DATA SHEET

Type 6240

bürkert
FLUID CONTROL SYSTEMS

Servo-assisted 2/2-way piston valve

- Servo-assisted and compact piston valve with diameter of up to DN 13
- Vibration-resistant , screwed coil system
- Increased leak-tightness with welded plunger guiding tube
- Safe opening with hard-coupled piston system
- Explosion proof versions

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 according to
DIN EN 175301-803

Type 2513 ▸
Cable plug,
form A according to
DIN EN 175301-803

Type description

The 6240 valve is a servo-assisted piston valve. The stopper and plunger guiding tube are welded together to enhance pressure resistance and leak-tightness. Various seal material combinations are available depending on the application. The housing design and surface quality enable maximum flow rates. The coils are moulded with chemically resistant epoxy. An optional sliding ring bearings increases the life cycle with dry gases.

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Visit product website ▸

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1. General technical data

Product properties	
Dimensions	Detailed information can be found in chapter "4. Dimensions" on page 7.
Material	
Body	Brass, stainless steel
Coil	Epoxy
Orifice	DN 6, DN 12, DN 13 (steam version)
Circuit function	Detailed information can be found in chapter "2. Circuit functions" on page 4.
Thermal insulation class of solenoid coil	H
Performance data	
Duty cycle	100 % continuous rating
Switching time[1.)]	
Standard version DN 6	Opening: 10…20 ms Closing: 40…50 ms
Standard version DN 12	Opening: 20…40 ms Closing: 80…100 ms
Steam version DN 13	Opening: 80…100 ms Closing: 200…300 ms
High pressure version MX31 and MX32	Opening: 100…200 ms Closing: 300…600 ms
Electrical data	
Electrical power consumption	Detailed information can be found in chapter "5.1. Power consumption" on page 12.
Voltage tolerance	±10 %
Medium data	
Operating medium (High temperature version)	Neutral gases and liquids, such as e.g. compressed air, water, hydraulic oil, steam and hot mediums
Medium temperature	**Seat seal/Oexternal seal**
Standard version	FKM/FKM: -10 °C…+140 °C EPDM/EPDM: -30 °C…+120 °C PTFE/FKM: -10 °C…+140 °C
Standard version high temperature	PTFE/PEEK DN 6: -40 °C…+180 °C PTFE/PEEK DN 12: -40 °C…+140 °C
Steam version DN 13	FKM/FKM: 0 °C…+140 °C
Approval DIN EN 161 (PO17)	NBR/NBR (PO17): -10 °C…+80 °C
High pressure version up to 250 bar (MX32) or 160 bar (MX31)	PCTFE/FKM: -10 °C…+80 °C PCTFE/EPDM: -30 °C…+80 °C PCTFE/PEEK: -40 °C…+80 °C
Viscosity (max.)	Max. 21 mm^2/sec
Approvals and certificates	
Degree of protection	IP65 with cable plug, X/IECEx junction box version and cable connection version NEMA 4x with cable plug Type 2518 or Type 2509 with stainless steel versions (other versions on request)
Process/Port connection & communication	
Electrical connection	Tag connector acc. DIN EN 175 301-803 form A for cable plug Type 2518 Detailed information can be found in chapter "Cable plug Type 2518, form A according to DIN EN 175301-803" on page 21.
Port connections	G ¼, G ⅜, G ½ (NPT and Rc on request), steam version DN 13 also in G ⅜
Environment and installation	
Installation position	As required, preferably with actuator upright
Ambient temperature	Max. 55 °C

1.) Measurement at 6 bar and +20 °C at the valve outlet, opening: pressure build-up 0…90 %, closing: pressure reduction 100…10 %

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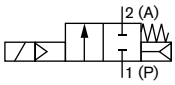
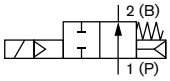
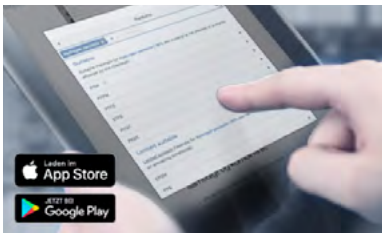
2. Circuit functions

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

3. Materials

3.1. Chemical Resistance Chart – Bürkert resistApp



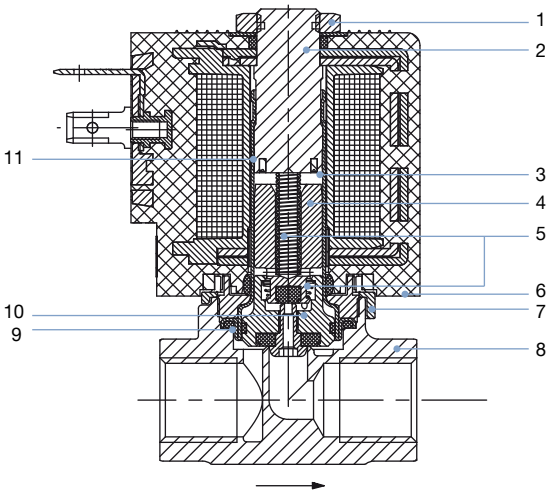
Bürkert resistApp – Chemical Resistance Chart

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. Material specifications

Standard version



No.	Element	Material
1	Nut	Steel (surface finish thick film passivated) (Brass version) Stainless steel 1.4305 PTFE (Stainless steel version)
2	Stopper	1.4113
3	Armature guide tube	1.4303
4	Guide ring	PTFE coal-filled
5	Springs	1.4310
6	Coil	Epoxy
7	Safety lock	PPS
8	Body	Brass/stainless steel 1.4404
9	Seal facing outwards	FKM/EPDM/PEEK (high temperature version)
10	Piston complete	Brass/stainless steel 1.4305 Stainless steel PEEK PTFE coal-filled FKM/EPDM/PTFE (PTFE for high temperature and PTFE/FKM for high pressure versions)
11	Shading ring	Copper/silver

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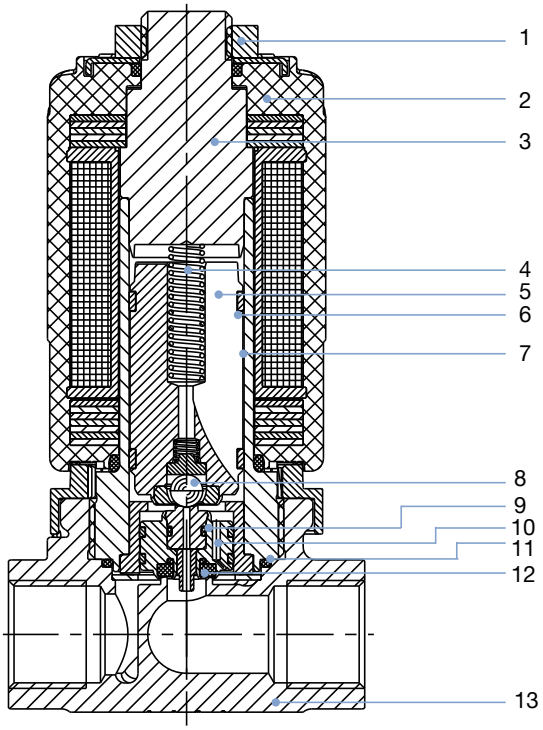
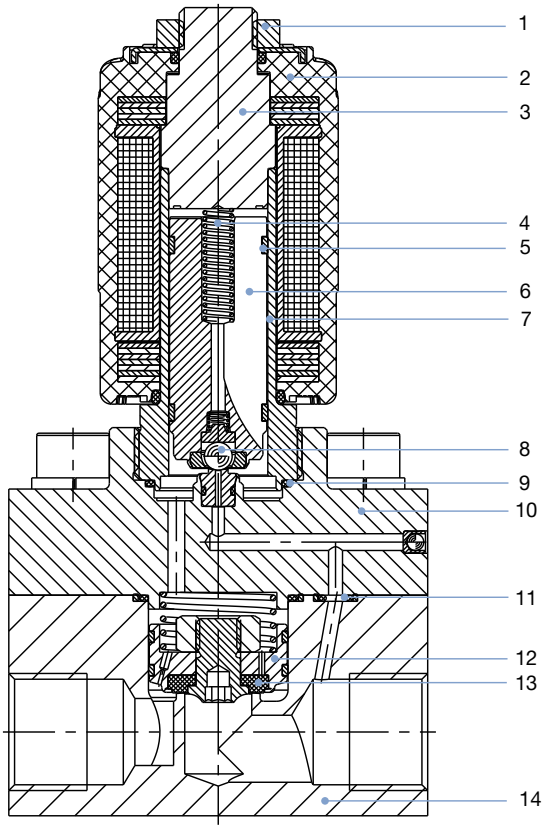
High pressure version up to 250 bar (MX32) or 160 bar (MX31) – DN 6



No.	Element	Material
1	Nut	1.4305
2	Coil	Epoxy
3	Stopper	1.4523
4	Spring	1.4310
5	Core coupling	1.4113, 1.4305
6	Glide ring	PTFE coal-filled
7	Guide tube	1.4571
8	Core seal	Ceramic ball
9	Piston coupling	1.4305, PEEK, PTFE coal-filled
10	Piston guide	1.4305
11	Seal	FKM, EPDM
12	Seat seal	PCTFE
13	Body	Stainless steel 1.4404

High pressure version up to 250 bar (MX32) – DN 12



No.	Element	Material
1	Nut	1.4305 PTFE coated
2	Coil	Epoxy
3	Stopper	1.4523
4	Spring	1.4310
5	Glide ring	PTFE coal-filled
6	Core coupling	1.4113, 1.4305
7	Guide tube	1.4571
8	Core seal	Ceramic ball
9	Outer seal	FKM, EPDM
10	Flange coupling	Stainless steel 1.4404, PEEK, FKM/EPDM
11	Outer seal	FKM, EPDM
12	Piston coupling	1.4305, PTFE coal-filled
13	Seat seal	PCTFE
14	Body	Stainless steel 1.4404

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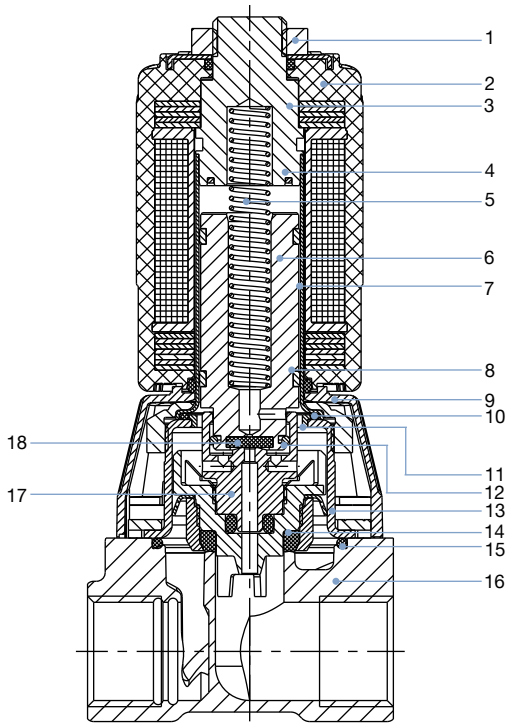
Steam version (NA67) – DN 13



No.	Element	Material
1	Nut	1.4305
2	Coil	Epoxy
3	Stopper	1.4105
4	Shading ring	Silver
5	Spring	1.4310
6	Core	1.4113
7	Guide tube	1.4303
8	Glide ring	PTFE coal filled
9	Cover	PA6
10	Seal	FKM
11	Support ring	PPS Fortron
12	Coupling ring	PEEK
13	Holding cap	1.4301
14	Seat gasket	FKM
15	Outer seal	FKM
16	Body	Brass, stainless steel 1.4408
17	Piston coupling	1.4401, PPS Fortron, PTFE, PEEK, FKM
18	Core seal	FKM

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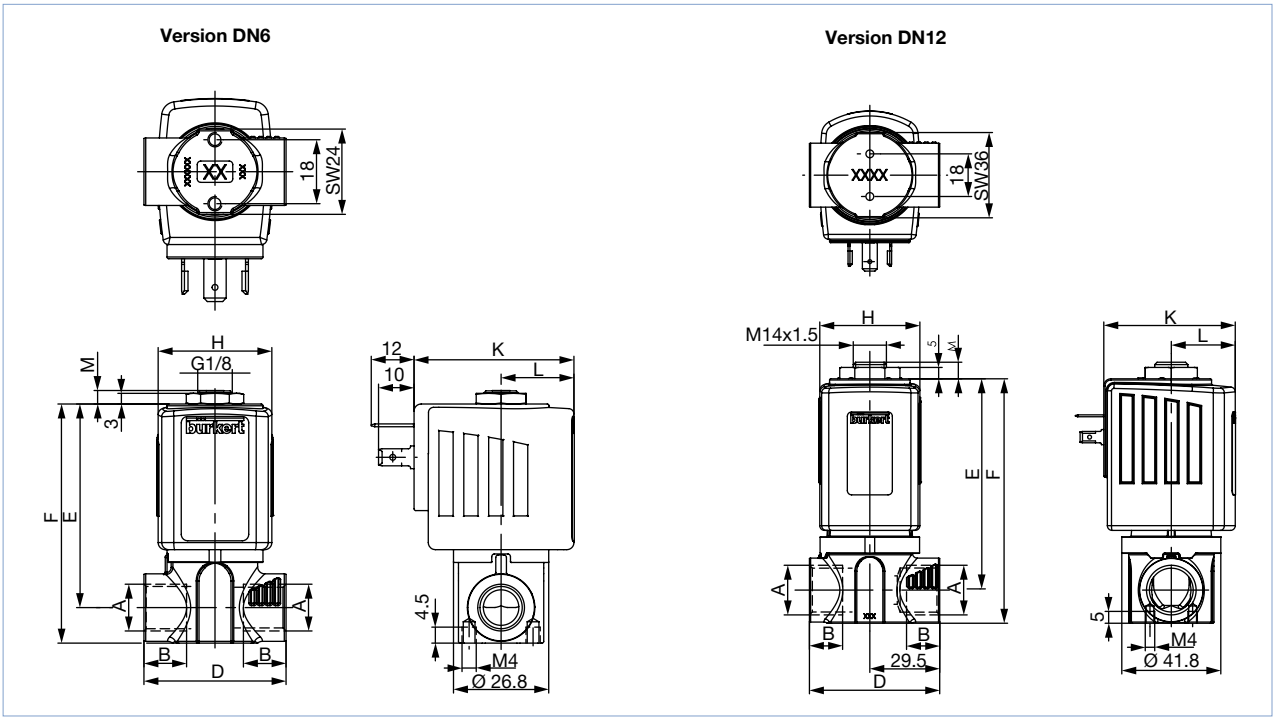
4. Dimensions

4.1. Standard version

Note:
Dimensions in mm



A (Body connection)	B	D	E	F	M	H	K	L
DN 6								
G ¼	12	40	57.3	67.3	3.7	32	45	20.5
NPT ¼	10							
RC ¼	9.7							
G ⅜	12	50	58.3	70.3				
NPT ⅜	10.3							
RC ⅜	10.1							
G ¼	12	40	57.3	67.3	3.7	40	51	23.5
NPT ¼	10							
RC ¼	9.7							
G ⅜	12	50	58.3	70.3				
NPT ⅜	10.3							
RC ⅜	10.1							
DN 12								
G ½	14	55	89	103	7.5	42	55.5	27
NPT ½	13.7							
RC ½	13.2							

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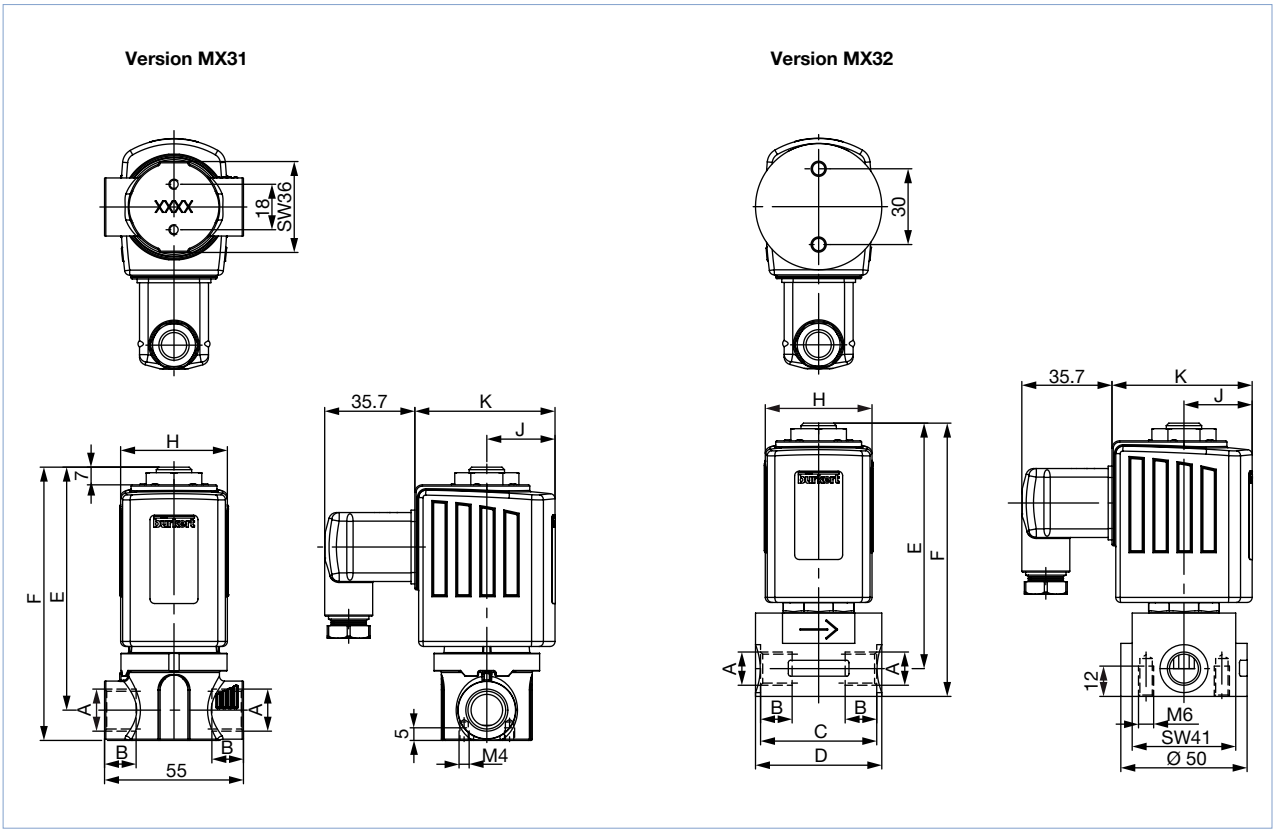
4.2. High pressure version up to 250 bar (MX32) or 160 bar (MX31) – DN 6

Note:
Dimensions in mm



A	B	E	F
G ¼	13	95.2	105.2
NPT ¼	10	95.2	105.2
G ⅜	12	96.2	108.2
NPT ⅜	10.3	96.2	108.2

Coil size	H	J	K
K	42	27	55.5
L	65	37.5	72

A	B	C	D	E	F
G ¼	13	46	Ø 50	97.2	108.2
NPT ¼	10	46	Ø 50	97.2	108.2
G ⅜	12.5	44	44.4	98.7	111.2
NPT ⅜	10.3	44	44.4	98.7	111.2

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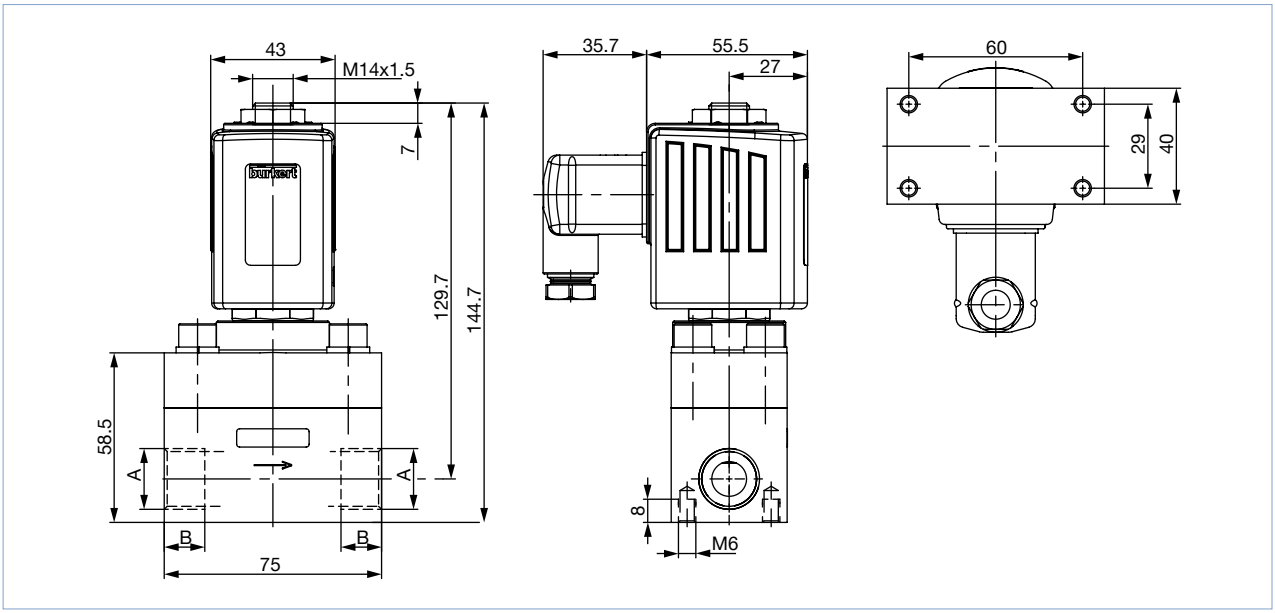
4.3. High pressure version up to 250 bar (MX32) – DN 12

Note:
Dimensions in mm



A	B
G ½	14
NPT ½	13.7

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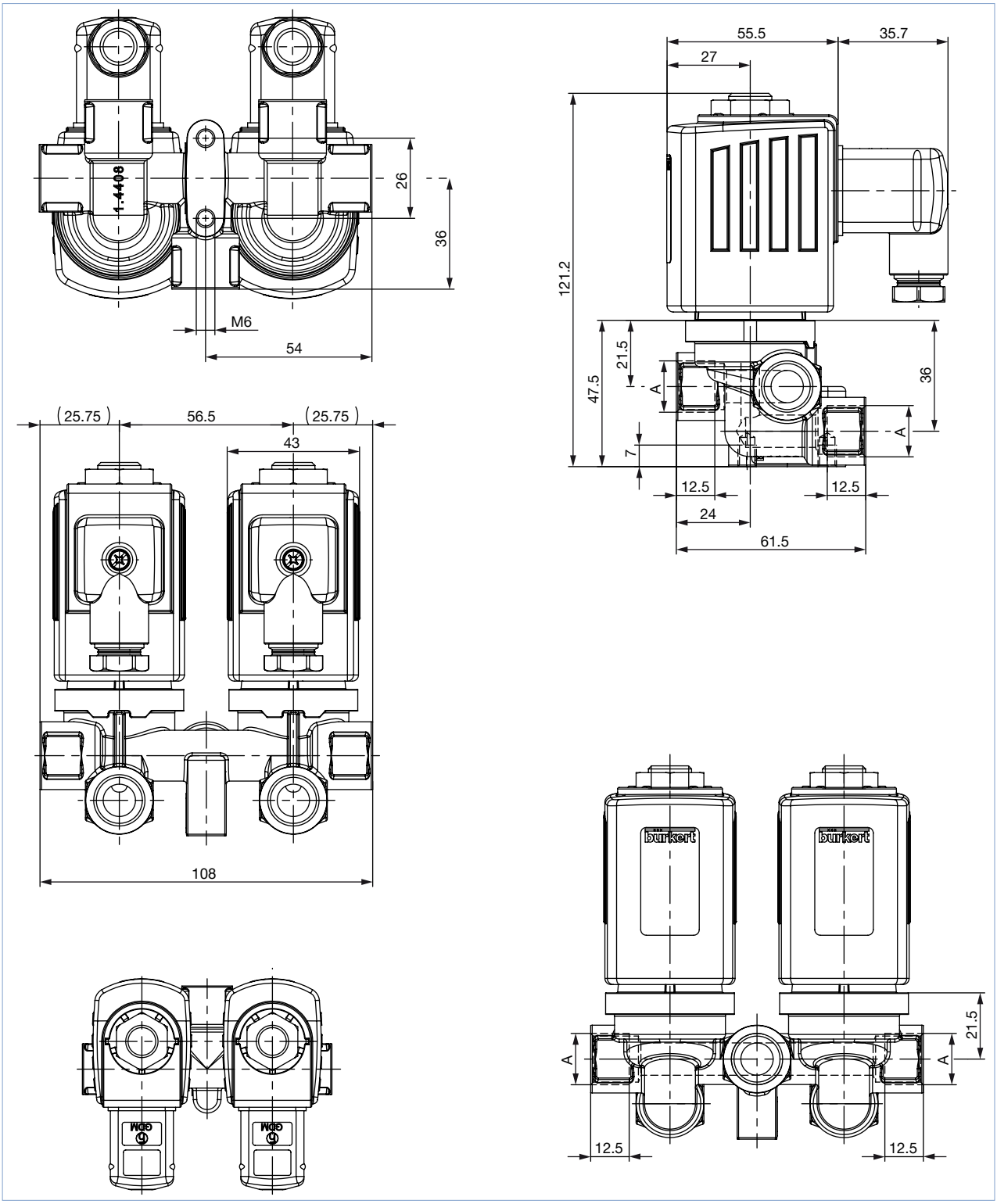
4.4. Version for self-service car wash up to 160 bar (MX31) – Type 8820 - 6240

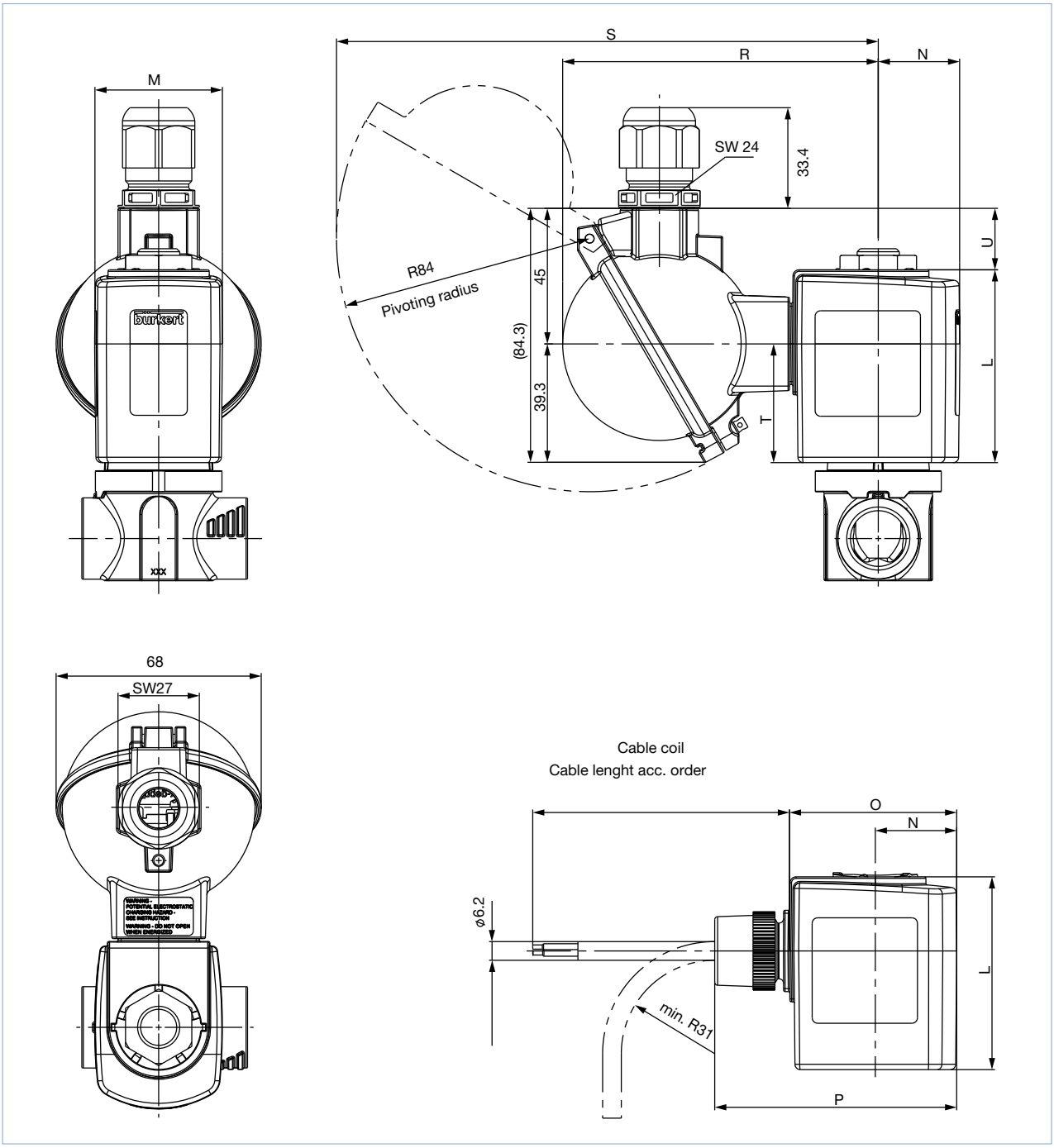
Note:
Dimensions in mm



Version	A
AH40	G ¼
AH37	G ⅜

4.5. ATEX/IECEx version (PX58, PX38 and PX39)

Note:
Dimensions in mm



Var. Code	Coil size	M	N	O	P	L	R	S	T	U
PX32	6	40	23.5	52	74.8	41.3	102.8	177.5	26	29.7
PX38	K	42	27	55.5	80.3	64	104.8	179.8	39.4	20.4
PX39	L	65	37.5	72	97	64	110.8	185.8	39.4	20.4

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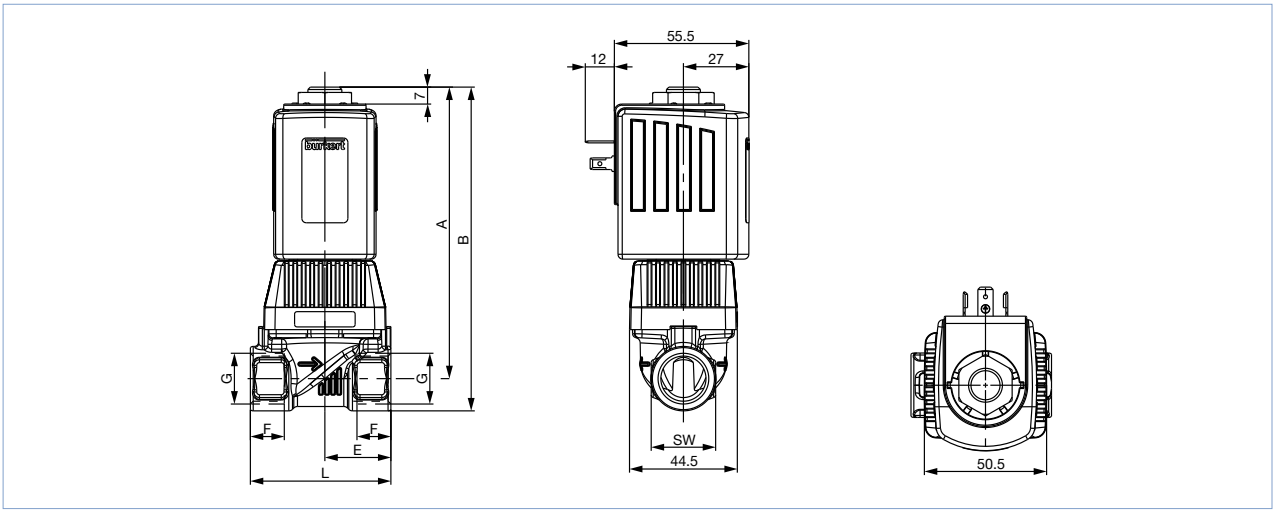
4.6. DN 13 version

Note:

- Dimensions in mm
- The dimensions F1 and G 1 apply to G-threads
- The dimensions F2 and G 2 apply to NPT-threads
- The dimensions F3 and G 3 apply to Rc-threads



Material	DN	A	B	E	F1	G 1	F2	G 2	F3	G 3	L	SW
Brass	13	120.35	133.85	27.25	14	G ½	13.7	NPT ½	13.2	Rc ½	58	27
Stainless steel	13	120.35	133.85	32.5	14	G ½	13.7	NPT ½	13.2	Rc ½	65	27
Brass and stainless steel	13	122.35	138.35	32.5	16	G ¾	14	NPT ¾	14.5	Rc ¾	65	32

5. Performance specifications

5.1. Power consumption

Note:
The Kick and Drop coil (AC/DC) features integrated electronics for short-term power increase and decrease in double coil technology.

Coil size	AC			DC		Kick and Drop coil (AC/DC)		
	Inrush	Hold		Cold	Warm	Cold Inrush	Cold Hold	Warm Hold
[mm]	[VA]	[VA]	[W]	[W]	[W]	[W] 500 ms	[W]	[W]
32 (5)	32	18	8	12	10	–	–	–
40 (6)	40	23	10	14	12	–	–	–
40 (6) ATEX	–	–	–	9	7.5	–	–	–
42 (K)	150	37	16	21	16	85	8.5	7
42 (K) ATEX	–	–	–	15	12	44	6.5	5.5
65 (L)	–	–	–	28	21	–	–	–

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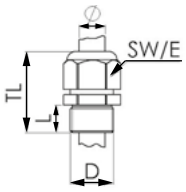
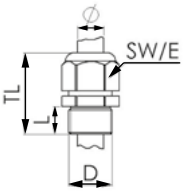
6. Product accessories

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, see "7.14. Ordering chart accessories" on page 21.

Description	Ex-Approval		Dimensions	
	Certification	Identification		
Ex cable gland, Brass, nickel-plated, 6…13 mm 	PTB 04 ATEX 1112 X, IECEx PTB 13.0027X	II 2 G Ex e IIC Gb, I 2 D Ex tb IIIC Db IP68		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		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 "Cable glands for ATEX/IECEx terminal box" on page 22.

Set SC02-AC10	
	**Set includes:** • Special wrench • Service manual

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7. Ordering information

7.1. Bürkert eShop – Easy ordering and quick delivery

Bürkert eShop – Easy ordering and quick delivery

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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.

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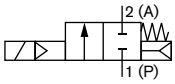
7.3. Ordering chart standard version

Note:

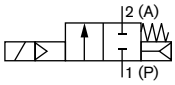
- Please note that the cable plug must be ordered separately, see **"Cable plug Type 2518, form A according to DIN EN 175301-803" on page 21** or separate data sheet **Type 2518** ▶.
- Further variants with alternative voltages, NPT or RC internal thread, seal material EPDM/EPDM available on request.

Circuit function	Port connection	Orifice	K_v value water	Pressure range	Coil size	Article no.		
						024/DC	024/50	230/50
		[mm]	[m³/h]	[bar]	[mm]	[V/Hz]	[V/Hz]	[V/Hz]
G internal thread, seal material FKM/FKM								
A, solenoid valve 2/2-way Servo-controlled Normally closed 	**Brass body**							
	G ¼	6.0	0.6	0…16	32	177800	177801	177802
	G ⅜	6.0	0.6	0…16	32	177803	177804	177805
	Stainless steel body							
	G ¼	6.0	0.6	0…16	32	177806	177807	177808
	G ½	12.0	2.2	0…16	42	238632	238633	238634

7.4. Ordering chart high temperature version

Note:

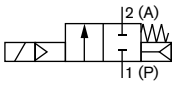
- Please note that the cable plug must be ordered separately, see "Cable plug Type 2518, form A according to DIN EN 175301-803" on page 21 or separate data sheet **Type 2518** ▶.
- Further variants with alternative voltages, NPT or RC internal thread available on request.

Circuit function	Port connection	Orifice	K_v value water	Pressure range	Coil size	Article no.		
						024/DC	024/50	230/50
		[mm]	[m³/h]	[bar]	[mm]	[V/Hz]	[V/Hz]	[V/Hz]
G internal thread, stainless steel body, seal material PTFE/PEEK								
A, solenoid valve 2/2-way Servo-controlled Normally closed 	**Medium temperature -40…+180 °C**							
	G ¼	6.0	0.6	0…16	32	184739	184740	184741
	Medium temperature -40…+140 °C							
	G ½	12.0	2.2	0…25	42	238638	238639	238640

7.5. Ordering chart increased pressure range (MW06)

Note:

- Please note that the cable plug must be ordered separately, see "Cable plug Type 2518, form A according to DIN EN 175301-803" on page 21 or separate data sheet **Type 2518** ▶.
- Further variants with alternative voltages, NPT or RC internal thread available on request.

Circuit function	Port connection	Orifice	K_v value water	Pressure range		Coil size	Article no.		
				Liquids	Gases		024/DC	024/50	230/50
		[mm]	[m³/h]	[bar]	[bar]	[mm]	[V/Hz]	[V/Hz]	[V/Hz]
G internal thread, brass body, seal material PTFE/FKM									
A, solenoid valve 2/2-way Servo-controlled Normally closed 	**Medium temperature -40…+180 °C**								
	G ¼	6.0	0.6	0…25	0…40	40	184742	184743	184744
	G ⅜	6.0	0.6	0…25	0…40	40	184745	184746	184747

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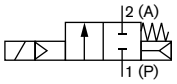
7.6. Ordering chart version DIN EN 161 automatic shut-off valves for gas burners

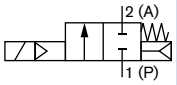
Note:
Further variants with alternative voltages, body material and connection combinations are available on request.

Circuit function	Port connection	Orifice	K_V value water	Pressure range gas	Body material	Coil size	Article no.		
							024/DC	024/50	230/50
		[mm]	[m³/h]	[bar]	[bar]	[mm]	[V/Hz]	[V/Hz]	[V/Hz]
G internal thread, brass body, seal material NBR/NBR									
A, solenoid valve 2/2-way Servo-controlled Normally closed 	G ¼	6.0	0.6	0…5	Brass	32	253501	On request	287855
	G ½	12.0	2.2	0…5	Stainless steel	42	253502	On request	287438

7.7. Ordering chart high pressure version DN 6 – pressure ranges up to 160 bar (MX31)

Note:

- The Kick and Drop coil (AC/DC) features integrated electronics for short-term power increase and decrease in double coil technology.
- Further variants with alternative voltages, NPT or RC internal thread, seal materials are available on request.
- For the following table applies: Orifice 6.0 and K_V-value water [m³/h] 0.75.
- Due to the wear-resistant PCTFE seat seals, a seat tightness of <2 cm³/min (air 20 °C) is guaranteed from a differential pressure of 20 bar or higher.

Circuit function	Port connection	Pressure difference range						Coil size	Article no.		
		Water		Oil		Air			024/DC	024/50	230/50
		DC	AC	DC	AC	DC	AC				
		[bar]	[bar]	[bar]	[bar]	[bar]	[bar]	[mm]	[V/Hz]	[V/Hz]	[V/Hz]
G internal thread, stainless steel body, seal material PCTFE/FKM, cable plug with integrated rectifier for AC included in delivery											
A, solenoid valve 2/2-way Servo-controlled Normally closed 	G ¼	1…100	1…100	1…80	1…80	1…100	1…100	42	300602	–	300603
	G ¼	–	1…90	–	1…60	–	1…90	42	–	318327	–
	G ⅜	1…120	1…120	1…80	1…80	1…120	1…120	42	323476	–	323477
	G ⅜	–	1…90	–	1…60	–	1…90	42	–	323478	–

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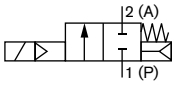
7.8. Ordering chart high pressure version DN 6 – pressure ranges up to 250 bar (MX32)

Note:

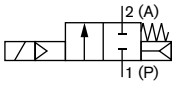
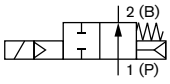
- The Kick and Drop coil (AC/DC) features integrated electronics for short-term power increase and decrease in double coil technology.
- Further variants with alternative voltages, NPT or RC internal thread, seal materials are available on request.
- For the following table applies: Orifice 6.0 and K_V-value water [m³/h] 0.75.
- Due to the wear-resistant PCTFE seat seals, a seat tightness of <2 cm³/min (air 20 °C) is guaranteed from a differential pressure of 20 bar or higher.

Circuit function	Port connection	Pressure difference range						Coil size	Article no.		
		Water		Oil		Air			024/DC	024/ AC/DC	230/AC
		DC	AC	DC	AC	DC	AC				
		[bar]	[bar]	[bar]	[bar]	[bar]	[bar]	[mm]	[V/Hz]	[V/Hz]	[V/Hz]
G internal thread, stainless steel body, seal material PCTFE/FKM											
A, solenoid valve 2/2-way Servo-controlled Normally closed 	G ¼	1…230	–	1…200	–	1…250	–	65	319700	–	–
	G ¼	–	1…230	–	1…200	–	1…250	42 (Kick and Drop)	–	323479	323480
	G ⅜	1…230	1…120	1…200	–	1…250	–	65	323481	–	–
	G ⅜	–	1…230	–	1…200	–	1…250	42 (Kick and Drop)	–	323482	323483

7.9. Ordering chart high pressure version DN 12 – pressure range up to 250 bar (MX32)

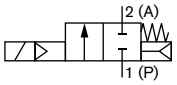
Note:

- Further variants with alternative voltages, NPT or RC internal thread, seal materials are available on request.
- For the following table applies: Orifice 12.0 and K_V-value water [m³/h] 2.2.
- Due to the wear-resistant PCTFE seat seals, a seat tightness of <2 cm³/min (air 20 °C) is guaranteed from a differential pressure of 20 bar or higher.

Circuit function	Port connection	Pressure difference range						Coil size	Article no.		
		Water		Oil		Air			024/DC	024/50	230/50
		DC	AC	DC	AC	DC	AC				
		[bar]	[bar]	[bar]	[bar]	[bar]	[bar]	[mm]	[V/Hz]	[V/Hz]	[V/Hz]
G internal thread, stainless steel body, seal material PCTFE/FKM, cable plug with integrated rectifier for AC included in delivery											
A, solenoid valve 2/2-way Servo-controlled Normally closed 	G ½	1…250	1…250	1…250	1…250	1…250	1…250	42	312895	–	314877
	G ½	1…250	1…250	1…200	1…200	1…250	1…250	42	–	323484	–
B, solenoid valve 2/2-way Servo-controlled Normally open 	G ½	1…200	1…200	1…150	1…150	1…250	1…250	42	314875	323485	323486

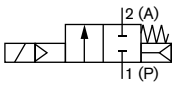
7.10. Ordering chart version self-service car wash 160 bar (MX31) – Type 8820 - 6240

Note:
Further variants with alternative voltages, NPT or RC internal thread available on request.

Circuit function	Port connection	Orifice single valve	K_V-value water single valve	Pressure difference range	Coil size	Article no.	
						024/DC	230/50
		[mm]	[m³/h]	[bar]	[mm]	[V/Hz]	[V/Hz]
Seal material PCTFE/FKM							
A, solenoid valve 2/2-way Servo-controlled Normally closed 	**Stainless steel body**						
	G ¼	6.0	0.75	1…120	42	333330	333331
	G ⅜	6.0	0.75	1…120	42	360692	320736

7.11. Ordering chart steam version DN 13

Note:
Further variants with alternative voltages, NPT or RC internal thread available on request.

Circuit function	Port connection	Orifice	K_V-value water	Pressure range steam	Coil size	Article no.	
						024/50	230/50
		[mm]	[m³/h]	[bar]	[mm]	[V/Hz]	[V/Hz]
Seal material FKM/FKM							
A, solenoid valve 2/2-way Servo-controlled Normally closed 	**Brass body**						
	G ½	13.0	3.3	0…4	42	315069	244912
	G ¾	13.0	3.3	0…4	42	315072	244915
	Stainless steel body						
	G ½	13.0	3.3	0…4	42	323434	323436
	G ¾	13.0	3.3	0…4	42	323437	323438

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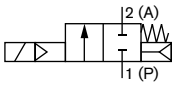
7.12. Ordering chart ATEX/IECEx cable version

Standard version

Note:

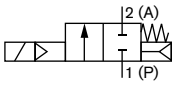
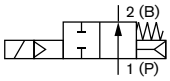
- The Kick and Drop coil (AC/DC) features integrated electronics for short-term power increase and decrease in double coil technology.
- Further variants with alternative voltages, NPT or RC internal thread, seal materials are available on request.

Circuit function	Port connection	Orifice	K_V-value water	Pressure range	Coil size	Article no.	
						024 / AC/DC	230/AC
		[mm]	[m³/h]	[bar]	[mm]	[V/Hz]	[V/Hz]
G internal thread, seal material FKM/FKM							
A, solenoid valve 2/2-way Servo-controlled Normally closed 	**Brass body**						
	G ¼	6.0	0.6	0…16	40	349315	349316
	G ⅜	6.0	0.6	0…16	40	349318	349320
	Stainless steel body						
	G ¼	6.0	0.6	0…16	40	349322	349324
	G ⅜	6.0	0.6	0…16	40	349326	349329
	G ½	12.0	2.2	0…10	42	380838	380844
	G ½	12.0	2.2	0…25	42 (Kick and Drop)	380841	380846

High pressure version up to 250 bar (MX32) or 160 bar (MX31)

Note:

- The Kick and Drop coil (AC/DC) features integrated electronics for short-term power increase and decrease in double coil technology.
- Further variants with alternative voltages, NPT or RC internal thread, seal material EPDM/EPDM available on request.

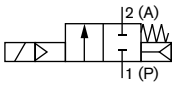
Circuit function	Port connection	Orifice	K_V-value water	Pressure difference range			Coil size	Article no.	
				Water	Oil	Air		024 / AC/DC	230/AC
		[mm]	[m³/h]	[bar]	[bar]	[bar]	[mm]	[V/Hz]	[V/Hz]
G internal thread, stainless steel body, seal material PCTFE/FKM									
A, solenoid valve 2/2-way Servo-controlled Normally closed 	**Pressure rating up to 160 bar**								
	G ¼	6.0	0.6	1…160	1…120	1…160	42 (Kick and Drop)	380808	380810
	G ⅜	6.0	0.6	1…160	1…120	1…160	42 (Kick and Drop)	380812	380813
	Pressure rating up to 250 bar								
	G ½	12.0	2.2	1…200	1…150	1…250	42	380820	380825
	G ½	12.0	2.2	1…250	1…250	1…250	42 (Kick and Drop)	380823	380826
B, solenoid valve 2/2-way Servo-controlled Normally open 	G ½	12.0	2.2	1…200	1…150	1…250	42 (Kick and Drop)	380849	380851

7.13. Ordering chart ATEX/IECEx terminal box version

Standard version

Note:

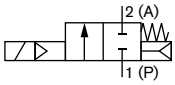
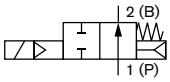
- The Kick and Drop coil (AC/DC) features integrated electronics for short-term power increase and decrease in double coil technology.
- Further variants with alternative voltages, NPT or RC internal thread, seal materials are available on request.

Circuit function	Port connection	Orifice	K_V-value water	Pressure range	Coil size	Article no.	
						024 / AC/DC	230/AC
		[mm]	[m³/h]	[bar]	[mm]	[V/Hz]	[V/Hz]
G internal thread, seal material FKM/FKM							
A, solenoid valve 2/2-way Servo-controlled Normally closed 	**Brass body**						
	G ¼	6.0	0.6	0…16	40	349314	349317
	G ⅜	6.0	0.6	0…16	40	349319	349321
	Stainless steel body						
	G ¼	6.0	0.6	0…16	40	349323	349325
	G ⅜	6.0	0.6	0…1.5	40	349327	349328
	G ½	12.0	2.2	0…10	42	380836	380843
	G ½	12.0	2.2	0…25	42 (Kick and Drop)	380840	380845

High pressure version up to 250 bar (MX32) or 160 bar (MX31)

Note:

- Due to the wear-resistant PCTFE seat seals, a seat tightness of <2 cm³/min (air 20 °C) is guaranteed from a differential pressure of 20 bar or higher.
- Further variants with alternative voltages, NPT- or RC-internal thread, seal material PCTFE/EPDM are available on request.
- The Kick and Drop coil (AC/DC) features integrated electronics for short-term power increase and decrease in double coil technology.

Circuit function	Port connection	Orifice	K_V-value water	Pressure difference range			Coil size	Article no.	
				Water	Oil	Air		024 / AC/DC	230/AC
		[mm]	[m³/h]	[bar]	[bar]	[bar]	[mm]	[V/Hz]	[V/Hz]
G internal thread, stainless steel body, seal material PCTFE/FKM									
A, solenoid valve 2/2-way Servo-controlled Normally closed 	**Pressure rating up to up to 160 bar**								
	G ¼	6.0	0.6	1…160	1…120	1…160	42 (Kick and Drop)	380806	On request
	G ⅜	6.0	0.6	1…160	1…120	1…160	42 (Kick and Drop)	380811	On request
	Pressure rating up to up to 250 bar								
	G ½	12.0	2.2	1…200	1…150	1…250	42	380819	On request
	G ½	12.0	2.2	1…250	1…250	1…250	42 (Kick and Drop)	380821	On request
B, solenoid valve 2/2-way Servo-controlled Normally open 	G ½	12.0	2.2	1…200	1…150	1…250	42 (Kick and Drop)	380848	380850

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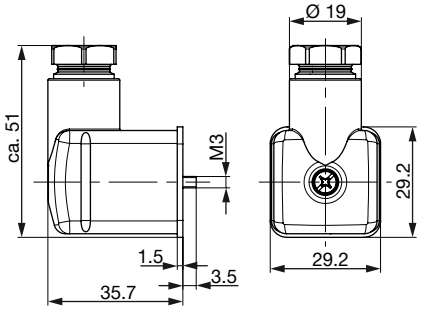
Further versions on request			
Material Seal: EPDM		**Approval** Gas transportation DIN EN 3394 - 1 UL(UL-listed) UR(UL-recognized) FDA(Food and Drug Administration) Versions for oxygen applications	
Voltage 042/50, 110/50, 240/50			
Process connection Flange connection acc. to DIN 2501 (DN 25…DN 50)			

7.14. Ordering chart accessories

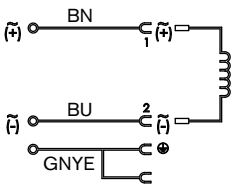
Cable plug Type 2518, form A according to DIN EN 175301 - 803

Note:
For further versions see data sheet **Type 2518** ▶.

Cable plug	Dimensions	Version	Voltage	Article no.
		Without circuitry (AC/DC)	0…250 V AC/DC	314802
		With LED (AC/DC)	12…24 V AC/DC	314812
		With LED and varistor (AC/DC)	12…24 V AC/DC	314820
		With rectifier, LED and varistor	12…24 V AC/DC	314816

Cable plug Type 2513, form A according 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

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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 surcharge.
- For more information on Ex cable glands, see "6.1. Cable glands for ATEX/IECEX terminal box" on page 13.

Description	Article no.
Ex cable gland, brass, nickel-plated, 6…13 mm[1.)]	773278
Ex cable gland, polyamide, 7…13 mm[1.)]	773277
Set SC02-AC10: special wrench[2.)] incl. service manual	293488

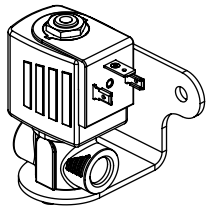
1.) Cable diameter

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

Mounting bracket for Type 6027/6240

Note:

- The scope of delivery includes the mounting bracket, two cylinder screws M4x8 and two spring rings.
- The mounting bracket can be used for all standard and high-pressure versions DN 6 MX31 up to 160 bar including ATEX/IECEx option.
- The mounting bracket cannot be used for the DN 13 version and high-pressure versions MX32 up to 250 bar made from solid material.

Description	Article no.
	282304

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