

NEW PRODUCT PREVIEW
**SV Series
 True Union
 Solenoid Valves**

1/2" TO 1" PVDF

KEY FEATURES

- NEW Natural PVDF
- Corrosion-Resistant Polyester Coil
- No Pressure Differential Required for Operation
- Both 1/2" Conduit or SJ-Type Cord Electrical Connection
- 120 VAC Standard
- Normally Closed Design

OPTIONS

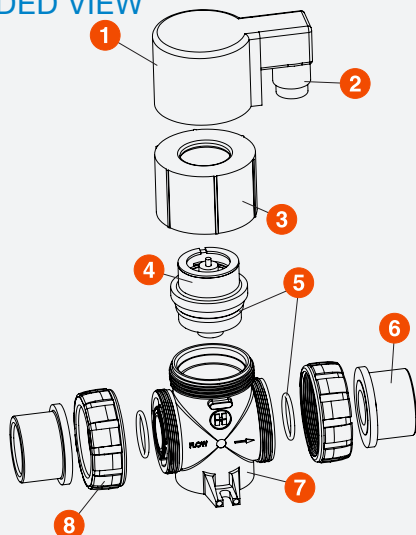
- 12 VAC, 24 VAC, 220 VAC, 12 VDC, 24 VDC

OPERATING PARAMETERS

- ¹For optimum valve performance, differential pressure must not exceed 90 psi.
- ²Flow velocity must not exceed 5 ft/sec
- ³Units are not to be operated 'on' continuously
- ⁴Maximum back pressure 25 psi.

MATERIALS

- Natural PVDF per ASTM D3222 Type 1
- FPM O-Ring Seals


TECHNICAL INFORMATION
EXPLODED VIEW

SELECTION CHART

SIZE	MATERIAL	END CONNECTION	SEALS	PRESSURE RATING
1/2" – 1" * (DN15 – DN25)	PVDF	Socket Fusion and Threaded	FPM	150 PSI @ 70°F 10 Bar @ 21°C Non-Shock

For optimum performance, differential pressure must not exceed 90 psi across the valve.

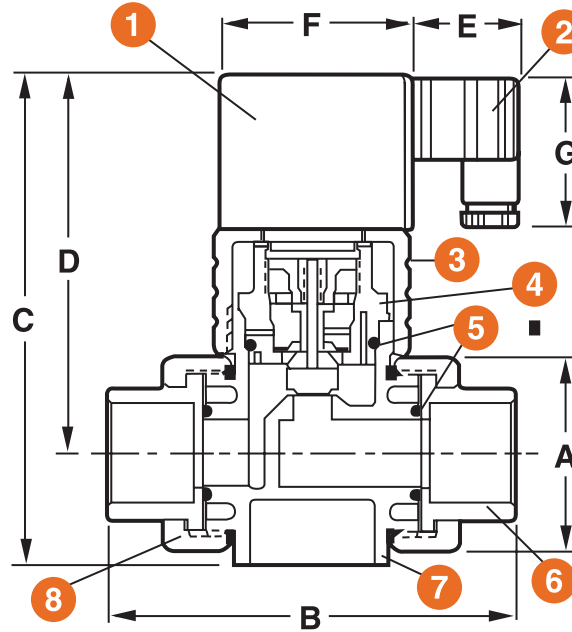
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TECHNICAL INFORMATION, CONTINUED

PARTS LIST

1. Solenoid Coil
2. Electrical Connector
3. Bonnet Nut
4. Seal Cartridge
5. O-Rings
6. End Connector
7. Body
8. Union Nut



DIMENSIONS

SIZE in / DN	A in / mm	B in / mm	C in / mm	D in / mm	E in / mm	F in / mm	G in / mm	WEIGHT lbs / kg
1/2 / 15*	2.23 / 57	5.00 / 127	6.40 / 163	5.09 / 129	1.60 / 41	2.60 / 66	2.00 / 51	3.00 / 1.36
3/4 / 20*	2.60 / 66	5.44 / 138	6.61 / 168	5.13 / 130	1.60 / 41	2.60 / 66	2.00 / 51	3.20 / 1.45
1 / 25*	2.60 / 66	5.44 / 138	6.61 / 168	5.13 / 130	1.60 / 41	2.60 / 66	2.00 / 51	3.22 / 1.46

Dimensions are subject to change without notice – consult factory for installation information

* Metric End Connections Available In: BSP – Straight Thread, BSP TR – Tapered Thread and Metric Socket

Cv VALUES

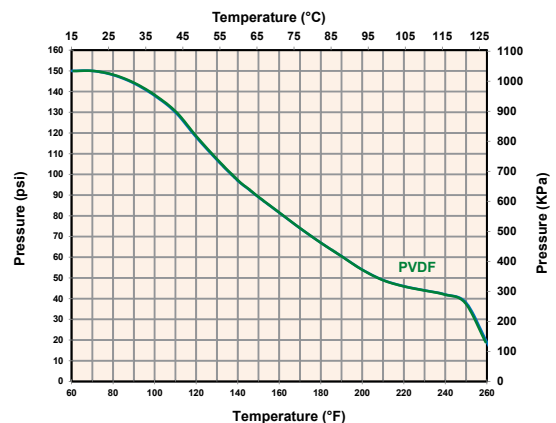
SIZE in / DN	Cv VALUES
1/2 / 15	2.3
3/4 / 20	3.2
1 / 25	3.8

PRESSURE LOSS CALCULATION FORMULA

$$\Delta P = \left[\frac{Q}{C_v} \right]^2$$

ΔP = Pressure Drop
 Q = Flow in GPM
 C_v = Flow Coefficient

OPERATING TEMPERATURE/PRESSURE



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