SV5636

BRASS NORMALLY OPEN DIRECT ACTING SOLENOID VALVE

Key features:

- Normally open, 2-way direct acting operation
- Brass body
- FKM seals and gaskets
- Screwed BSP connections
- Sizes available: ⅛" to ½"
- Maximum media temperature: 120°C
- Ambient temperature range: -10°C to +50°C
- Pressure range: 0 to 10 bar max. (depending on operating voltage)
- Operating voltages: 12V DC, 24V DC, 24V AC, 110V AC, and 230V AC
- Supplied with a cable plug

DETAILS

A solenoid valve offering normally open, 2-way direct acting operation.

The valve features a brass body, stainless steel tube and internal parts, and FKM seals and gaskets.

Available in sizes ⅛" with 3mm, 4mm, or 5mm orifice, ¼" with 3mm, 4mm or 5mm orifice, ⅜" with 4mm or 6mm orifice, and ½" with 6mm orifice, with BSP screwed end connections.

The valve can be mounted in any position.

Designed for use with air, water, gas, light oil and vacuum 10^{-4} torr.

Working pressure range of 0 to 10 bar maximum, this is dependent on the operating voltage used: please refer to Table 3 for details.

Maximum media temperature of 120°C and an ambient temperature range of -10°C to +50°C.

Suitable operating voltages are 12V DC, 24V DC, 24V AC, 110V AC, and 230V AC, and supplied fitted with a cable plug.

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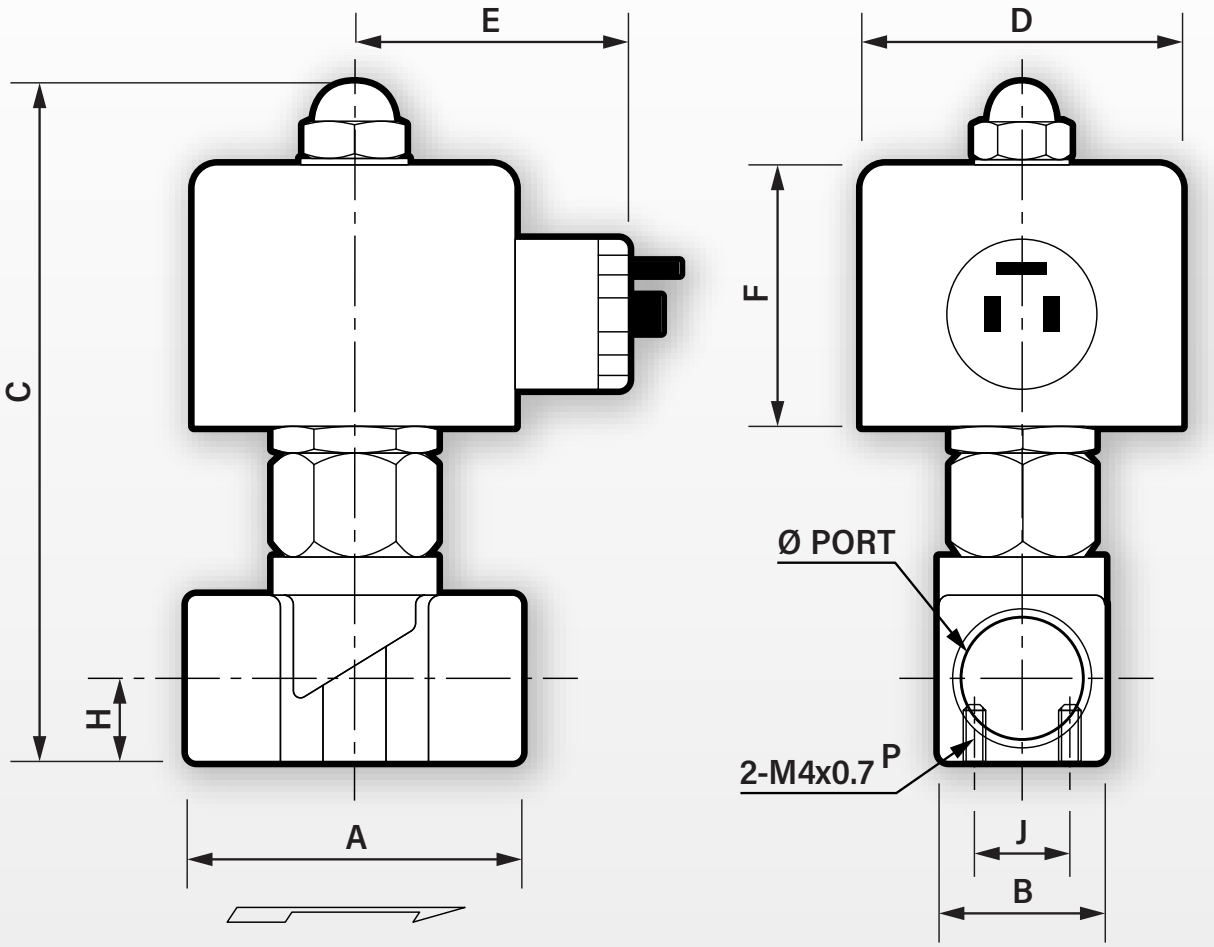

TABLE 1: DIMENSIONS IN MM

Size	A	B	C	D/E	F	G	H	Ø Port, BSP	Ø Orifice	Weight
⅛"	41	19	108	40/65	38	15	10.5	⅛"	3.0	0.52 kg
⅛"	41	19	108	40/65	38	15	10.5	⅛"	4.0	0.52 kg
⅛"	41	19	108	40/65	38	15	10.5	⅛"	5.0	0.52 kg
¼"	41	19	108	40/65	38	15	10.5	¼"	3.0	0.52 kg
¼"	41	19	108	40/65	38	15	10.5	¼"	4.0	0.52 kg
¼"	41	19	108	40/65	38	15	10.5	¼"	5.0	0.52 kg
⅜"	50	25	110	40/65	38	15	11.7	⅜"	4.0	0.80 kg
⅜"	50	25	110	40/65	38	15	11.7	⅜"	6.0	0.80 kg
½"	55	27	112	40/65	38	-	13.0	½"	6.0	0.95 kg

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TABLE 2: PARTS AND MATERIALS

Part	Material
Solenoid tube	Stainless steel
Slide core	Stainless steel
Coil	Brass wire
Armature core	Stainless steel
Operating spindle	Brass
Joint sleeve	Stainless steel
Spring	Stainless steel
Seat	FKM
Valve body	Forged brass

TABLE 3: FLOW (KV) AND PRESSURE RATING

Size	Flow (Kv)	Minimum Pressure	Maximum Pressure (AC Operation)	Maximum Pressure (DC Operation)
⅛" 3.0mm orifice	3.7 l/min	0 bar	10 bar	7 bar
⅛" 4.0mm orifice	8.3 l/min	0 bar	6 bar	4 bar
⅛" 5.0mm orifice	9.2 l/min	0 bar	4 bar	2.8 bar
¼" 3.0mm orifice	3.7 l/min	0 bar	10 bar	7 bar
¼" 4.0mm orifice	8.3 l/min	0 bar	6 bar	4 bar
¼" 5.0mm orifice	9.2 l/min	0 bar	4 bar	2.8 bar
⅜" 4.0mm orifice	8.3 l/min	0 bar	6 bar	4 bar
⅜" 6.0mm orifice	11.3 l/min	0 bar	2 bar	1.4 bar
½" 6.0mm orifice	11.3 l/min	0 bar	2 bar	1.4 bar

TABLE 4: ELECTRICAL DATA

Voltage (-10% + 15%) Continuous Duty 100%	Coil	Power Consumption		Insulation Class	Enclosure	Electrical Connections
		Inrush	Holding			
24V AC (50/60 Hz) 110V AC (50/60 Hz) 230V AC (50/60 Hz)	WPG2	18.7VA	15.3VA	H 180°C	IP65 with connector	3 spades DN 43650A DIN 40050 VDE 0110
12V DC 24V DC	WPG2	18 Watts	18 Watts	H 180°C	IP65 with connector	3 spades DN 43650A DIN 40050 VDE 0110

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TABLE 5: PART NUMBERS
SEAL MATERIAL: FKM

Size	12V DC	24V DC	24V AC	110V AC	230V AC
⅛" 3.0mm orifice	SV5636-100750	SV5636-100759	SV5636-100768	SV5636-100777	SV5636-100786
⅛" 4.0mm orifice	SV5636-100751	SV5636-100760	SV5636-100769	SV5636-100778	SV5636-100787
⅛" 5.0mm orifice	SV5636-100752	SV5636-100761	SV5636-100770	SV5636-100779	SV5636-100788
¼" 3.0mm orifice	SV5636-100753	SV5636-100762	SV5636-100771	SV5636-100780	SV5636-100789
¼" 4.0mm orifice	SV5636-100754	SV5636-100763	SV5636-100772	SV5636-100781	SV5636-100790
¼" 5.0mm orifice	SV5636-100755	SV5636-100764	SV5636-100773	SV5636-100782	SV5636-100791
⅜" 4.0mm orifice	SV5636-100756	SV5636-100765	SV5636-100774	SV5636-100783	SV5636-100792
⅜" 6.0mm orifice	SV5636-100757	SV5636-100766	SV5636-100775	SV5636-100784	SV5636-100793
½" 6.0mm orifice	SV5636-100758	SV5636-100767	SV5636-100776	SV5636-100785	SV5636-100794