



SV Series True Union Solenoid Valves

1/4" TO 1" PVC AND CPVC

KEY FEATURES

- PVC and CPVC
- Corrosion-Resistant Polyester Coil
- No Pressure Differential Required for Operation
- Both 1/2" Conduit or SJ-Type Cord Electrical Connection
- 110 VAC Standard
- Normally Closed Design

OPTIONS

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

OPERATING PARAMETERS

For optimum valve performance, inlet pressure must not exceed 120 PSI. Flow velocity must not exceed 5 ft. per second.

MATERIALS

- PVC Cell Class 12454 per ASTM D1784
- CPVC Cell Class 23447 per ASTM D1784
- FPM and EPDM O-Ring Seals

TECHNICAL INFORMATION

SELECTION CHART

SIZE	MATERIAL	END CONNECTION	SEALS	PRESSURE RATING
1/4" – 1" * (DN8 – DN25)	PVC or CPVC	Socket and Threaded	FPM or EPDM	150 PSI @ 70°F Non-Shock

* Sizes are 1/4", 1/2", 3/4" and 1"

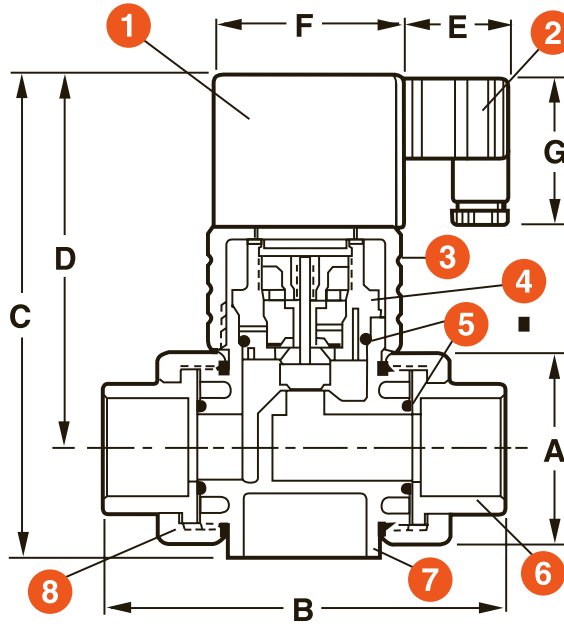
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TECHNICAL INFORMATION, CONTINUED

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
1/4/8	2.25/57	5.30/135	6.30/160	4.60/117	1.60/41	2.60/66	2.00/51	2.79/1.27
1/2/15*	2.25/57	5.30/135	6.30/160	4.60/117	1.60/41	2.60/66	2.00/51	2.81/1.27
3/4/20*	2.63/67	5.50/140	6.60/168	5.10/130	1.60/41	2.60/66	2.00/51	3.01/1.37
1/25*	2.63/67	5.50/140	6.60/168	5.10/130	1.60/41	2.60/66	2.00/51	3.03/1.37

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	SIZE in/DN	Cv VALUES
1/4/8	1.3	3/4/20	3.2
1/2/15	2.3	1/25	3.8

PRESSURE LOSS CALCULATION FORMULA

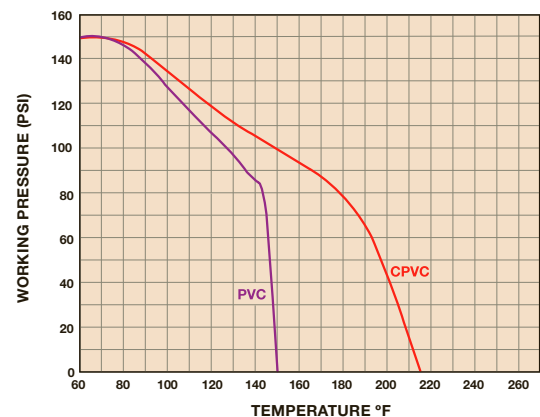
$$\Delta P = \left[\frac{Q}{C_v} \right]^2$$

$$\Delta P = \text{Pressure Drop}$$

$$Q = \text{Flow in GPM}$$

$$C_v = \text{Flow Coefficient}$$

OPERATING TEMPERATURE/PRESSURE



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