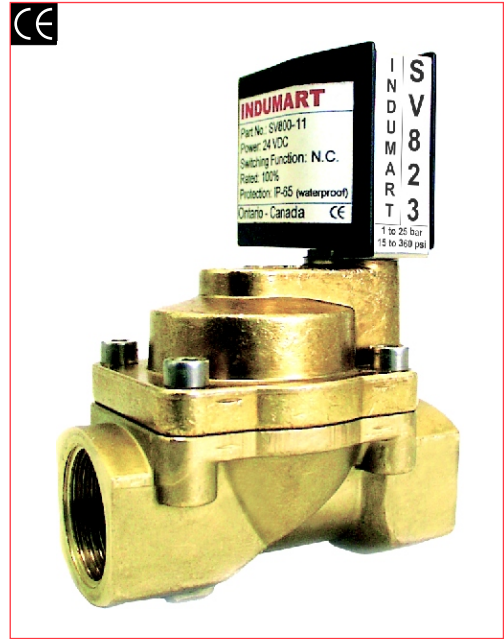


# 2/2-WAY SOLENOID VALVE

## SERIES: SVP800

- > COMPACT PISTON VALVE
- > EXCELLENT FLOW RATE
- > DAMPED OPERATION
- > +200°C OPERATING TEMPERATURE
- > UP to 360 PSI OPERATING PRESSURE
- > LONG SERVICE LIFE & RELIABLE SWITCHING
- > PISTON VALVES AVAILABLE IN VARIOUS MATERIALS
- > DESIGNED TO INTERNATIONAL SAFETY REGULATIONS
- > SERVO ASSISTED, PILOT OPERATED OR INDIRECT ACTING



High Temperature & High Pressure Applications

### DESCRIPTION

Indumart Series SVP800 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 in the required domain, the valve remains securely closed.

Indumart Series SVP800 Solenoid Valves are designed for high pressure steam, as well as, water and other neutral fluids. They are suitable for processes with a pressure of up to 360 psi (25 bar) and a temperature of up to 200°C.

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 piston valves are attributed to a solenoid system that requires a minimum pressure differential of 15 psi for its operation.

### SPECIFICATIONS

<b>Body</b>	Brass
<b>Valve Type</b>	Piston
<b>Seat Seal</b>	PTFE
<b>Internal Parts</b>	Stainless steel, FPM, PTFE
<b>Actuation</b>	Indirect
<b>Switching Function</b>	N.C. (standard); N.O. (option)
<b>Connection</b>	1/4", 3/8", 1/2", 3/4", 1"
<b>Pressure Range</b>	15 to 360 psi (1 to 25 bar)
<b>Viscosity</b>	Up to 40 mm <sup>2</sup> /s
<b>Fluid Temperature</b>	-10 to +200°C
<b>Ambient Temperature</b>	-10 to +50°C
<b>Standard Voltage</b>	24VDC, 24VAC, 42VAC, 110VAC, 230VAC
<b>Power Consumption</b>	DC    AC 10W    15 VA (inrush) 10 VA (holding)
<b>Voltage Over Range</b>	±10%
<b>Protection</b>	IP65 with power lead socket

### FLOW CHARACTERISTIC DATA

Connection	K <sub>v</sub> (m <sup>3</sup> /h)	C <sub>v</sub> (gpm)
1/4"	2.2	2.5
3/8"	3.4	3.9
1/2"	4.4	5.1
3/4"	7.0	8.1
1"	10.5	12.1

## ORDERING

### Model: SVP8

#### 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.

#### VALVE SIZE

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

#### SOLENOID

Complete with Solenoid (standard)  
 Valve Only - Without Solenoid

#### SOLENOID SERIES

Type 8

#### POWER REQUIREMENT

24 VDC  
 24 VAC, 40-60 Hz  
 42 VAC, 40-60 Hz  
 110 VAC, 40-60 Hz  
 230 VAC, 40-60 Hz

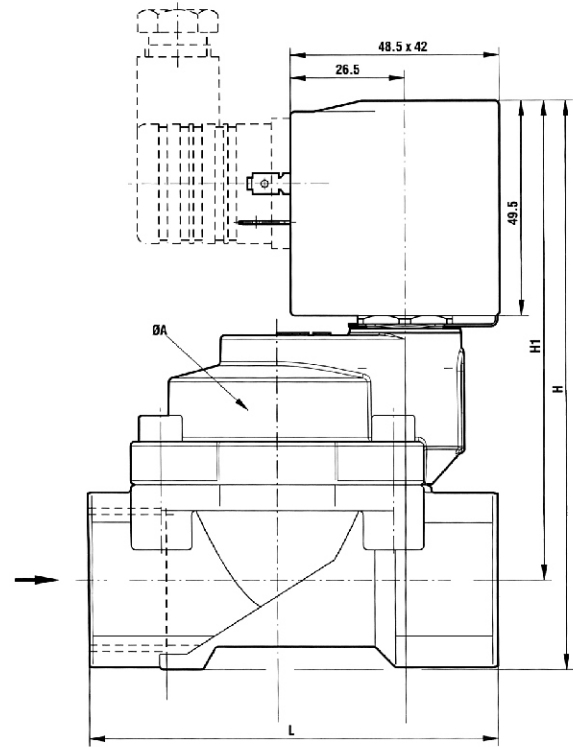
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## DIMENSIONS & WEIGHT

ØA = maximum depth

Port Size	ØA (mm)	L (mm)	H (mm)	H1 (mm)	Weight (kg)
1/4"	44	60	105.0	93.5	0.83
3/8"	44	60	105.0	93.5	0.82
1/2"	44	67	107.5	93.5	0.85
3/4"	50	80	119.0	102.5	1.25
1"	62	95	131.5	110.5	1.70

The SVP800 Series piston 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  
 SVP800 SERIES SOLENOID VALVES - TEMP. 5°C to 30°C

