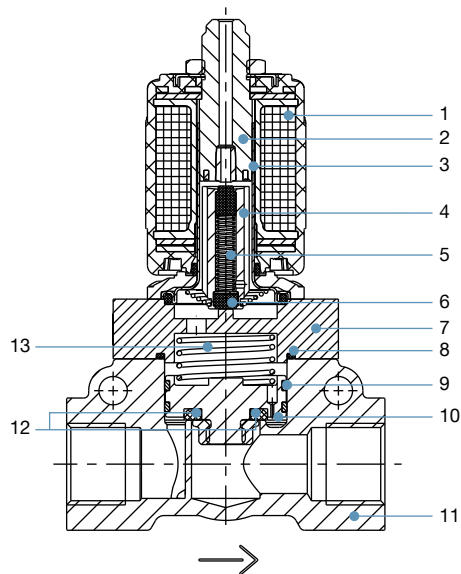
#### DN12, Circuit function A



No.	Element	Material
1	Coil	Epoxy (Polyamide)
2	Stopper	1.4113 Stainless steel
3	Armature guide tube	1.4571 Stainless steel
4	Plunger	1.4113 Stainless steel
5	Spring	1.4310 Stainless steel
6	Plunger seal	PTFE
7	Cover	Brass
8	O-Rings	FKM
9	Piston rings	PTFE
10	Piston	Brass
11	Valve body	Brass
12	Piston seal	PTFE
13	Spring	1.4310 Stainless steel

### 3.5. Discharge valve for compressor systems CF05

#### DN12, Circuit function B



No.	Element	Material
1	Coil	Epoxy (Polyamide optional)
2	Stopper	1.4105 Stainless steel
3	Armature guide tube	1.4303 Stainless steel
4	Plunger	1.4105 Stainless steel
5	Spring	1.4310 Stainless steel
6	Plunger seal	FKM
7	Cover	Brass
8	O-Rings	FKM
9	Piston rings	PTFE
10	Piston	Brass
11	Valve body	Brass
12	Piston seal	PTFE
13	Spring	1.4310 Stainless steel

DTS 1000011017 EN Version: P Status: RL (released | freigegeben | validé) printed: 13.08.2019



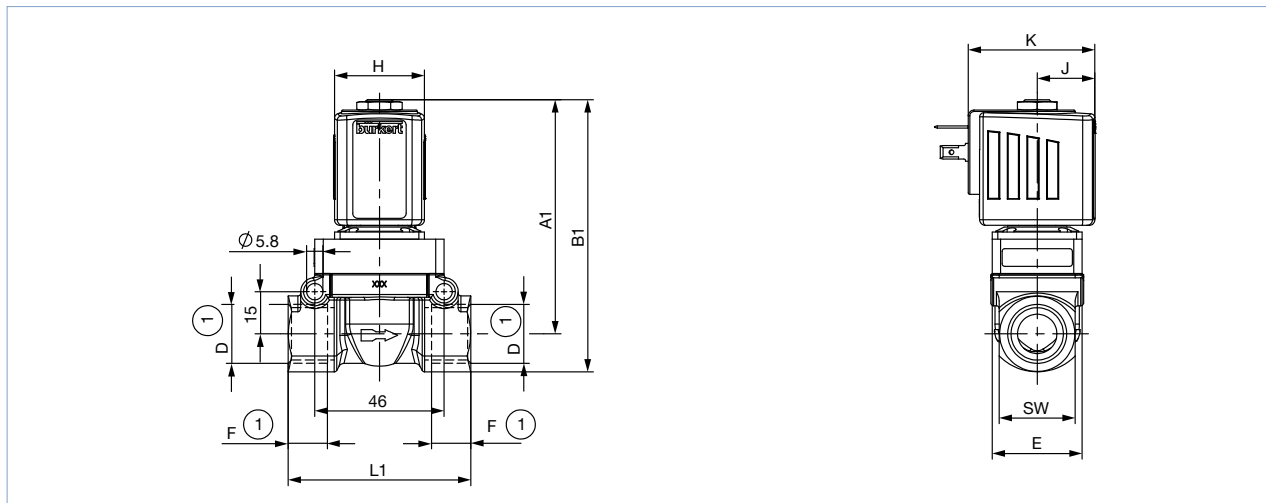
## 4. Dimensions

### 4.1. Standard version

**Note:**

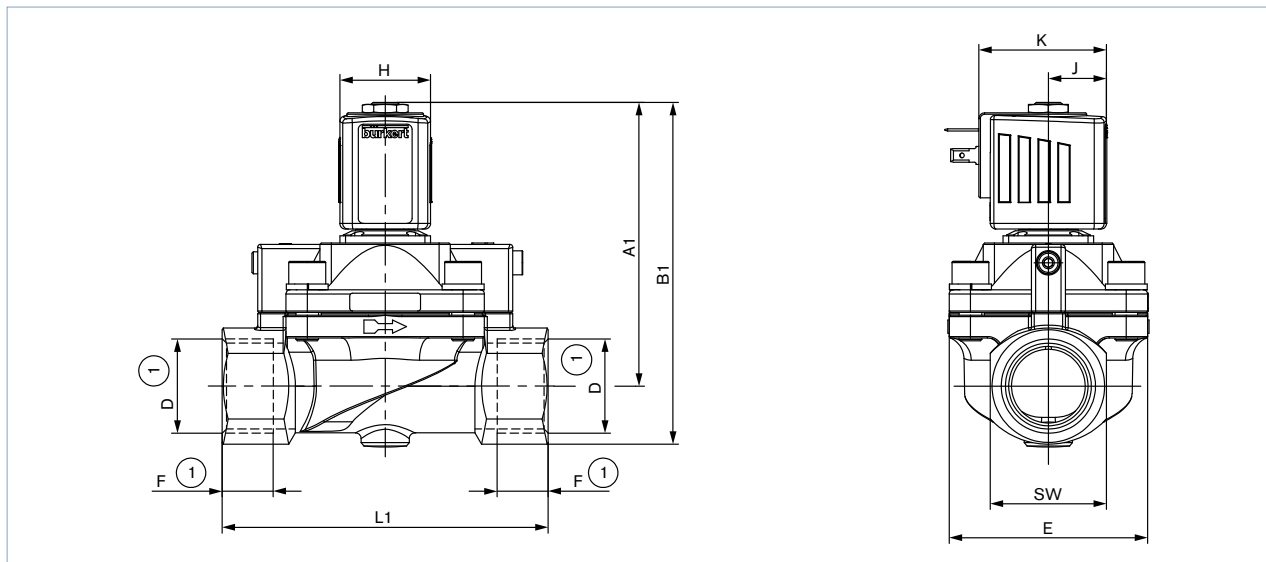
- ① The dimensions F1 and D1 apply to G-threads. For NPT threads, the dimensions F2 and D2 apply and for Rc threads, the dimensions F3 and D3.
- Dimensions in mm

#### Threaded version DN12



Coil size	DN	WWA		WWB		G thread		NPT thread		Rc thread		E	L1	SW	H	J	K
		A1	B1	A1	B1	D1	F1	D2	F2	D3	F3						
5	12.0	83	96.5	90.5	104	G 1/2	14	NPT 1/2	13.7	Rc 1/2	13.2	33	65	27	32	20.5	45
6	12.0	83	96.5	90.5	104	G 1/2	14	NPT 1/2	13.7	Rc 1/2	13.2	33	65	27	40	23.5	51

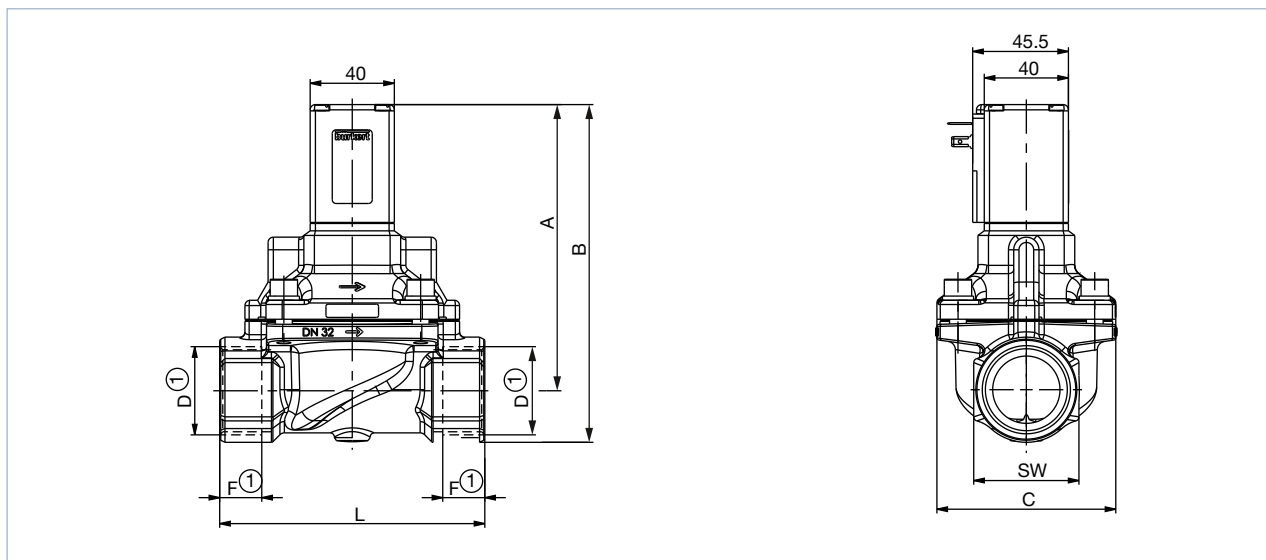
#### Threaded version DN20 and DN25



Coil size	DN	WWA		WWB		G thread		NPT thread		Rc thread		E	L1	SW	H	J	K
		A1	B1	A1	B1	D1	F1	D2	F2	D3	F3						
5	20.0	93	109	90.5	104	G 3/4	16	NPT 3/4	14	Rc 3/4	14.5	60	100	32	32	20.5	45
	25.0	99.5	119			G 1	18	NPT 1	16.8	Rc 1	16.8						
6	20.0	93	109	90.5	104	G 3/4	16	NPT 3/4	14	Rc 3/4	14.5	60	100	32	40	23.5	51
	25.0	99.5	119			G 1	18	NPT 1	16.8	Rc 1	16.8						

DTS 1000011017 EN Version: P Status: RL (released | freigegeben | valide) printed: 13.08.2019

Threaded version DN32 and DN50



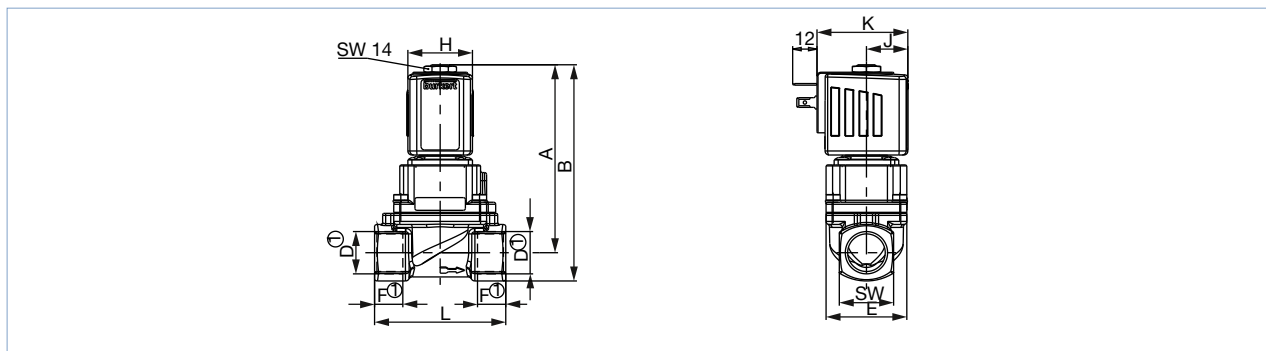
DN	A	B	G thread		NPT thread		C	L	SW
			D1	F1	D2	F2			
32	136	161	G 1¼	20	NPT 1¼	17.3	85	126	50
32	140	170	G 1½	22	NPT 1½	17.3	85	126	60
50	163	198	G 2	24	NPT 2	17.6	115	164	70

4.2. Steam version NA07

Note:

- ① The dimensions F1 and D1 apply to G-threads. For NPT threads, the dimensions F2 and D2 apply and for Rc threads, the dimensions F3 and D3.
- Dimensions in mm

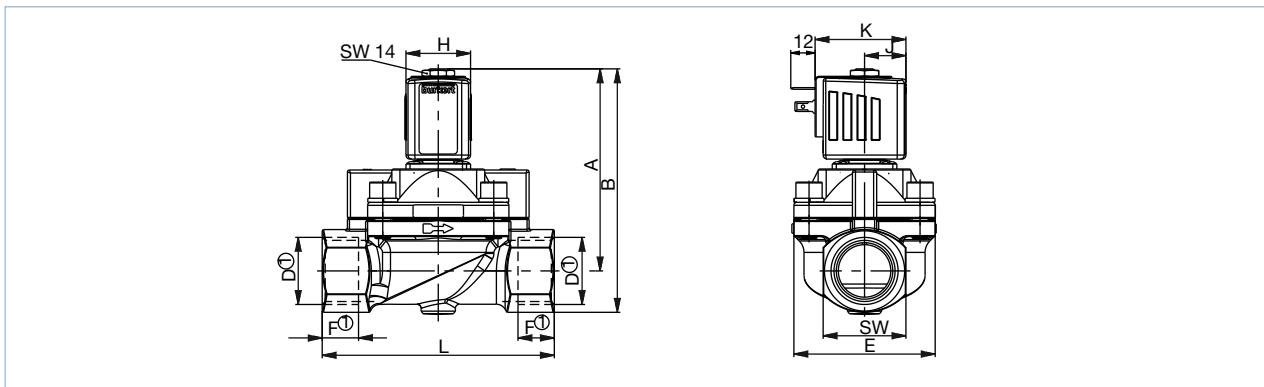
Threaded version DN13



Coil size	DN	A	B	G thread		NPT thread		Rc thread		E	L	SW	H	J	K
				D1	F1	D2	F2	D3	F3						
5	13	93.1	107.1	G ½	14	NPT ½	13.7	Rc ½	13.2	40	65	27	32	20.5	45
6	13	93.1	107.1	G ½	14	NPT ½	13.7	Rc ½	13.2	40	65	27	40	23.5	51

DTS 1000011017 EN Version: P Status: RL (released | freigegeben | valide) printed: 13.08.2019

Threaded version DN20, DN25

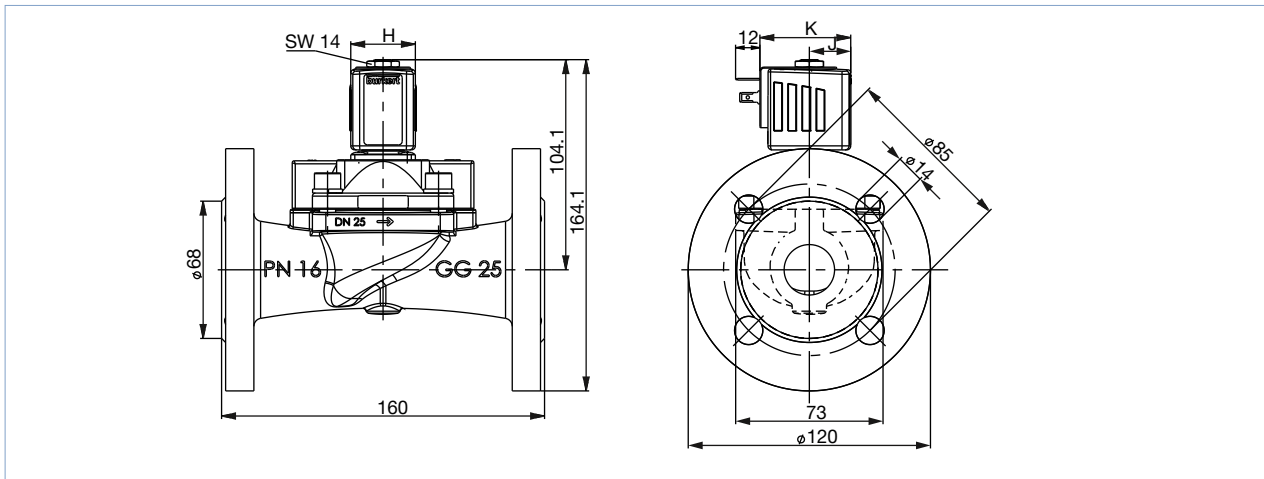


Coil size	DN	A	B	G thread		NPT thread		Rc thread		E	L	SW	H	J	K
				D1	F1	D2	F2	D3	F3						
5	20	96.1	112.1	G 3/4	16	NPT 3/4	14	Rc 3/4	14.5	60	100	32	32	20.5	45
	25	100.1	120.6	G 1	18	NPT 1	16.8	Rc 1	16.8	70	115	41			
6	20	96.1	112.1	G 3/4	16	NPT 3/4	14	Rc 3/4	14.5	60	100	32	40	23.5	51
	25	100.1	120.6	G 1	18	NPT 1	16.8	Rc 1	16.8	70	115	41			

Flange version DN25

Note:

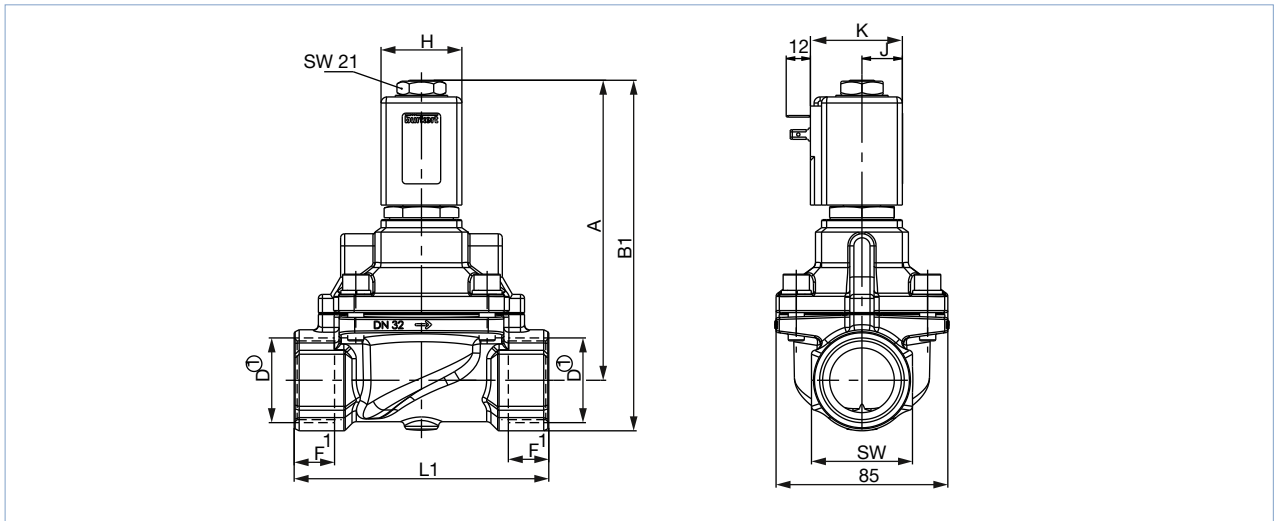
- ① The dimensions F1 and D1 apply to G-threads. For NPT threads, the dimensions F2 and D2 apply and for Rc threads, the dimensions F3 and D3.
- Dimensions in mm



Coil size	DN	A	B	G thread		NPT thread		Rc thread		E	L	SW	H	J	K
				D1	F1	D2	F2	D3	F3						
5	25	100.1	120.6	G 1	18	NPT 1	16.8	Rc 1	16.8	70	115	41	32	20.5	45
6	25	100.1	120.6	G 1	18	NPT 1	16.8	Rc 1	16.8	70	115	41	40	23.5	51

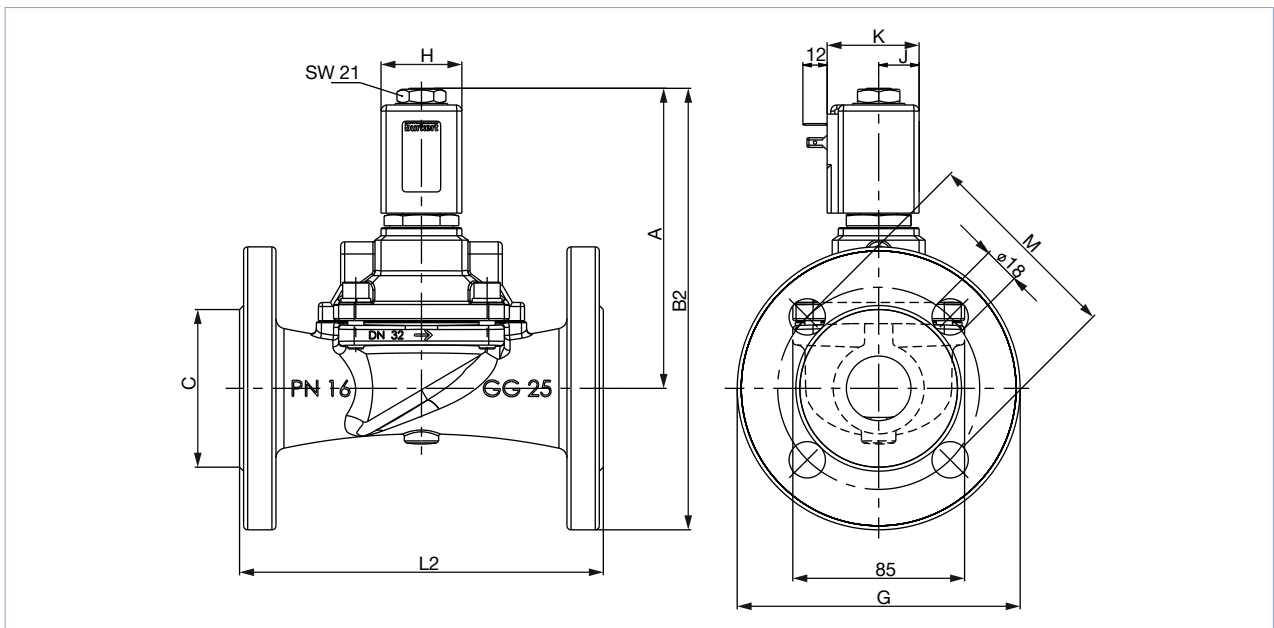
DTS 1000011017 EN Version: P Status: RL (released | freigegeben | valide) printed: 13.08.2019

Threaded version DN32 and DN40



Coil size	DN	A	B1	G thread		NPT thread		L	B2	C	G	L2	M	SW	H	J	K
				D1	F1	D2	F2										
C	32	148	173	G 1¼	20	NPT 1¼	17.3	126	218	78	140	180	100	50	40	20	45
	40	153	181	G 1½	22	NPT 1½	17.3	126	227	88	150	200	110	60			

Flange version DN32 and DN40



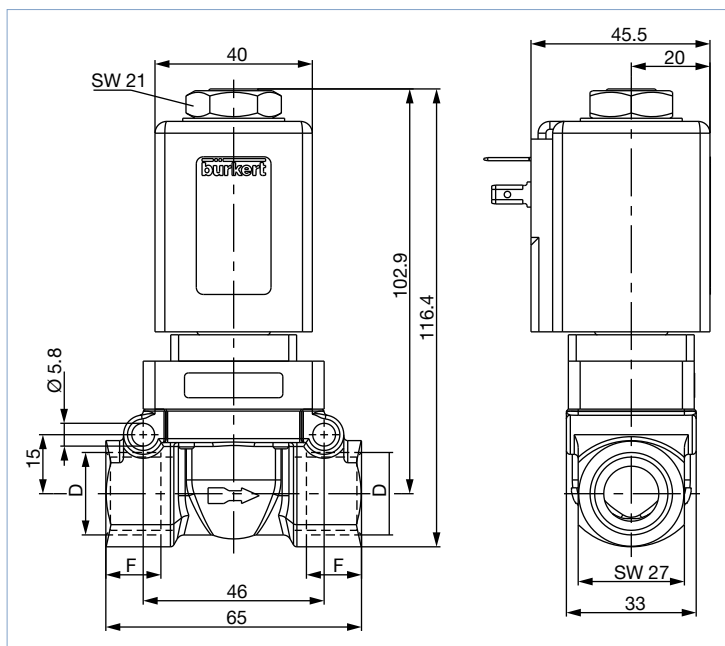
Coil size	DN	A	B1	G thread		NPT thread		L	B2	C	G	L2	M	SW	H	J	K
				D1	F1	D2	F2										
C	32	148	173	G 1¼	20	NPT 1¼	17.3	126	218	78	140	180	100	50	40	20	45
	40	153	181	G 1½	22	NPT 1½	17.3	126	227	88	150	200	110	60			

DTS 1000011017 EN Version: P Status: RL (released | freigegeben | valide) printed: 13.08.2019

### 4.3. High pressure version MX13

**Note:**

Dimensions in mm



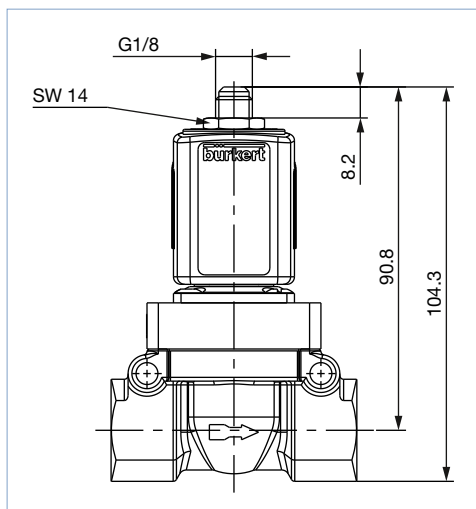
D	F
G 1/2	14
NPT 1/2	13.7

### 4.4. Discharge valve for compressor systems CF05

**Note:**

Dimensions in mm

**Plug version with vent**

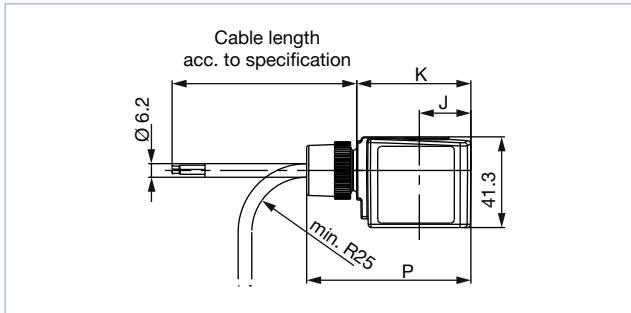


### 4.5. ATEX/IECEEx version

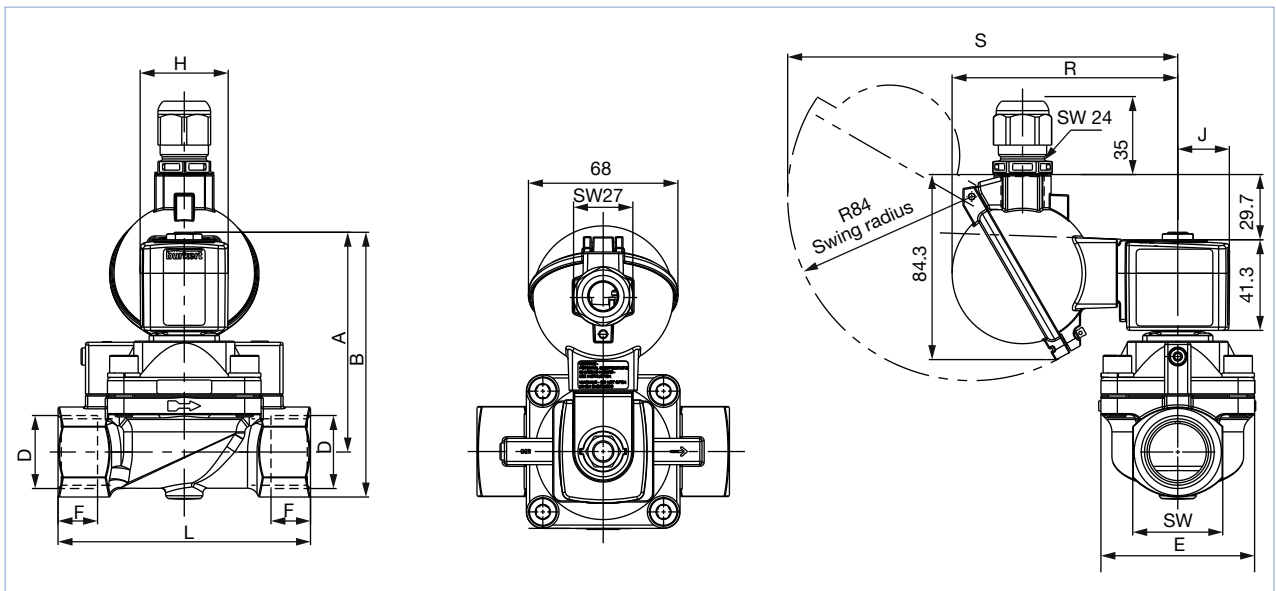
**Note:**

- ① The dimensions F1 and D1 apply to G-threads. For NPT threads, the dimensions F2 and D2 apply and for Rc threads, the dimensions F3 and D3.
- Dimensions in mm

**Cable version**



**Terminal box**

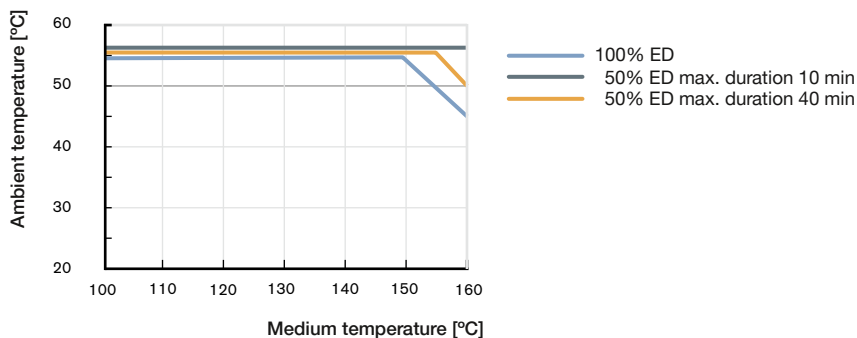


Coil size	DN	WWA		WWB		G thread		NPT thread		Rc thread		E	L	SW	H	J	K	P	R	S
		A	B	A	B	D1	F1	D2	F2	D3	F3									
5	12	83	96.5	90.8	104.3	G ½	14	NPT ½	13.7	Rc ½	13.2	33	65	27	32	20.5	46	68.8	99.8	174.7
	20	93	109			G ¾	16	NPT ¾	14	Rc ¾	14.5	60	100	32						
	25	99.5	119			G 1	18	NPT 1	16.8	Rc 1	16.8	70	115	41						
6	12	83	96.5	90.8	104.3	G ½	14	NPT ½	13.7	Rc ½	13.2	33	65	27	40	23.5	52	74.8	102.8	177.7
	20	93	109			G ¾	16	NPT ¾	14	Rc ¾	14.5	60	100	32						
	25	99.5	119			G 1	18	NPT 1	16.8	Rc 1	16.8	70	115	41						

DTS 1000011017 EN Version: P Status: RL (released | freigegeben | validé) printed: 13.08.2019

## 5. Performance specifications

### 5.1. Temperature/duty cycle derating diagram for steam version NA07



#### Characteristic values of intermittent operation

$$t_{SD}[s] = \frac{60}{SH[\frac{1}{min}]}$$

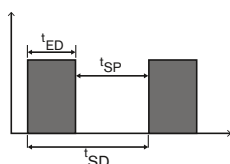
$t_{SD}$  – Cycle time

$$t_{ED}[s] = \frac{ED[\%]}{100} \times t_{SD}[s]$$

$t_{ED}$  – Duty cycle

$$t_{SP}[s] = t_{SD}[s] - t_{ED}[s]$$

$t_{SP}$  – De-energized pause



ED – Relative duty cycle relative


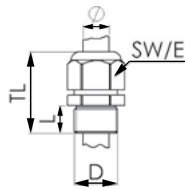

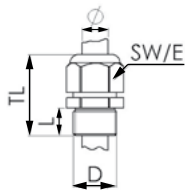
SH – Switching frequency

## 6. Product accessories

### 6.1. Cable glands for ATEX/IECEx terminal box

#### Note:

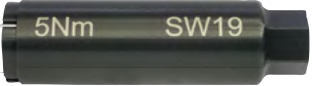
- A cable gland in polyamide version is included in the delivery. A nickel-plated brass version can be ordered at a surcharge.

Description	Ex approvals		Dimensions										
	Certification	Identification											
Ex cable gland, Brass, nickelplated, 6...13 mm 	PTB 04 ATEX 1112 X, IECEx PTB 13.0027X	II 2 G Ex e IIC Gb, II 2 D Ex tb IIIC Db IP68	 <table border="1"> <tr><td>TL</td><td>29...37 mm</td></tr> <tr><td>L</td><td>6 mm</td></tr> <tr><td>D</td><td>20 mm</td></tr> <tr><td>SW</td><td>24 mm</td></tr> <tr><td>E</td><td>27 mm</td></tr> </table>	TL	29...37 mm	L	6 mm	D	20 mm	SW	24 mm	E	27 mm
TL	29...37 mm												
L	6 mm												
D	20 mm												
SW	24 mm												
E	27 mm												
Ex cable gland, Polyamide, 7...13 mm 	PTB 13 ATEX 1015 X, IECEx PTB 13.0034X	II 2 G Ex e IIC Gb, II 2 D Ex tb IIIC Db IP68	 <table border="1"> <tr><td>TL</td><td>36...45 mm</td></tr> <tr><td>L</td><td>10 mm</td></tr> <tr><td>D</td><td>20 mm</td></tr> <tr><td>SW</td><td>24 mm</td></tr> <tr><td>E</td><td>28 mm</td></tr> </table>	TL	36...45 mm	L	10 mm	D	20 mm	SW	24 mm	E	28 mm
TL	36...45 mm												
L	10 mm												
D	20 mm												
SW	24 mm												
E	28 mm												

## 6.2. Special tool to turn the junction box

### Note:

- This special tool is not supplied with the valve (see “7.4. Ordering chart accessories” on page 20)
- This special tool can only be used with ATEX AC10 coils.

Set SC02-AC10	
	<b>Set includes:</b> <ul style="list-style-type: none"> <li>• Special wrench</li> <li>• Service manual</li> </ul>

## 7. Ordering information

### 7.1. Bürkert eShop – Easy ordering and quick delivery



#### Bürkert eShop – Easy ordering and fast delivery

You want to find your desired Bürkert product or spare part quickly and order directly? Our online shop is available for you 24/7. Sign up and enjoy all the benefits.

[Order online now](#)

### 7.2. Bürkert product filter



#### Bürkert product filter – Get quickly to the right product

You want to select products comfortably based on your technical requirements? Use the Bürkert product filter and find suitable articles for your application quickly and easily.

[Try out our product filter](#)

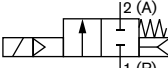
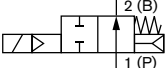


## 7.3. Ordering chart

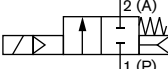
## Standard version DN12...DN25

## Note:

- Other versions are available on request.
- Please note that the cable plug has to be ordered separately, see “7.4. Ordering chart accessories” on page 20 or separate data sheet **Type 2518** ▶.

Circuit function	Port connection	Orifice [mm]	K <sub>v</sub> value water [m <sup>3</sup> /h]	Pressure range for liquids [bar]	Pressure range for gases [bar]	Article no. per voltage/frequency [V/Hz]		
						024/DC	024/50	230/50
<b>Seals PTFE+FKM</b>								
<b>A, solenoid valve</b> 2/2 way servo-controlled, normally closed 	G ½	12	2.0	1...50	1...50	308501	177853	308502
	G ¾	20	7.0	1...25	1...32	308503	–	–
				1...25	1...40	–	308504	308505
	G 1	25	10.0	1...25	1...32	308506	–	–
1...25				1...40	–	308507	308508	
<b>B, solenoid valve</b> 2/2 way servo-controlled, normally open 	G ½	12	2.0	1...32	1...32	309022	301170	295636
	G ¾	20	7.0	1...25	1...25	303209	295276	295651
	G 1	25	10.0	1...25	1...25	295660	308120	301740

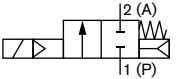
## Standard version DN32...DN50

Circuit function	Port connection	Orifice [mm]	K <sub>v</sub> value water [m <sup>3</sup> /h]	Pressure range for liquids [bar]	Pressure range for gases [bar]	Article no. per voltage/frequency [V/Hz]		
						024/DC	024/50	230/50
<b>Seals PTFE+FKM</b>								
<b>A, solenoid valve</b> 2/2 way servo-controlled, normally closed 	G 1¼	32	18.0	1...16	1...16	122579	–	–
				1...25	1...25	–	085337	085340
	G 1½	40	18.0	1...16	1...16	085343	–	–
				1...25	1...25	–	085342	085345
	G 2	50	36.0	1...8	1...8	307475	–	–
				1...20	1...20	–	307476	085350

## Steam version NA07, DN13...DN25

## Note:

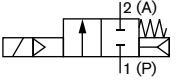
Please also note the derating diagram, see "5.1. Temperature/duty cycle derating diagram for steam version NA07" on page 15.

Circuit function	Port connection	Orifice [mm]	K <sub>v</sub> value water [m <sup>3</sup> /h]	Pressure range [bar]	Body material	Article no. per voltage/frequency [V/Hz]		
						024/DC	024/50	230/50
<b>Seals PTFE+Graphite</b>								
<b>A, solenoid valve</b> 2/2 way servo-controlled, normally closed 	G 1/2	13	3.7	1...5	Brass	307267 ☞	–	–
				1...12	Brass	–	307269 ☞	307276 ☞
	G 3/4	20	7.0	1...5	Brass	307286 ☞	–	–
				1...12	Brass	–	307284 ☞	307326 ☞
	G 1	25	10.0	1...5	Brass	307342 ☞	–	–
				1...12	Brass	–	307343 ☞	307351 ☞
Flange acc. to DIN EN 1902 - 1	25	10.0	1...5	GG 25	307354 ☞	–	–	
			1...12	GG 25	–	–	307344 ☞	

## Steam version NA07, DN32...DN40

## Note:

Please also note the derating diagram, see "5.1. Temperature/duty cycle derating diagram for steam version NA07" on page 15.

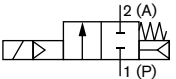
Circuit function	Port connection	Orifice [mm]	K <sub>v</sub> value water [m <sup>3</sup> /h]	Pressure range [bar]	Body material	Article no. nach Spannung/ Frequenz [V/Hz]		
						024/DC	024/50	230/50
<b>Seals PTFE+Graphite</b>								
<b>A, solenoid valve</b> 2/2 way servo-controlled, normally closed 	G 1 1/4	32	18.0	1...4	Brass	316584 ☞	–	–
				1...12	Brass	–	316580 ☞	316579 ☞
	Flange acc. to DIN EN 1902 - 1	32	18.0	1...4	GG 25	X	–	–
				1...12	GG 25	–	X	316583 ☞
	G 1 1/2	40	18.0	1...4	Brass	316592 ☞	–	–
				1...12	Brass	–	316586 ☞	316588 ☞
Flange acc. to DIN EN 1902 - 1	40	18.0	1...4	GG 25	X	–	–	
			1...12	GG 25	–	X	316591 ☞	

X: on request

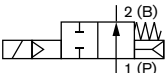
## High pressure version MX13

## Note:

High shut off levels may occur with liquids and high differential pressure!

Circuit function	Port connection	Orifice [mm]	K <sub>v</sub> value water [m <sup>3</sup> /h]	Pressure range for liquids [bar]	Pressure range for gases [bar]	Article no. per voltage/frequency [V/Hz]		
						024/DC	024/50	230/50
<b>Seals PTFE+FKM</b>								
<b>A, solenoid valve</b> 2/2 way servo-controlled, normally closed 	G 1/2	12	2.0	1...80	1...80	304191 ☞	304193 ☞	304194 ☞

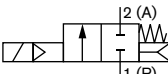
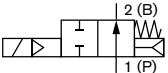
## Discharge valve for compressor systems CF05

Circuit function	Port connection	Orifice [mm]	K <sub>v</sub> value water [m <sup>3</sup> /h]	Pressure range for liquids [bar]	Pressure range for gases [bar]	Article no. per voltage/frequency [V/Hz]		
						024/DC	024/50	230/50
<b>Seals PTFE+FKM</b>								
<b>B, solenoid valve</b> 2/2 way servo-controlled, normally open	G ½	12	2.0	1...40	1...40	301723	308781	308783
								

## ATEX/IECEX with 3-meter cable

## Note:

- Please note that the cable plug has to be ordered separately, see [“7.4. Ordering chart accessories” on page 20](#) or separate data sheet **Type 2513** ▶.
- The pressure values for liquid media are shown on the rating plate!

Circuit function	Port connection	Orifice [mm]	K <sub>v</sub> value water [m <sup>3</sup> /h]	Pressure range for liquids [bar]	Pressure range for gases [bar]	Article no. per voltage/frequency [V/Hz]	
						024/UC	230/UC
<b>Seals PTFE+FKM</b>							
<b>A, solenoid valve</b> 2/2 way servo-controlled, normally closed	G ½	12	2.0	1...50	1...50	349290	349292
	G ¾	20	7.0	1...25	1...32	349294	349296
	G 1	25	10.0	1...25	1...32	349300	349301
							
<b>B, solenoid valve</b> 2/2 way servo-controlled, normally open	G ½	12	2.0	1...32	1...32	349302	349304
	G ¾	20	7.0	1...25	1...25	349307	349309
	G 1	25	10.0	1...25	1...25	349310	349313
							

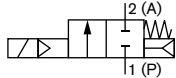
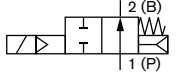
## Explosions protected approvals

ATEX:	PTB 14 ATEX 2023 X II 2G Ex mb IIC T4 Gb II 2D Ex mb IIIC T130 °C Db	IECEX:	IECEX PTB 14.0049 X Ex mb IIC T4 Gb Ex mb IIIC T130 °C Db
-------	--	--------	---



**ATEX/IECEX terminal box**

**Note:**

- Please note that the cable plug has to be ordered separately, see “7.4. Ordering chart accessories” on page 20 or separate data sheet **Type 2513** ▶.
- The pressure values for liquid media are shown on the rating plate!

Circuit function	Port connection	Orifice [mm]	K <sub>v</sub> value water [m <sup>3</sup> /h]	Pressure range for liquids [bar]	Pressure range for gases [bar]	Article no. per voltage/frequency [V/Hz]	
						024/UC	230/UC
<b>Seals PTFE+FKM</b>							
<b>A, solenoid valve</b> 2/2 way servo-controlled, normally closed  	G 1/2	12	2.0	1...50	1...50	349289	349293
	G 3/4	20	7.0	1...25	1...32	349295	349297
	G 1	25	10.0	1...25	1...32	349299	349297
<b>B, solenoid valve</b> 2/2 way servo-controlled, normally open  	G 1/2	12	2.0	1...32	1...32	349303	349305
	G 3/4	20	7.0	1...25	1...25	349306	349308
	G 1	25	10.0	1...25	1...25	349311	349312

Explosions protected approvals			
ATEX:	PTB 15 ATEX 1011U	IECEX:	PTB 15.0037U


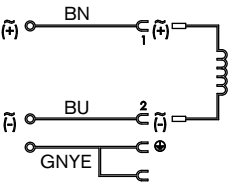
Further versions on request	
	<b>Approvals</b> UL, cURus for coil system, Hazardous Locations Expl. proof, EEx m/ed, versions for oxygen applications
	<b>Voltage</b> 110/50, non-standard voltages

**7.4. Ordering chart accessories**

**Cable plug Type 2513, form A acc. to DIN EN 175301 - 803**




**Note:**

- The Cable plug Type 2513 meets the requirements of ATEX category 3 GD.
- For more information on the cable plug, see data sheet **Type 2513** ▶.

Cable plug	circuit diagram	Cable length [mm]	Article no.
		12000	260893
		5000	260892
		3000	260891
		300	260890

**Accessories for ATEX/IECEX terminal box****Note:**

- A cable gland in polyamide version is included in the delivery. A nickel-plated brass version can be ordered at surcharge.
- For more information on Ex cable glands, see [“6.1. Cable glands for ATEX/IECEX terminal box” on page 15.](#)

Description	Article no.
Ex cable gland, brass, nickelplated, 6...13 mm <sup>1.)</sup>	773278 
Ex cable gland, polyamide, 7...13 mm <sup>1.)</sup>	773277 
Set SC02-AC10: Special wrench <sup>2.)</sup> incl. service manual	293488 

1.) Cable diameter

2.) Not included in the scope of delivery of the valve

# Bürkert – Close to You

For up-to-date addresses  
please visit us at  
[www.burkert.com](http://www.burkert.com)

DTS 1000011017 EN Version: P Status: RL (released | freigegeben | validé) printed: 13.08.2019

