

# Right-Angle Flow Control Valves

## V50 Models Port Size: 1/8 to 1/2 and Tube Fittings

Model Shown: V50-4



- ◆ Screws directly into a cylinder port.
- ◆ Inlet port swivels for optimum placement.
- ◆ Models available with either knurled-knob adjustment or screwdriver-slot adjustment.
- ◆ Four body sizes.
- ◆ **NPTF** port threads; optional **BSPP** threads. Also push-on tube fittings.

### SPECIFICATIONS

**Ambient/Media Temperature:**

40° to 175°F (4° to 79°C).

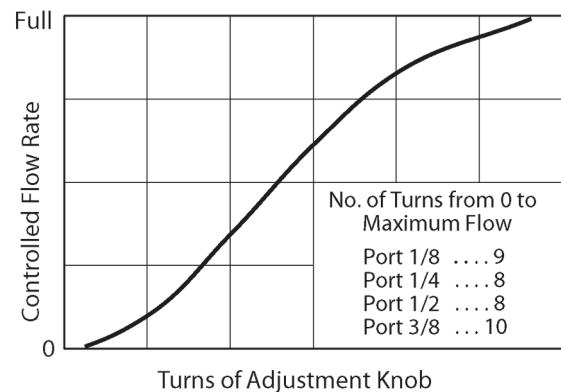
**Flow Adjustment:** Knurled knob or screwdriver slot.

**Fluid Media:** Compressed air.

**Inlet Pressure:**

5 to 150 psig (0.3 to 10 bar) maximum.

TYPICAL PERFORMANCE CURVE



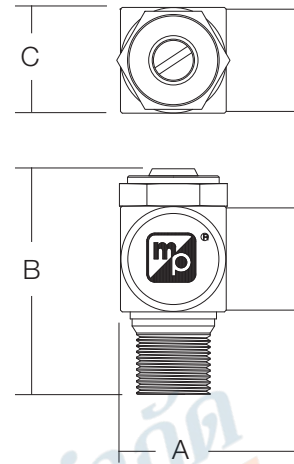
บริษัท ฟลูเทค จำกัด  
FLU-TECH CO.,LTD

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## DIMENSIONS inches (mm)

Port or Tube OD Size	Average $C_v$ (Full Flow)	Type of Adjustment	A	B	C
1/8	0.3	Slot	1.0 (25)	1.4 (36)	0.63 (16)
		Knob	1.0 (25)	1.9 (48)	0.63 (16)
1/4	0.6	Slot	1.3 (33)	1.6 (41)	0.79 (20)
		Knob	1.0 (25)	2.2 (56)	0.63 (16)
3/8	1.9	Slot	1.5 (38)	2.2 (56)	0.94 (24)
		Knob	1.5 (38)	3.0 (77)	0.94 (24)
1/2	2.8	Slot	1.9 (47)	2.7 (68)	1.2 (30)
		Knob	1.9 (47)	3.7 (93)	1.2 (30)



Flow adjustment by screw-driver slot or knurled knob (dotted line).

O-ring seals on adjusting stem provide friction to keep stem in its set position.

Inlet is a swivel port which rotates 360° for optimum placement.

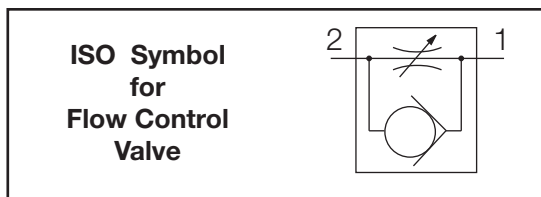
Threads are coated with pipe sealant. Screw directly into cylinder port.

Removable tubing release ring.

## ORDERING INFORMATION

Order by the model number given below.

For **BSPP** port threads add **W** to the end of the model number.



Port or Tube OD Size	Average $C_v$ (Full Flow)	Type of Adjustment	Model Numbers	
			Threaded Inlet	Tube Fitting
1/8	0.3	Slot	V50S-1	V50S-02
		Knob	V50-1	V50-02
1/4	0.6	Slot	V50S-2	V50S-04
		Knob	V50-2	V50-04
3/8	1.9	Slot	V50S-3	V50S-06
		Knob	V50-3	V50-06
1/2	2.8	Slot	V50S-4	—
		Knob	V50-4	—



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