COMPRESSOR SOLENOID VALVES

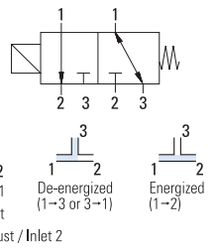
3/2 Way
Direct Operated
G 1/8", G1/4"

S5015
SERIES

GENERAL FEATURES

- **Small body size.**
- **Valves can used on especially exhaust systems and and pneumatic control systems**
- **Suitable for non-aggressive liquids (water, light oil (2E) etc…), gaseous fluids (air, inert gases etc...)**
- Working Temperature:-10°C / +160°C
- **On request; top exhaust with 1 mm, 1,8 mm and 2,5 mm orifice and seals**
- Not suitable for use with dangerous fluids listed in Group 1
- **Don't require any differential pressure**
- Compact and low weight valve enabling and quick installation
- High reliability, quality and performance; long life, corrosion resistance
- Wide pressure ratings, range of flow rate and orifice options
- **On request; solenoid valve can have 1 mounting hole at the bottom of the body.**
- Ideal for the automatic control of media in a wide range of applications
- TORK 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))

Normally Closed



S5015(N.C)

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

MATERIALS IN CONTACT WITH FLUID

Body	: Brass
Internal Parts	: Stainless Steel
Sealing	: FPM (VITON)
Shading Ring	: Copper
Seats	: Brass
Core Tube	: Stainless Steel
Springs	: Stainless Steel

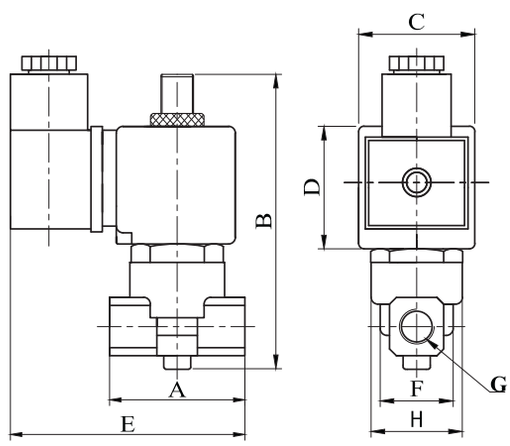
On request; nickel plated body

TECHNICAL FEATURES

Max Viscosity : 5°E (~37cSt or mm²/s)
Response Time : Opening Time:30 ms, Closing Time: 30 ms
Maximum Allowable Pressure: 25 bar


Application


Application



Dimensions (mm)

G	A	B	C	D	E	F	H
1/8"	40	102	32	39	78	22.3	25.6
1/4"	40	102	32	39	78	22.3	25.6

Valve Type / Order no	Connection Size	Orifice size	Pressure min	Pressure max		KV	Fluid Temperature		Seal	Weight
S5015	G	mm	bar	bar Liquid	bar Air	lt/min	°C min	°C max		(kg)
S5015.00.010	1/8"	1	0	8	16	1-2=0,5 , 2-3=0,5	-10	160	VITON	0.5
S5015.01.010	1/4"	1	0	8	16	1-2=0,5 , 2-3=0,5	-10	160	VITON	0.49

Useful Informations

1 bar:14,5 PSI:10 mH_2O:10 N/cm^2:1 kg/cm2:100000 Pa , 1 PSI:69 mbar,1 m^3/h:4,405 GPM:16,7 L/d 1 Gallon / minute:0,227 m^3/h, 0°C:89,6 F
Sealings:FPM (VITON):Fluoro-Carbon Elastomer

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