



**2/2-way pressure controlled valve**  
**NC - Valve normally closed**

**Direct controlled valve.**

**No differential pressure is necessary for operation. When energized, the valve seat is opened directly.**

**In standard (NC) the valve closes with spring power.**

■ **Pressure controlled valve for high pressure applications**

## TECHNICAL SPECIFICATIONS

Type of control	Direct pressure operated
Design	Poppet design
Connection	Sleeve connection G1/4 - G1/2 (BSP) Sleeve connection 7/16 - 13/16 (UNF)
Installation	Preferable with actuator upright
Pressure	0 - 1000 bar (see table on page 2)
Medium	Clean, neutral gaseous and liquid media
max. viscosity	22 mm <sup>2</sup> /s
Temperature range	Medium: -40 °C / +80 °C Environment: -20 °C / +60 °C
Body material	St. steel 1.4404 / 1.4462 / 1.4501
Metallic inner parts	St. steel
Sealing	PEEK, metallic
Pilot pressure	4 - 10 bar
Pilot medium	Clean, neutral gaseous
<b>Pilot valve</b>	<b>A7231/1002/....</b>



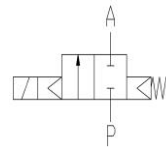
3/2-way direct operated, NC  
 G1/8, orifice 1.5mm, 0-8 bar  
 brass / st. steel / FKM

## VALVE FEATURES

- For high pressure applications up to 1000 bar
- No pressure difference required
- High life time
- Simple compact valve design
- High-quality materials
- Reliable and sturdy sealing elements

## FUNCTION

NC – non energized closed

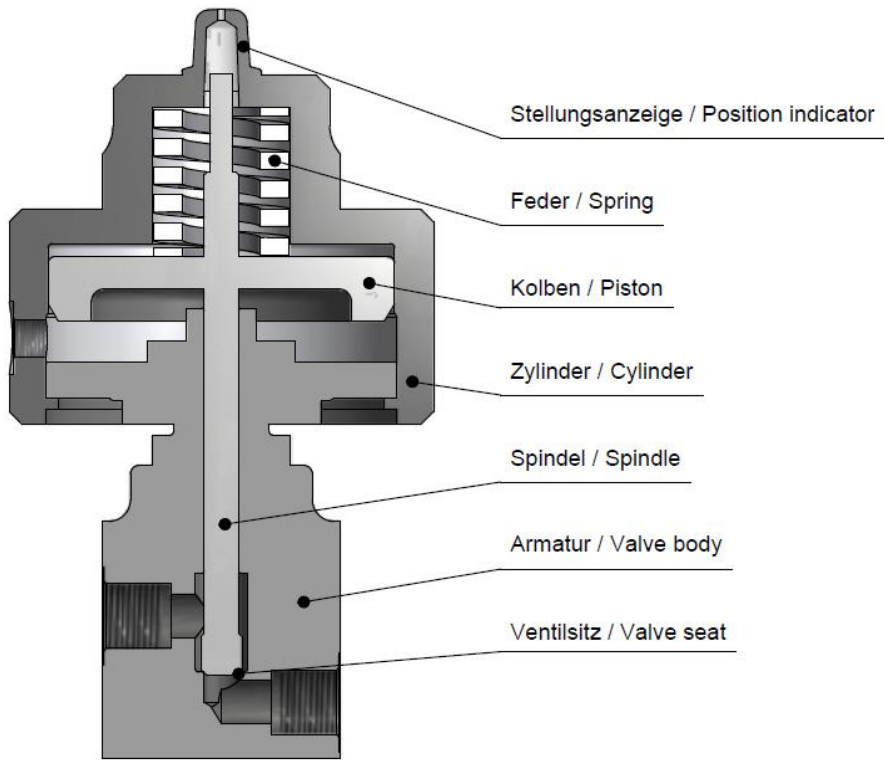


## CERTIFICATES

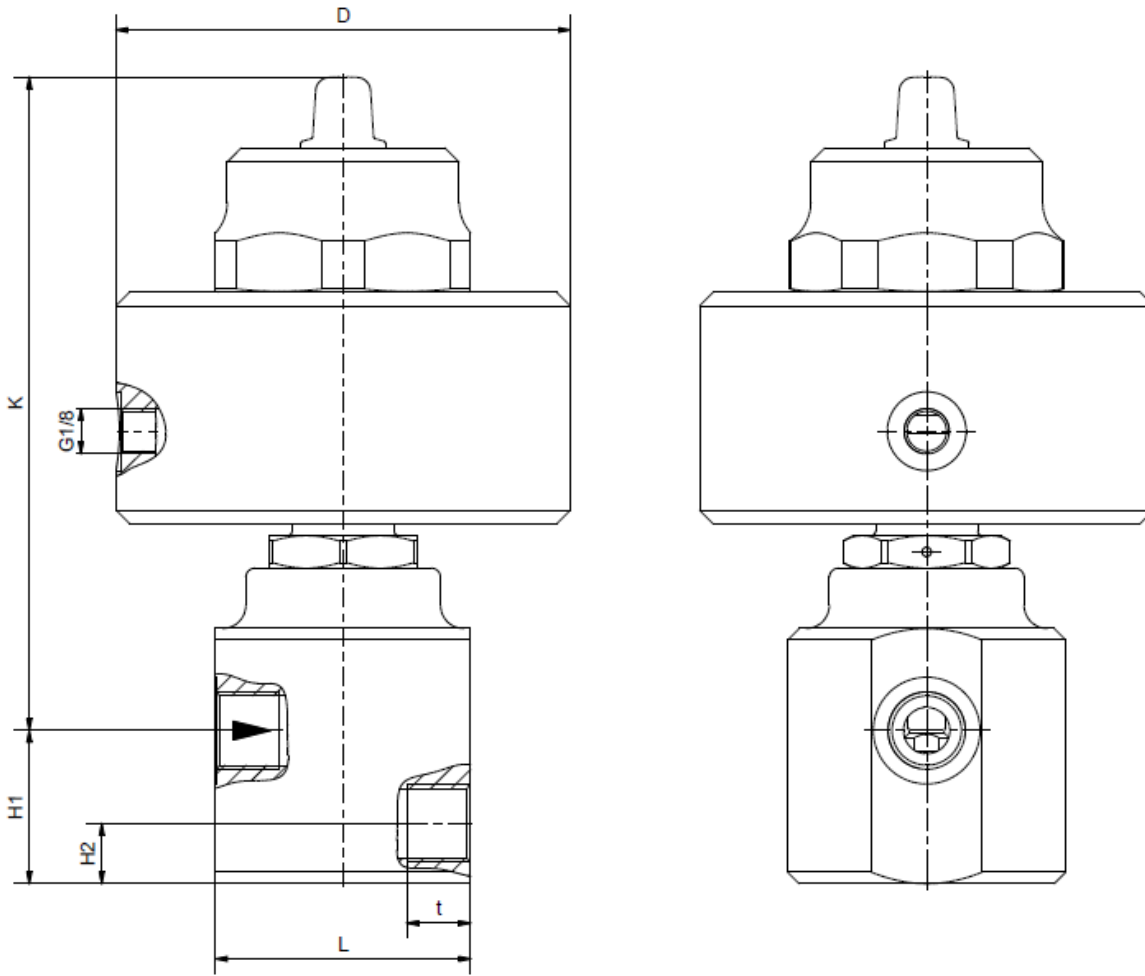


# TECHNICAL FEATURES

G	Seat Ø mm	Kv-value m³/h	Standard type	max. pressure with actuator			
				7303	7505	7008	7013
1/8	1,0		8/100-31-1215-....	0-500	-	-	-
1/4	4,0		8/100-45-1215-....	-	0-500	-	-
1/4	8,0		8/100-49-1215-....	-	-	0-400	-
7/16 UNF	0,5		8/100-3E-1215-....-TT	0-1000	-	-	-
9/16 UNF	4,0		8/100-45-1215-....-TT	-	-	0-700	-
9/16 UNF	8,0		8/100-49-1215-....-TT	-	-	-	0-1000



# DIMENSIONS



Type	8/100-31	8/100-45	8/100-49	8/100-3E-TT	8/100-45-TT	8/100-49-TT
G	1/8	1/4	1/4	7/16 UNF	9/16 UNF	9/16 UNF
D	on request	61	98	on request	98	149
K		143	141		141	192
H1		33	33		33	33
H2		13	13		13	13
L		55	55		55	55
t		13,5	13,5		10	10
kg		2,3	2,6		2,6	4,9

## 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		
<b>8/100</b>	- <b>6 8</b>	- <b>0 8</b>	<b>1 5</b>	- <b>7 1</b>   <b>0 5</b>	- <b>x x</b>		
48	G 1/4	08	St. steel 1.4462	7 .	Closed wo/ press.	TT	UNF
58	G 3/8	12	St. steel 1.4501	8 .	Open wo/ press.	1W	Hydrogen
68	G 1/2	13	St. steel 1.4404 *	9 .	double-acting		
A5	7/16-20			. 1	Standard-Actuator		
B5	9/16-18	00	metallic	. 3	Actuator-St. steel		
C5	13/16-16	15	PEEK	. 5	Actuator-nickel-pl.		
				05	50 mm		
				08	80 mm		
				13	125 mm		

\* only in conjunction with option 1W for hydrogen applications.