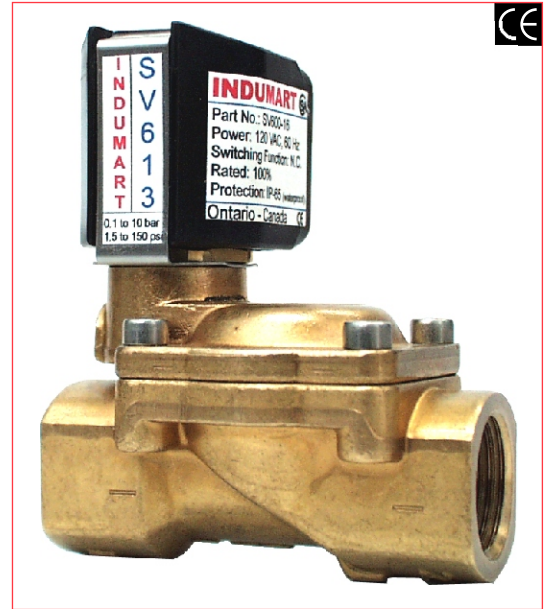


2/2-WAY SOLENOID VALVE

SERIES: SVP600

- COMPACT DIAPHRAGM VALVE
- EXCELLENT FLOW RATE
- DAMPED OPERATION
- 150°C OPERATING TEMPERATURE
- UP to 150 PSI OPERATING PRESSURE
- LONG SERVICE LIFE & RELIABLE SWITCHING
- DESIGNED TO INTERNATIONAL SAFETY REGULATION
- SERVO ASSISTED, PILOT OPERATED OR INDIRECT ACTING



Steam &
Hot Water
Applications

DESCRIPTION

Indumart Series SVP600 Solenoid Valves operate on the servo assistance principle, which requires a specified differential pressure for opening and closing. When energized, the solenoid opens the pilot seat. This relieves the pressure on the main closure device, which is raised into the open position by the increasing effective force on its underside. Closure of the pilot seat builds up a closing force on the main closure device via bleed orifices. While the differential pressure is maintained between 1.5 and 150 psi, the valve remains securely closed.

With the introduction of captive spring clips, the solenoid can be readily fitted and replaced without any tools (**Click-on®**).

The technically impressive flow rates achieved with these compact diaphragm valves are attributed to a solenoid system that is unique and requires a minimum pressure differential of only 1.5 psi (0.1 bar) for its operation.

Equipped with heavy-duty seat seals, these diaphragm valves can handle fluids with a maximum temperature of 150°C.

SPECIFICATIONS

Body	Brass
Valve Type	Diaphragm
Seat Seal	HNBR
Internal Parts	Stainless steel, brass
Actuation	Indirect
Switching Function	N.C. (standard); N.O. (option)
Connection	1/4", 3/8", 1/2", 3/4", 1"
Pressure Range	1.5 to 150 psi (0.1 to 10 bar)
Viscosity	Up to 25 mm ² /s
Fluid Temperature	-10 to +150°C
Ambient Temperature	-10 to +50°C
Standard Voltage	24VDC, 24VAC, 42VAC, 110VAC, 230VAC
Power Consumption	DC AC
Type 4 Solenoid	8W 15 VA (inrush) 12VA (holding)
Voltage Over Range	±10%
Protection	IP65 with power lead socket

FLOW CHARACTERISTIC DATA

Connection	K _v (m ³ /h)	C _v (gpm)
1/4"	1.7	2.0
3/8"	2.7	3.1
1/2"	3.4	3.9
3/4"	5.5	6.4
1"	8.5	9.8

ORDERING

Model: SVP6 -

BODY, THREAD & ACTION

Brass Body; G Port; N.C.
 Brass Body; NPT Port; N.C.
 Brass Body; G Port; N.O.
 Brass Body; NPT Port; N.O.

1
2
3
4

VALVE SIZE

1/4"
 3/8"
 1/2"
 3/4"
 1"

1
2
3
4
5

SOLENOID

Complete with Solenoid (standard)
 Valve Only - Without Solenoid

S
X

SOLENOID SERIES

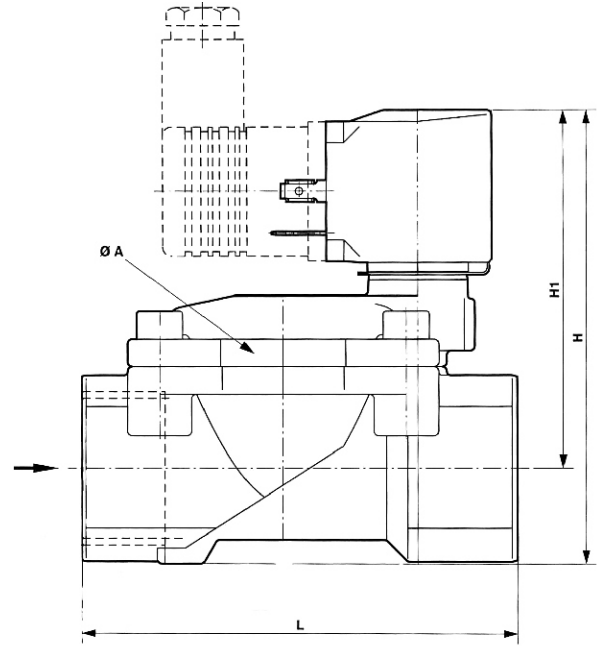
Type 4

4

POWER REQUIREMENT

24 VDC
 24 VAC, 50 Hz
 42 VAC, 50 Hz
 110 VAC, 50 Hz
 230 VAC, 50 Hz
 120 VAC, 60 Hz
 220 VAC, 60 Hz

1
2
3
4
5
6
7



DIMENSIONS & WEIGHT

ØA = maximum depth

Port Size	ØA (mm)	L (mm)	H (mm)	H1 (mm)	Weight (kg)
1/4"	44	60	78.5	67.0	0.47
3/8"	44	60	78.5	67.0	0.45
1/2"	44	67	81.0	67.0	0.50
3/4"	50	80	88.0	71.5	0.65
1"	62	95	97.5	77.0	0.95

The SVP600 Series diaphragm valves were developed and designed using the following harmonised standards:

EN 292 **Machine Safety**
EN983 **Pneumatic Systems**
EN60204-1 **Electrical Equipment for Machinery**

WATER FLOW RATE VS. PRESSURE DIFFERENTIAL SVP600 SERIES SOLENOID VALVES - TEMP. 5°C to 30°C

