

OEM-STYLE ACRYLIC ROTAMETERS

CAPACITIES: Water: 6.5 GPH to 20 GPM

Air: 2 SCFH to 40 SCFM

FL4000 Series
Starts at

\$51



Optional††

- ✓ 50, 75, 127, and 250 mm (1.97, 2.96, 5, and 9.85") Scale Lengths
- ✓ Floats are Rod-Guided in Most Models
- ✓ Metering Valves Available
- ✓ Rear Inserts Provided for Panel Mounting
- ✓ Direct-Reading Scales

FL4000 OEM-style rotameters are precisely machined from solid acrylic blocks. They are available in 50, 75, 127, and 250 mm (1.97, 2.96, 5, and 9.85") scale lengths and have accuracies between 2 and 6%. Designed for front-panel mounting, the rear ports extend through the panel for easy hookup. Mounting threads are also provided. Units are available with and without valves.

SPECIFICATIONS

Construction: Acrylic tube, 316 SS float and guide rod (no guide rod for FL4211 through FL4215 air meters), PVC end fittings (brass on FL4200 Series), EPR O-rings, optional brass valve

Max Pressure/Temperature:

Water Ranges:

125 psig @ 21°C (70°F);
54°C (130°F) at 0 psig

Air ranges:

100 psig @ 21°C (70°F);
38°C (100°F) @ 0 psig

Full Scale Accuracy/Repeatability:

FL4200: 6/2%
FL4300 and FL4400: 4/1%
FL4500: 3 1/2%
FL4600: 2 1/2%



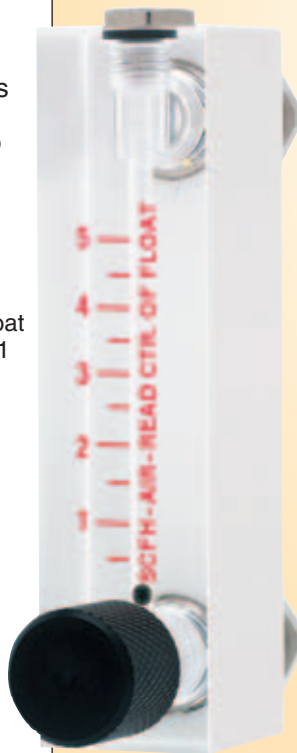
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FL4304, \$65,
shown actual size.

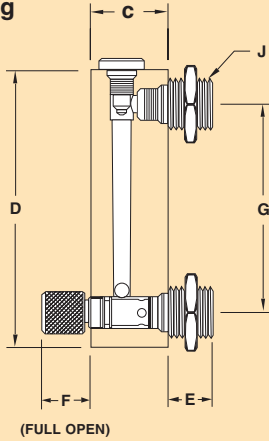


FL4212-V, with
optional valve, \$65,
shown actual size.

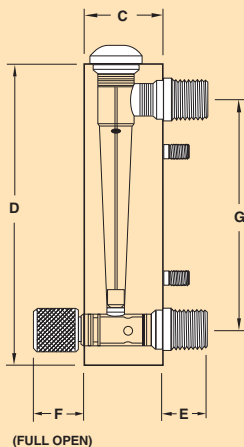
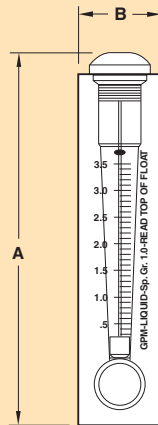


FL4503-V, \$97,
shown actual size.

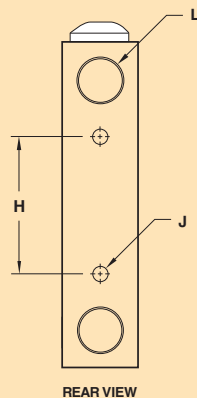
Dimensional Drawing



(FULL OPEN)



(FULL OPEN)



REAR VIEW

Connection: FL4200: ¼ FNPT; FL4300 and FL4500: ¼ FNPT x ½ MNPT; FL4400: 1 MNPT; FL4600: ½ FNPT



Many fittings of various materials and styles are available. See pages T-36 to T-80 or visit omega.com

Dimensions: mm (in)

Dimensions	FL4200	FL4300	FL4400	FL4500	FL4600
A	102 (4.0)	168 (6.6)	225 (8.9)	210 (8¼)	362 (14¼)
B	25 (1.0)	32 (1.3)	44 (1.8)	32 (1¼)	44 (1¾)
C	32 (1.3)	35 (1.4)	46 (1.9)	35 (1⅝)	46 (1⅞)
D	105 (4.1)	173 (6.8)	232 (9.9)	213 (8⅝)	368 (14½)
E	13 (0.5)	25 (1.0)	32 (1.3)	25 (1)	19 (¾)
F	29 (1.1)	32 (1.3)	48 (1.9)	32 (1¼)	48 (1⅞)
G	76 (3.0)	127 (5.0)	165 (6.5)	164 (6⅞)	311 (12¼)
H	—	76 (3.0)	102 (4.0)	100 (3⅝)	222 (8¾)
L	17 (0.7)	25 (1.0)	35 (1.4)	25 (1)	32 (1¼)
J Mounting Thread Size*	†	¼ x 20	¼ x 20	¼ x 20	⅝ x 24

* Threaded stud.

† FL4200 has ⅝" hex lock nuts around ports; requires ¾" holes to be drilled through the panel.

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Water					Air		
Model No.	Price	Range (Max)*	Pressure Drop, inH ₂ O**		Model No.	Price	Range (Max)*
			No Valve	Valve			
FL4201	\$51	7 GPH	1**	1.3**	FL4211	\$51	2.6 SCFH
FL4202	51	12 GPH	15**	17**	FL4212	51	5.0 SCFH
FL4203	51	22 GPH	35**	51**	FL4213	51	10.0 SCFH
FL4204	51	44 GPH	149**	200**	FL4214	51	20.0 SCFH
FL4205	51	60 GPH	100**	250**	FL4215	51	30.0 SCFH
FL4301	65	1 GPM	18**	26**	FL4216	51	60.0 SCFH
FL4302	65	2.0 GPM	70**	125**	FL4217	51	100.0 SCFH
FL4303	65	3.5 GPM	200**	290**	FL4218	51	180.0 SCFH
FL4304	65	5 GPM	290**	440**	FL4219	51	4.0 SCFM
FL4401	100	10 GPM	53	220	FL4411	100	40.0 SCFM
FL4402	100	15 GPM	132	330	FL4412	100	62.0 SCFM
FL4403	100	20 GPM	200	400	—	—	—
FL4501	80	1 GPM	18	33	FL4511	80	4.0 SCFM
FL4502	80	100 GPH	45	75	FL4512	80	6.8 SCFM
FL4503	80	2 GPM	70	155	FL4513	80	8.0 SCFM
FL4504	80	5 GPM	240	400	FL4514	80	20.0 SCFM
FL4601	147	2 GPM	5	21	FL4611	147	8.5 SCFM
FL4602	147	3.5 GPM	13	50	FL4612	147	14.5 SCFM
FL4603	147	5 GPM	20	95	FL4613	147	20.0 SCFM
FL4604	147	10 GPM	110	270	FL4614	147	40.0 SCFM

Comes with complete operator's manual.

* Minimum flow rate = 10% of maximum flow rate listed.

** For water ranges. For air ranges, contact the Flow Department. For units with brass valve, add suffix "-V" to model number and \$14 for FL4200s; \$15 for FL4300s; \$54 for FL4400s; \$17 for FL4500s; and \$29 for FL4600s.

†† For NIST calibration certificate, and "-NIST 5PT" to the model number for 5-point calibration, and \$250, or "-NIST 10PT" for 10-point calibration, and \$300.

Ordering Examples: FL4303-V, acrylic rotameter, 3.5 GPM flow rate, \$80. FL-4613, acrylic rotameter, 40 SCFM max flow, \$147.

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