



AV Series Angle Valves

1/4" TO 2" PVC & CPVC MATERIALS

KEY FEATURES

- Available in PVC and CPVC
- Space Saving Angle Design
- Fine Pitch Stem Threads for Precision Adjustment
- Perfect for Throttling and Changing Flow Direction

MATERIALS

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

TECHNICAL INFORMATION

SELECTION CHART

SIZE*	MATERIAL	END CONNECTION	SEALS	PRESSURE RATING
1/4" – 2" (DN8 – DN50)	PVC or CPVC	Threaded or Flanged	FPM	150 PSI @ 70°F 10 Bar @ 21°C Non-Shock

* Available with threaded ends to BS21.

Brisbane, Australia
www.monarchindustrial.com.au
www.monarchasiapacific.com.au

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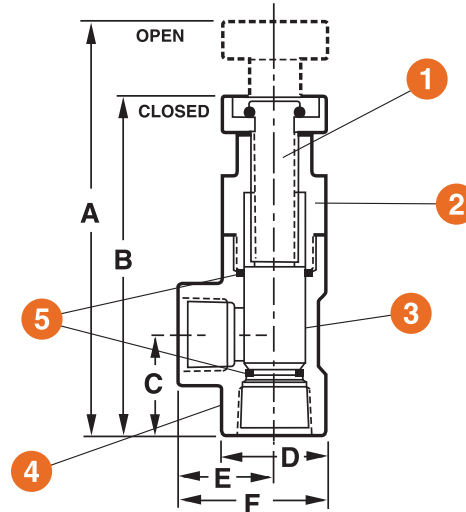
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TECHNICAL INFORMATION, CONTINUED

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

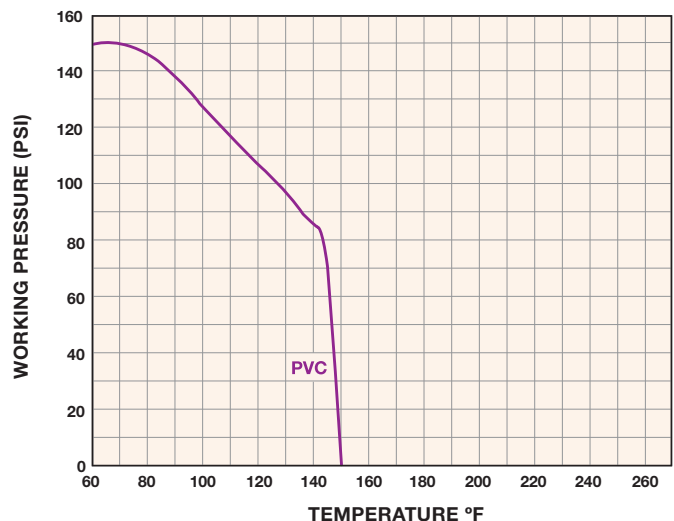
SIZE in / DN	Cv VALUES
1/4 / 8	1.0
1/2 / 15	5.0
3/4 / 20	10.0
1 / 25	16.0
1-1/2 / 40	45.0
2 / 50	70.0

PRESSURE LOSS CALCULATION FORMULA

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

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

OPERATING TEMPERATURE/PRESSURE



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