

OEM-STYLE ACRYLIC VARIABLE AREA FLOW METER

**CAPACITIES: Water: 6.5 GPH to 20 GPM
Air: 2 SCFH to 62 SCFM**

FL7000 Series



Optional

- ✓ 50, 75, 100, 127, and 250 mm (1.97, 2.96, 3.94, 5, and 9.85") Scale Lengths
- ✓ Floats are Rod-Guided in Most Models
- ✓ Direct-Reading Scales

FL7000 OEM-style variable area flow meter are precisely machined from solid acrylic blocks. They are available in 50, 75, 100, 127, and 250 mm scale lengths (1.97, 2.96, 5, 3.94, and 9.85") and have accuracies between 2 and 6%.

Model No.	Dimensions mm (inch)							Connection Size
	A	B	C	D	E	F	G	
FL7200	121 (4.8)	25 (1.0)	29 (1.1)	89 (3.5)	38 (1.5)	—	25 (1.0)	¼ FNPT
FL7300	165 (6.5)	35 (1.4)	35 (1.4)	127 (5.0)	64 (2.5)	8 (0.9)	32 (1.3)	½ FNPT
FL7400	213 (8.4)	44 (1.8)	46 (1.8)	197 (7.8)	133 (5.3)	32 (1.3)	32 (1.3)	1 FNPT
FL7500	235 (9.3)	35 (1.4)	35 (1.4)	168 (6.6)	102 (4.0)	8 (0.9)	33 (1.3)	½ FNPT
FL7600	346 (13.6)	44 (1.8)	46 (1.8)	302 (11.9)	203 (8.0)	32 (1.3)	64 (2.5)	¾ FNPT

To Order

Water Model No.	Water Range	Air Model No.	Air Range	Pressure Drop (inH ₂ O)
FL7201	7.0 GPH	FL7211	2.6 SCFH	1.3
FL7202	12.0 GPH	FL7212	5.0 SCFH	2.2
FL7203	20.0 GPH	FL7213	10.0 SCFH	3.5
FL7204	50.0 GPH	FL7214	20.0 SCFH	7.0
FL7205	60.0 GPH	FL7215	30.0 SCFH	9.5
FL7206	75.0 GPH	FL7216	60.0 SCFH	11.8
—	—	FL7217	100.0 SCFH	—
—	—	FL7218	180.0 SCFH	—
—	—	FL7219	4.0 SCFM	—
FL7301	1.0 GPM	FL7311	4.0 SCFM	2.4
FL7302	2.0 GPM	FL7312	8.0 SCFM	4.6
FL7303	3.5 GPM	FL7313	14.5 SCFM	8.5
FL7304	5.0 GPM	FL7314	20.0 SCFM	12.2
FL7401	10.0 GPM	FL7411	40.0 SCFM	9.6
FL7402	15.0 GPM	FL7412	62.0 SCFM	17.3
FL7403	20.0 GPM	—	—	50.3
—	—	FL7511	4.0 SCFM	—
FL7503	2.0 GPM	FL7513	8.2 SCFM	4.8
FL7504	5.0 GPM	FL7514	20.0 SCFM	12.3
FL7601	2.0 GPM	FL7611	8.5 SCFM	2.7
FL7602	3.5 GPM	FL7612	14.5 SCFM	9.5
FL7603	5.0 GPM	FL7613	20.0 SCFM	31.4
FL7604	10.0 GPM	FL7614	40.0 SCFM	50.0

Comes complete with operator's manual.

* Minimum flow rate = 10% of maximum flow rate listed. ** For water units only.

For NIST calibration certificate add suffix "-NIST 5PT" for 5-point calibration, or suffix "-NIST 10PT" for 10-point calibration, for additional cost.

Ordering Examples: FL7302, acrylic variable area flow meter for water, 2 GPM range. FL7313, acrylic variable area flow meter for air, 14.5 SCFM range.



FL7401 shown smaller than actual size.

FL7504 shown smaller than actual size.

SPECIFICATIONS

Construction: Acrylic tube, 316 SS float and guide rod (no guide rod for FL7211 through FL7215 air meters), PVC end fittings (brass on FL7200 series), EPR O-rings

Shipping Weights: FL7200, 7300, 7500: 0.45 kg (1 lb); FL7400: 0.79 kg (1.75 lb); FL7600: 1.25 kg (2.75 lb)

Maximum Pressure/Temperature:

Water Ranges:

125 psig at 21°C (70°F);

54°C (130°F) at 0 psig

Air Ranges: 100 psig at 21°C (70°F);

38°C (100°F) @ 0 psig

Full Scale Accuracy/Repeatability:

FL7200: 6/2%; FL7300: 6/1%;

FL7400: 4/1%; FL7500: 3/1/2%;

FL7600: 2/1/2%

