

S101 Series Direct Acting General Purpose Solenoid Valves

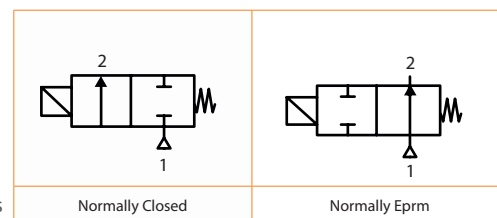
S101 Series general purpose solenoid valves are direct acting type, developed for filtered water, low viscosity oils etc non-corrosive liquids as well as pressurised air, inert gas etc non-corrosive gas flow control applications.

Technical Specifications

Available Sizes	: G1/8" and G1/4"	• Light Weight & Compact design
Thread Type	: G (BSPP / ISO 228-1)	• Low Pressure Loss
Pressure Range	: 0 - 16 Bar	• No Differential Pressure
Switching Function	: Normally Closed (N.C) / Normally Open (N.O)	• 360° Rotatable Coil
Principle of Operation	: Direct Operated	• Fast Opening and Closing
Operating Type	: 2/2	• Long Life Cycle
Opening Time	: 25 ms (Open/Close)	• Suitable AC and DC Voltage
Max Viscosity	: 38 cSt or mm ² /s	• Low Pressure Loss
		• Various flow rate options, wide range of pressure ratings, wide range of orifice options



Function



Material List

Part Name	Material
Body	Brass
Plunger	St. Steel AISI430FR
Plunger Seal	NBR
Spring	St. Steel AISI302
Enclosure Tube	AISI430FR & Brass
Shading Ring	Copper
O-Rings	NBR

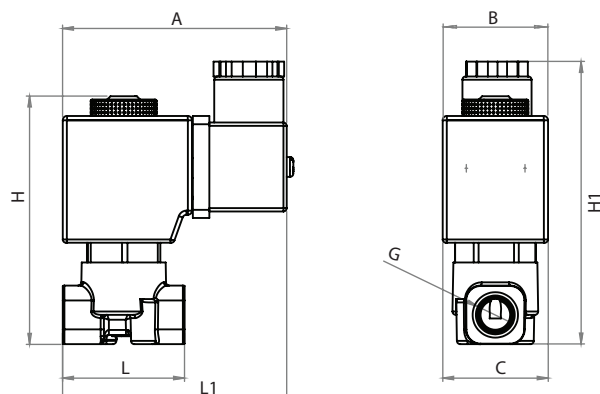
Diaphragm Materials and Working Temperatures

TYPE	Min W.T.	Max W.T.
NBR	-10°C	+80°C
EPDM	-10°C	+130°C
VITON	-10°C	+160°C
PTFE	-10°C	+180°C

S101/S102/S103/S104/S105 Coil Power Details

Power Consumption			
Coil Code	Voltage	Inrush (VA)	Holding (VA)
S101CA	12V DC	30	18
S101CB	24V DC	30	18
S101CC	48V DC	30	18
S101CD	110V DC	30	18
S101CE	12V AC	16	12
S101CF	24V AC	16	12
S101CG	48V AC	16	12
S101CH	110V AC	16	12
S101CI	230V AC	16	12

Dimensions



Dimensions (mm)

Size (G)	L	L1	H	H1	A	B	C
1/8"	37	68	75	85	68	32	32
1/4"	37	68	75	85	68	32	32

Dimensions (mm)

Size (G)	Orifice Diameter (mm)	Position	Flow Capacity		Working Pressure (bar)				Diaphragm*	Weight (Kg)
			Lt/min	m ³ /hour	Min. (AC)	Max (AC)	Min (DC)	Max (DC)		
1/8"	1,8	NK	1,7	0,1	0	16	0	16	NBR	0,3
1/8"	2,5	NK	3,3	0,19	0	12	0	12	NBR	0,3
1/8"	3	NK	4,5	0,27	0	10	0	9	NBR	0,3
1/8"	4	NK	6,5	0,39	0	9	0	7	NBR	0,3
1/8"	5	NK	9,5	0,57	0	7	0	6	NBR	0,3
1/8"	6	NK	11,5	0,69	0	5	0	4	NBR	0,3
1/4"	1,8	NK	1,7	0,1	0	16	0	16	NBR	0,28
1/4"	2,5	NK	3,3	0,19	0	12	0	12	NBR	0,28
1/4"	3	NK	4,5	0,27	0	10	0	9	NBR	0,28
1/4"	4	NK	6,5	0,39	0	9	0	7	NBR	0,28
1/4"	5	NK	9,5	0,57	0	7	0	6	NBR	0,28
1/4"	6	NK	11,5	0,69	0	5	0	4	NBR	0,28
1/8"	1,8	NA	1,7	0,1	0	12	0	10	NBR	0,35
1/8"	2,5	NA	3,3	0,19	0	10	0	9	NBR	0,35
1/4"	1,8	NA	1,7	0,1	0	12	0	10	NBR	0,32
1/4"	2,5	NA	3,3	0,19	0	10	0	9	NBR	0,32