AV Series Angle Globe Valves

1/4″ TO 2″ PVC

KEY FEATURES

- PVC
- Space Saving 90° Body
- Panel Mount Lugs on 1/4″ Size
- Fine Pitch Stem Threads for Precision Adjustment
- Reliable Globe Valve Design
- Perfect for Throttling and Changing Flow Direction

OPTIONS

- Flanged Ends

MATERIALS

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

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TECHNICAL INFORMATION

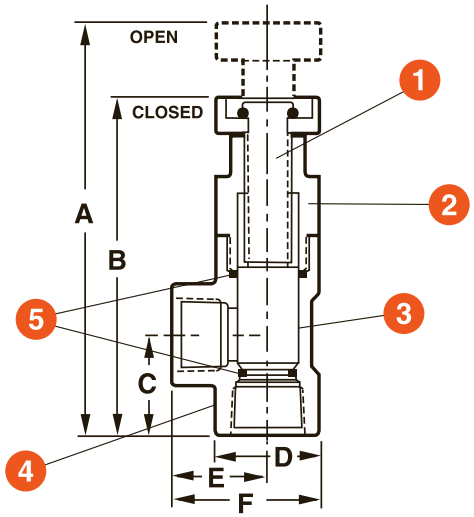
SELECTION CHART

SIZE	MATERIAL	END CONNECTION	SEALS	PRESSURE RATING
1/4″ – 2″ (DN8 – DN50)	PVC	Threaded or Flanged	FPM	150 PSI @ 70°F Non-Shock

TECHNICAL INFORMATION, *CONTINUED*

PARTS LIST

1. Stem
2. Bonnet
3. Piston
4. Body
5. O-Ring



DIMENSIONS

SIZE in/DN	A in/mm	B in/mm	C in/mm	D in/mm	E in/mm	F in/mm	WEIGHT lb/kg
1/4/8	3.63/92	3.19/81	1.06/27	1.00/25	.88/22	1.38/35	.13/.06
1/2/15	5.88/149	4.94/125	1.50/38	1.38/35	1.44/37	2.06/52	.38/.17
3/4/20	6.38/162	5.19/132	1.88/48	1.56/40	1.63/41	2.44/62	.50/.23
1/25	7.44/189	6.19/157	2.06/52	1.94/49	1.94/49	2.75/70	.63/.29
1-1/2/40	10.25/260	8.31/211	2.63/67	2.63/67	2.44/62	3.75/95	1.75/.80
2/50	11.81/300	9.44/240	3.00/76	3.13/80	2.88/73	4.44/113	2.63/1.19

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

Cv VALUES

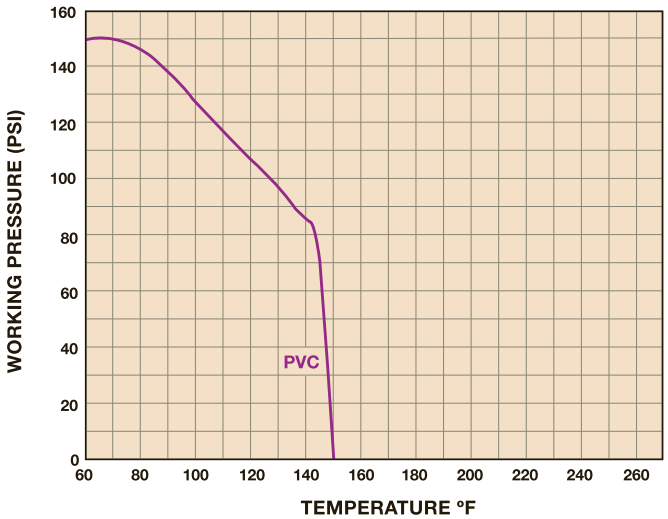
SIZE in/DN	Cv VALUES
1/4/8	1.0
1/2/15	5.0
3/4/20	10.0
1/25	16.0
1-1/2/40	45.0
2/50	70.0

PRESSURE LOSS CALCULATION FORMULA

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

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

OPERATING TEMPERATURE/PRESSURE



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