



3/2-way pressure controlled valve

NC - Valve normally closed (as standard)

NO - Valve normally open (as option)

DW - Valve with double acting actuator (as option)

Direct pressure controlled valve.

The valve seat is opened against a spring force via the control medium.

■ Valve for clean, gaseous and liquid media

TECHNICAL SPECIFICATIONS

Type of control	Direct pressure operated
Design	Poppet design
Connection	Sleeve connection G1/2 - G2 DIN ISO 228/1 (BSP)
Installation	Preferable with actuator upright
Pressure	0 - 40 bar (see table on page 2)
Medium	Clean, neutral gaseous and liquid media
Max. viscosity	600 mm ² /s
Temperature range	Medium: -40 °C / +200 °C Environment: -10 °C / +60 °C
Body material	Red brass RG5 (PN16) Stainless steel 1.4571 (G1/2 only) Stainless steel 1.4408 (PN40)
Metallic inner parts	Brass and st. steel
Sealing	PTFE
Pilot pressure	4 - 10 bar max. pressure range at min. 6 bar
Pilot medium	Clean, neutral gaseous Other pilot media on request

Pilot valve	2/131-31-1702-C182
-------------	---------------------------



3/2-way direct operated, NC
G1/8, orifice 1.5mm, 0-8 bar
Aluminum / Stainless steel / FKM
with Cnomo-coil as well as with
integrated screw connection for
easy assembly

	A7231/1002/....
--	------------------------



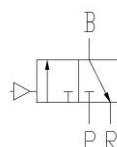
3/2-way direct operated, NC
G1/8, orifice 1.5mm, 0-8 bar
brass / st. steel / FKM

VALVE FEATURES

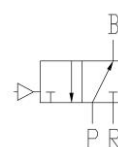
- No pressure difference required
- High life time
- High-quality materials
- Reliable and sturdy sealing elements
- Long-term availability of spare parts
- NO - non-pressurized open as option
- DW - double acting as option

FUNCTION

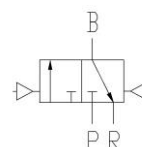
NC – non
pressurized
closed



NO – non
pressurized open



DW - double
acting



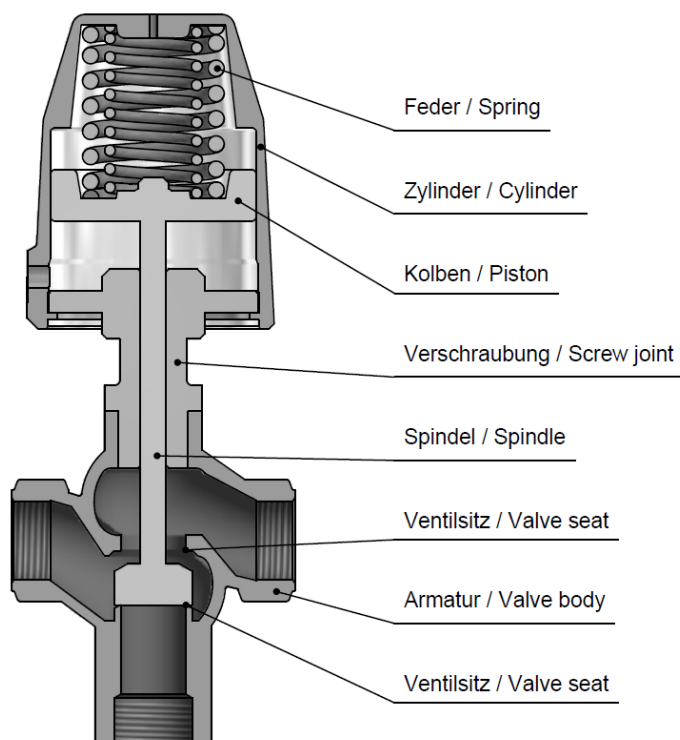
CERTIFICATES



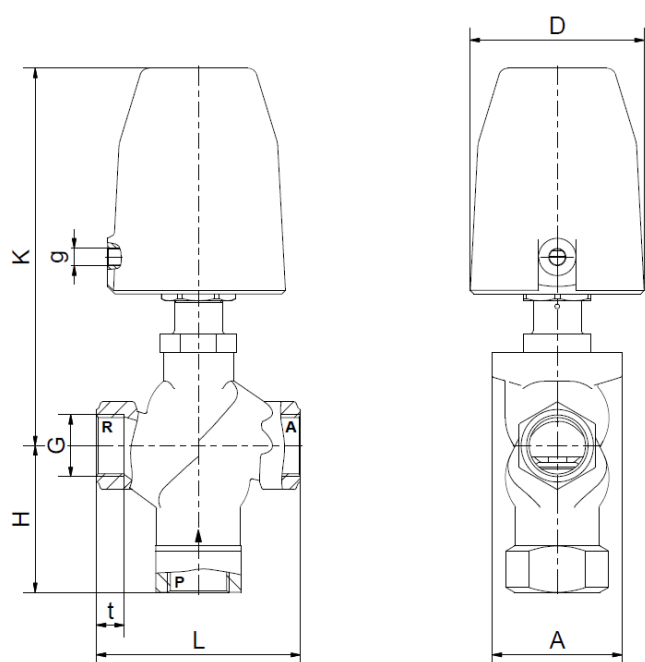
TECHNICAL FEATURES

					max. pressure with actuator					
G	Seat Ø mm	Kv-value m³/h		Standard type	7.05		7.08		7.13	
		R-A	P-A		Red brass RG5	St. steel	Red brass RG5	St. steel	Red brass RG5	St. steel
1/2	18	3,8	5,0	.7823/..04/	0-12	0-12	0-16	0-40	-	-
3/4	20	6,2	8,3	.7824/..04/	0-9	0-9	0-16	0-25	-	0-40
1	25	10,1	14,4	.7825/..04/	0-5	0-5	0-16	0-16	-	0-40
1 1/4	32	15,1	19,6	.7826/..04/	-	-	0-8	0-8	0-16	0-16
1 1/2	40	21,8	30,0	.7827/..04/	-	-	0-5	0-5	0-9	0-9
2	50	40,0	53,0	.7828/..04/	-	-	0-2	0-2	0-5	0-5

					max. pressure with actuator UN					
G	Seat Ø mm	Kv-value m³/h		Standard type	7.05-UN		7.08-UN		7.13-UN	
		R-A	P-A		Red brass RG5	St. steel	Red brass RG5	St. steel	Red brass RG5	St. steel
1/2	18	3,8	5,0	.7823/..04/	0-8	0-8	0-16	0-40	-	-
3/4	20	6,2	8,3	.7824/..04/	0-6	0-6	0-16	0-25	-	0-40
1	25	10,1	14,4	.7825/..04/	0-3	0-3	0-10	0-10	-	0-40
1 1/4	32	15,1	19,6	.7826/..04/	-	-	0-6	0-6	0-12	0-16
1 1/2	40	21,8	30,0	.7827/..04/	-	-	0-4	0-4	0-9	0-9
2	50	40,0	53,0	.7828/..04/	-	-	0-2	0-2	0-5	0-5



DIMENSIONS



Red brass RG5-Valve body

Actuat.	7.05			7.08						7.13		
Type	7823	7824	7825	7823	7824	7825	7826	7827	7828	7826	7827	7828
G	1/2	3/4	1	1/2	3/4	1	1 1/4	1 1/2	2	1 1/4	1 1/2	2
A	75	70	70	75	70	70	70	76	88	70	76	88
D	62	62	62	94	94	94	94	94	94	141	141	141
H	73	70	79	73	70	79	77	81	92	77	81	92
K	150	158	167	196	204	204	209	212	212	322	325	325
L	100	100	110	100	100	110	120	130	150	120	130	150
g	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/4	1/4	1/4
t	13	14	15	13	14	15	15	15	18	15	15	18
kg	2,3	2,4	2,9	2,5	2,6	3,2	3,8	4,5	5,8	6,5	6,9	8,5

Stainless steel-Valve body

Actuat.	7.05			7.08						7.13		
Type	7823	7824	7825	7823	7824	7825	7826	7827	7828	7826	7827	7828
G	1/2	3/4	1	1/2	3/4	1	1 1/4	1 1/2	2	1 1/4	1 1/2	2
A	54	70	70	54	70	70	96	96	112	96	96	112
D	62	62	62	94	94	94	94	94	94	141	141	141
H	33/59	67	69	33/59	67	69	85	85	102	85	85	102
K	177	148	148	223	194	194	202	202	210	296	296	304
L	69	96	96	69	96	96	140	140	168	140	140	168
g	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/4	1/4	1/4
t	14	16	16	14	16	16	22	22	22	22	22	22
kg	3,4	2,5	2,8	3,6	2,7	3,1	4,5	4,2	4,5	7,5	7,3	8,8

INFORMATION

- It is imperative to observe the installation and safety instructions in our operating and service manuals.
- Required ordering information: valve type, function NC/NO, pressure range, connection, nominal width, medium, flow rate, medium and ambient temperatures, connection voltage.
- **For information on the heating and performance of solenoid coils, refer to the corresponding "Coils" data sheet.**
- **Detailed production-specific drawings and other technical information will be made available when an order is placed.**

PLEASE NOTE

Each individual application decides which valve type is required, the main factor being the resistance of the materials to the operating medium. The correct selection of materials requires knowledge of the concentration, temperature and degree of contamination of the medium. Other criteria include the operating pressure and max. volumetric flow, since, in addition to high temperatures, high pressures and high flow rates must also be taken into account when selecting the materials.

All materials used for our valves, be it housing, seals or magnets, will be carefully selected in view of the different application areas. Any information given is non-binding and serves for orientation only. No claims under warranty can be derived therefrom.

ORDERING CODE

Type		Connection		Body		Sealing		Actuator		Option	
. 78		2 3		/ 1 1		0 4 /		7 0 0 8		- x x	
23	G 1/2	08	St.steel 1.4408	7 .	Closed wo/ press.	HA	manual override				
24	G 3/4	11	Red brass RG5	8 .	Open wo/ press.	AS	weld-on				
25	G 1			9 .	double-acting						
26	G 5/4	04	PTFE	. 0	Standard-Actuat.						
27	G 6/4			. 3	Actuat.-St.steel						
28	G 2			. 5	Actuat.nickel-pl.						
				. 5	50 mm						
				. 8	80 mm						
				. 3	125 mm						

The GSR logo is a registered trademark of GSR Ventiltechnik GmbH & Co. KG

Note: All texts and images are the property of GSR Ventiltechnik GmbH & Co. KG and must not be replicated or modified, not even in part, without written approval

Original products may differ from the product images shown, due to different materials and the like

Subject to error and changes

GSR Ventiltechnik
GmbH & Co. KG
Im Meisenfeld 1
D-32602 Vlotho
T +49 5228 779-0
info@ventiltechnik.de
www.ventiltechnik.de