



2/2-way solenoid valve

NC - Valve normally closed (as standard)

NO - Valve normally open (as option)

Pilot operated piston valve

The mentioned minimum pressure difference between inlet and outlet is necessary for proper operation.

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

■ Solenoid valve for high pressure applications

## TECHNICAL SPECIFICATIONS

Type of control	Pilot operated, differential pressure necessary
Design	Piston design
Connection	Sleeve connection G1/4 - G1/2 DIN ISO 228/1 (BSP) <small>Further connections like NPT on request</small>
Installation	Preferable with actuator upright
Pressure	1 - 450 bar (see table on page 2)
Medium	Clean, neutral gaseous and liquid media
max. viscosity	22 mm <sup>2</sup> /s
Temperature range	Medium: -27 °C / +80 °C Environment: -27 °C / +50 °C <small>Taking into account other influencing parameters</small>
Body material	St. steel 1.4571
Metallic inner parts	Stainless steel
Sealing	PTFE, Seat seal PEEK
Supply voltage	AC~ 24V, 110V, 230V DC= 12V, 24V
Voltage tolerance	-10% / +10%
Power consumption	.802 = 24 Watt .322 = 30 Watt    .328 = 24 Watt ⚠ .242 = 46 Watt    .248 = 30 Watt ⚠
Type of control	IP65 according to DIN 60529
Duty factor	100% ED-VDE 0580
Connection type	Device plug DIN 43650
Ex-proof	acc. to 2014/34/EU (ATEX)

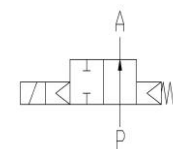
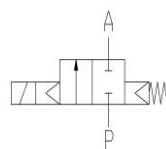
## VALVE FEATURES

- For high pressure applications up to 450 bar
- Pressure difference is required
- High life time
- Simple compact valve design
- High-quality materials
- Reliable and sturdy sealing elements

## FUNCTION

NC – non energized closed

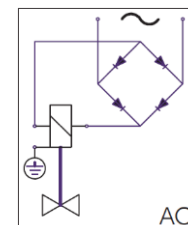
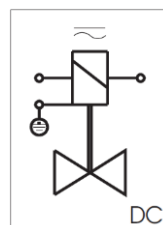
NO – non-energized open



## CONNECTION DIAGRAM

For AC/DC coils


For DC coils  
w/ integr. rectifier



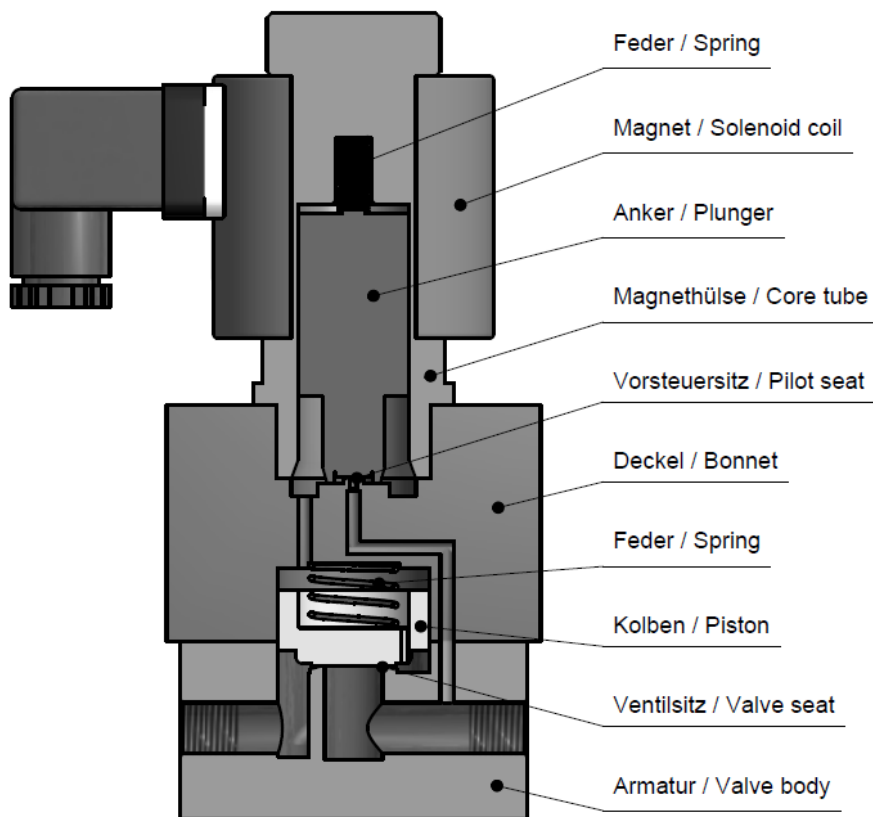
## CERTIFICATES



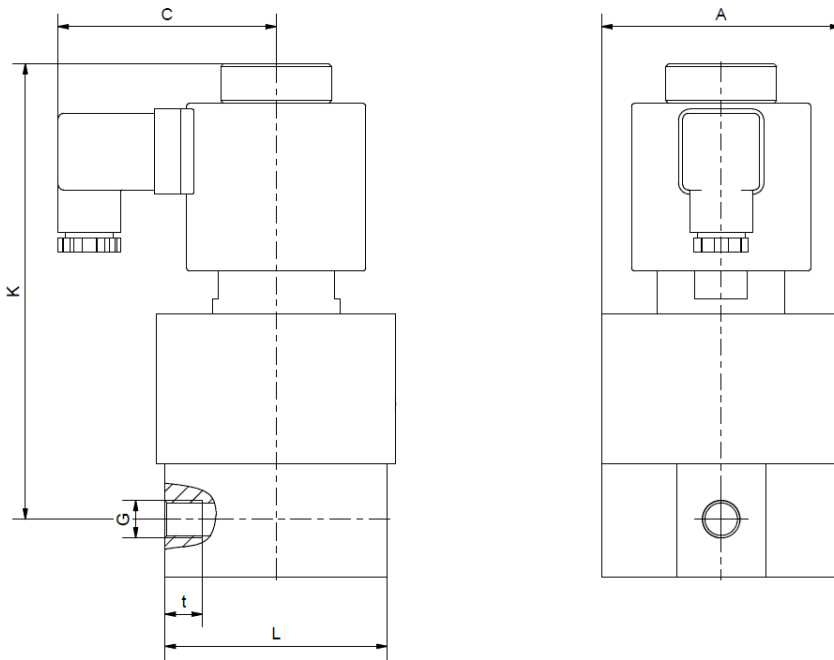
# TECHNICAL FEATURES

G	Seat Ø mm	Kv-value m³/h	Standard type	max. pressure for coils			max. pressure for coils 	
				.802	.322	.242	.328	.248
1/4	12	1,8	2/529-21-0815-	1-150	1-300	1-450	1-250	1-350
3/8	12	3,3	2/529-22-0815-	1-150	1-300	1-450	1-250	1-350
1/2	12	3,8	2/529-23-0815-	1-150	1-300	1-450	1-250	1-350
3/4	25	11,5	2/529-24-0815-	1-150	1-220	1-450	1-220	1-350
1	25	13,0	2/529-25-0815-	1-150	1-220	1-450	1-220	1-350
1 1/4	40	22,0	2/529-26-0815-	-	-	1-200	-	1-200
1 1/2	40	24,0	2/529-27-0815-	-	-	1-200	-	1-200
2	50	32,0	2/529-28-0815-	-	-	1-200	-	1-200

The flow rate mentioned in the table applies to the strongest coil.  
Pressure ranges may decrease when using the manual override options.



# DIMENSIONS



Coil	.802					.322/.328*				
Type	2/529-21	2/529-22	2/529-23	2/529-24	2/529-25	2/529-21	2/529-22	2/529-23	2/529-24	2/529-25
G	1/4	3/8	1/2	3/4	1	1/4	3/8	1/2	3/4	1
A	84	84	84	110	110	84	84	84	110	110
C	70	70	70	70	70	77	77	77	77	77
K	143,5	143,5	151,5	159	159	161	161	161	176	176
L	78	78	78	101	101	78	78	78	101	101
t	13	13	15	16	18	13	13	15	16	18
kg	3,8	3,8	4,0	6,6	6,4	5,2	5,2	5,2	7,8	7,7

\*Differing dimension "C" for ATEX coils

Coil	.242/.248							
Type	2/529-21	2/529-22	2/529-23	2/529-24	2/529-25	2/529-26	2/529-27	2/529-28
G	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
A	84	84	84	110	110	155	155	170
C	92,5	92,5	92,5	92,5	92,5	92,5	92,5	92,5
K	181,5	181,5	181,5	200	200	228	228	242
L	78	78	78	101	101	140	140	155
t	13	13	15	16	18	22	22	27
kg	6,7	6,6	6,6	9,3	9,3	18,8	18,6	24,6

## 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	Coil	Option
<b>2/529</b>	<b>2 3</b>	<b>0 8</b>	<b>1 5</b>	<b>3 2 2</b>	<b>X X</b>

21	G 1/4	08	St. steel 1.4571	80	20 W	2	Standard IP65
22	G 3/8	13	S. steel 1.4404 *	32	30 W	8	2014/34/EU(ATEX)
23	G 1/2			24	46 W		
24	G 3/4	15	PEEK			1W	Hydrogen
25	G 1					NO	normally open
26	G 5/4						
27	G 6/4						
28	G 2						

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