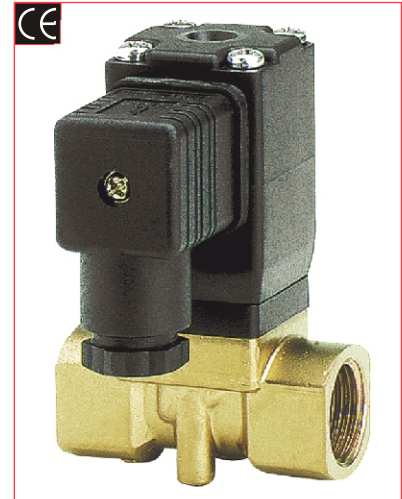


2/2-WAY SOLENOID VALVE

SERIES: SVF200

- > COMPACT DESIGN
- > SUITABLE FOR VACUUM
- > NO DIFFERENTIAL PRESSURE REQUIRED
- > SOLENOID ACTUATED WITH FORCE LIFTING
- > LONG SERVICE LIFE & RELIABLE SWITCHING
- > UP TO 150 PSI (10 BAR) OPERATING PRESSURE
- > DESIGNED TO INTERNATIONAL SAFETY REGULATIONS
- > DIAPHRAGM VALVES AVAILABLE IN VARIOUS MATERIALS




Zero ΔP
& Vacuum
Applications

DESCRIPTION

Indumart Series SVF200 Solenoid Valves are diaphragm seat valves with excellent sealing qualities and are actuated by force lifting. The force produced by the solenoid plunger, which is mechanically coupled to the main closure device, opens this type of valve.

The sequence starts with the solenoid opening the pilot seat. This relieves the pressure on the main closure device, bringing it into balance so the solenoid force can lift it into the open position. When the pilot seat is closed, bleed orifices allow a force to build up on the closure device that pushes it down into the closed position on the valve seat.

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 no pressure differential for its operation.

These solenoid valves are designed for reliable services in the vacuum and low pressure ranges. Optionally, they can be ordered for process temperature of up to 150°C, and maximum line pressure of 300 psi (20 bar).

SPECIFICATIONS

Body	St. steel; Brass
Valve Type	Diaphragm
Seat Seal	NBR (Perbunan); see option
Internal Parts	Stainless steel, PVDF
Switching Function	Normally closed
Connection	□", Ω", ▣"
Pressure Range	0 to 150 psi (0 to 10 bar)
Viscosity	Up to 25 mm ² /s
Fluid Temperature	-10 to +90°C; Options available for 110°C
Ambient Temperature	-10 to +50°C
Standard Voltage	24VDC, 24VAC, 42VAC, 110VAC, 230VAC
Power Consumption	DC AC
Type 2 Solenoid	12W 20VA (inrush) 16VA (holding)
Type 7 Solenoid	12W
Type 9 Solenoid	13VA (inrush & holding)
Voltage Over Range	±10%
Protection	IP65 with power lead socket

FLOW CHARACTERISTIC DATA

Connection	K _v (m ³ /h)	C _v (gpm)
□"	1.5	1.7
Ω"	1.7	2.0
▣"	1.7	2.0

The SVF200 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

ORDERING

Model: SVF2 -

BODY, THREAD & ACTION

Brass Body; G Port, N.C.
 Brass Body; NPT Port, N.C.
 St. Steel Body; G Port, N.C.
 St. Steel Body; NPT Port, N.C.

1
2
5
6

VALVE SIZE

1"
 1/2"
 3/8"

1
2
3

SOLENOID

Complete with Coil (standard)
 Valve Only - Without Coil

C
X

COIL SERIES

Type 2 (brass body only for all the voltages)
 Type 7 (st. steel body only and DC voltage)
 Type 9 (st. steel body only and AC voltages)

2
7
9

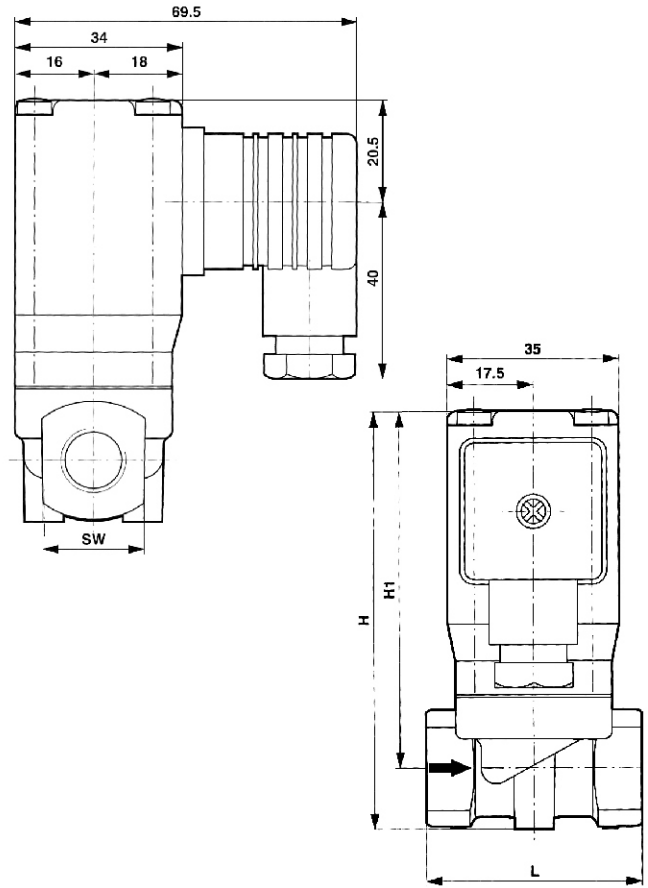
POWER REQUIREMENT

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

OPTIONS:

- Viton (FPM) Seat Seal for fluids up to +110°C
- EPDM Seat Seal for hot water up to +110°C
- NBR Seat Seals for AC solenoids only, 0 up to 300 psi (brass body only)
- HNBR Seat Seal for up to +150°C, and 0 to 90 psi (brass body only)
- Degreased Version
- EEx Solenoid



DIMENSIONS & WEIGHT

Port Size	SW (mm)	L (mm)	H (mm)	H1 (mm)	Weight (kg)
1"	21	44	73	85.5	0.5
1/2"	21	44	73	85.5	0.5
3/8"	27	60	75	85.5	0.6

WATER FLOW RATE VS. PRESSURE DIFFERENTIAL
 SVF200 SERIES SOLENOID VALVES - TEMP. 5°C to 30°C

