

GROUP SOLENOID VALVES

2/2 Way Direct Operated G1/8", G1/4"

GENERAL FEATURES

direct acting group solenoid valves are 2/2 way normally closed

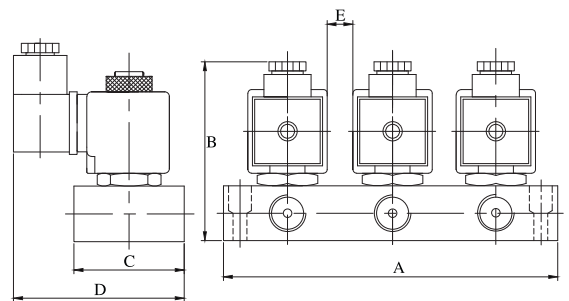
- **Direct acting manifold with operators.**
- **Suitable for non-aggressive liquids (water, light oil (2E) etc...), gaseous fluids (air, inert gases etc...)**
- Working Temperature: -10°C / +80°C
- Not suitable for use with dangerous fluids listed in Group 1
- **Don't require any differential pressure**
- Compact and low weight valve enabling easy and quick installation
- High reliability, quality and performance; long life, corrosion resistance
- Wide pressure ratings, range of flow rate and orifice options
- Ideal for the automatic control of media in a wide range of applications.
- **On request: 1, 8, 3 and 4 mm orifice and high flow rate**
- Value referred to each single operator
- solenoid valves satisfy relevant 97/23/EC, Pressure Equipment Directive (PED) and 2006/95/EEC Low Voltage Directive (LVD).
- Coils interchangeable
- Flow factor Kv of each valve is indicated, so that the flow Q can be calculated as a function of pressure
- Solenoid valves must be used with filtered fluids.
- Solenoid valve can be mounted in any position without affecting operation; vertical with coil upwards preferred.
- Standard pipe connection is G (BSP) (ISO 228-1) and on request; other pipe connections are available (NPT (ANSI 1.20.3))



ELECTRICAL CHARACTERISTICS

Continuous Duty : ED %100
 Coil Insulation Class : H (180°C)
 Coil Impregnation : Polyester Fiber Glass
 Coil Encapsulation Material : Fiber Glass Reinforced
 Ambient Temperature : from -10°C; +60°C
 Protection Degree : IP 65 (EN 60529) with coil duly fitted with the plug connector
 Electric Plug Connection : DIN 46340 3-poles connectors (DIN 43650)
 Connector Specification : ISO 4400 / EN 175301-803, Form A, Spade plug (Cable Ø6-8 mm)
 Electrical Safety : IEC 335
 Standard Voltages : For AC 12V, 24V, 48V, 110V, 230V
 For DC 12V, 24V, 48V, 110 V

Other voltages on request;
 Voltage Tolerances : For AC -15%; +10%, For DC -5%; +10%
 Frequency : 50 Hz, other frequencies on request; (60 Hz)
 On request; connector with LED
 Specify coil voltage with order



Dimensions (mm)

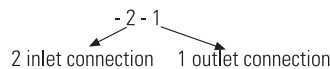
	G	A	B	C	D	E
1/8"	125	85	40	77	6.2	
1/4"	125	85	40	77	6.2	

MATERIALS IN CONTACT WITH FLUID

Body : Brass
 Internal Parts : Stainless Steel
 Sealing : NBR
 Shading Ring : Copper
 Seats : Brass
 Core Tube : Stainless Steel
 Springs : Stainless Steel
 On request; nickel plated body
 On request; sealing can be FPM (VITON), EPDM

TECHNICAL FEATURES

Max Viscosity : 5°E (-37cSt or mm²/s)
 Response Time : Opening Time:30 ms,
 Closing Time:30 ms
 Maximum Allowable Pressure:20 bar
 Fluid Temperature for FPM (VITON) from -10°C; +160°C,
 for EPDM from -10°C; +140°C



Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure		KV	Fluid Temperature		Seal	Weight
				min	max		min	max		
		G	mm	bar	bar	lt/min	°C			(kg)
		1/8"	2.5	0	12	2.8	-10	80	NBR	1.05
		1/8"	2.5	0	12	2.8	-10	80	NBR	1.55
		1/8"	2.5	0	12	2.8	-10	80	NBR	2.05
		1/8"	2.5	0	12	2.8	-10	80	NBR	0.87
		1/8"	2.5	0	12	2.8	-10	80	NBR	1.25
		1/8"	2.5	0	12	2.8	-10	80	NBR	1.48
		1/4"	2.5	0	12	2.8	-10	80	NBR	0.95
		1/4"	2.5	0	12	2.8	-10	80	NBR	1.45
		1/4"	2.5	0	12	2.8	-10	80	NBR	1.95
		1/4"	2.5	0	12	2.8	-10	80	NBR	0.77
		1/4"	2.5	0	12	2.8	-10	80	NBR	1.15
		1/4"	2.5	0	12	2.8	-10	80	NBR	1.38