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Find the *OMEGA FL4511-V* at our website: *Click HERE*

OEM-STYLE ACRYLIC ROTAMETERS

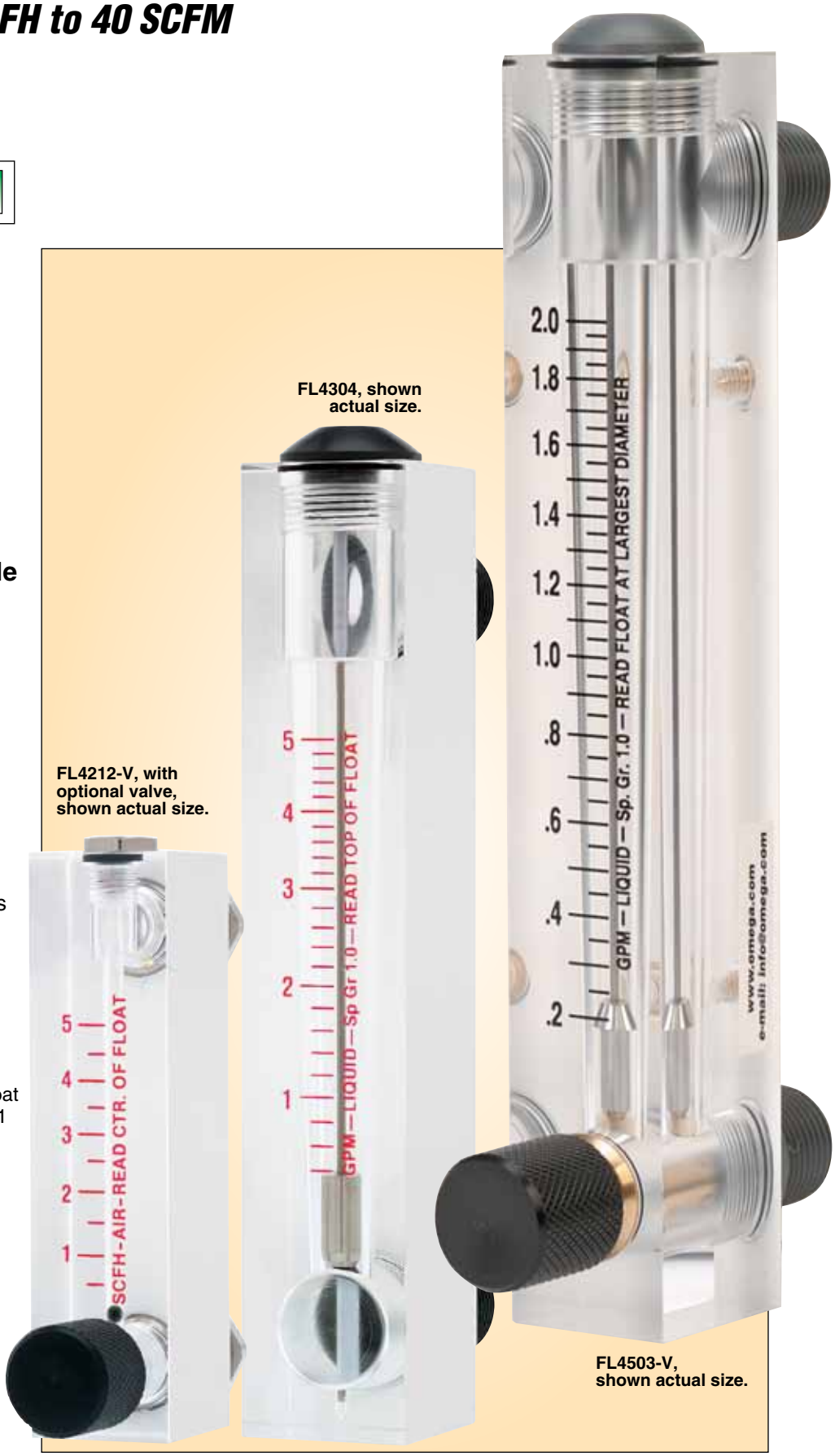
Capacities: Water: 6.5 GPH to 20 GPM
Air: 2 SCFH to 40 SCFM

FL4000 Series

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

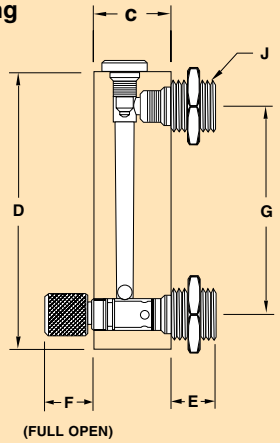
Air Ranges:
100 psig @ 21°C (70°F);
38°C (100°F) @ 0 psig

Full Scale Accuracy/Repeatability:

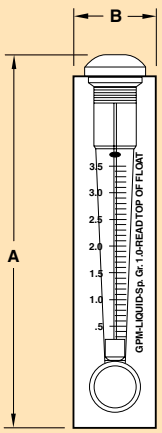
FL4200: 6/2%
FL4300 and FL4400: 4/1%
FL4500: 3/1⁄2%
FL4600: 2/1⁄2%

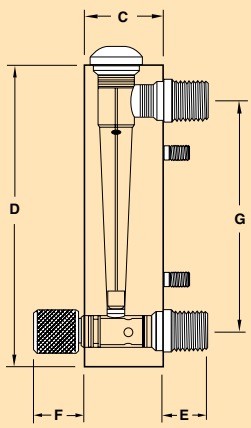
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Dimensional Drawing

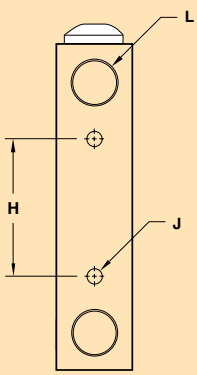


(FULL OPEN)



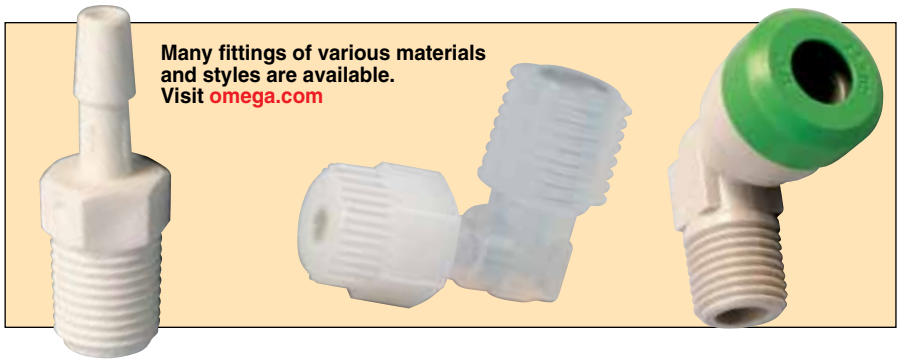


(FULL OPEN)



REAR VIEW

Connection: FL4200: ¼ FNPT; FL4300 and FL-4500: ¼ FNPT x ½ MNPT; FL4400: 1 MNPT; FL4600: ½ FNPT



Dimensions mm (in)	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 (1⅜)	46 (1 13/16)
D	105 (4.1)	173 (6.8)	232 (9.9)	213 (8⅜)	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 (6 7/16)	311 (12¼)
H	—	76 (3.0)	102 (4.0)	100 (3 15/16)	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	⅜ x 24

** Threaded stud.*

† FL4200 has ⅛" hex lock nuts around ports; requires ¾" holes to be drilled through the panel.

To Order *Visit omega.com/fl4200_4600 for Pricing and Details*

Water				Air	
Model No.	Range (Max)*	Pressure Drop, inH_2O** No Valve	Valve	Model No.	Range (Max)*
FL4201	7 GPH	1**	1.3**	**FL4211**	2.6 SCFH
FL4202	12 GPH	15**	17**	**FL4212**	5.0 SCFH
FL4203	22 GPH	35**	51**	**FL4213**	10.0 SCFH
FL4204	44 GPH	149**	200**	**FL4214**	20.0 SCFH
FL4205	60 GPH	100**	250**	**FL4215**	30.0 SCFH
FL4301	1 GPM	18**	26**	**FL4216**	60.0 SCFH
FL4302	2.0 GPM	70**	125**	**FL4217**	100.0 SCFH
FL4303	3.5 GPM	200**	290**	**FL4218**	180.0 SCFH
FL4304	5 GPM	290**	440**	**FL4219**	4.0 SCFM
FL4401	10 GPM	53	220	**FL4411**	40.0 SCFM
FL4402	15 GPM	132	330	**FL4412**	62.0 SCFM
FL4403	20 GPM	200	400	—	—
FL4501	1 GPM	18	33	**FL4511**	4.0 SCFM
FL4502	100 GPH	45	75	**FL4512**	6.8 SCFM
FL4503	2 GPM	70	155	**FL4513**	8.0 SCFM
FL4504	5 GPM	240	400	**FL4514**	20.0 SCFM
FL4601	2 GPM	5	21	**FL4611**	8.5 SCFM
FL4602	3.5 GPM	13	50	**FL4612**	14.5 SCFM
FL4603	5 GPM	20	95	**FL4613**	20.0 SCFM
FL4604	10 GPM	110	270	**FL4614**	40.0 SCFM

Comes complete with 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, additional cost for FL4200s, FL4300s, FL4400s, FL4500s and FL4600s.*

*†† For NIST calibration certificate, and "**-NIST 5PT**" to the model number for 5-point calibration, or "**-NIST 10PT**" for 10-point calibration for additional cost.*

***Ordering Examples: FL4303-V,** acrylic rotameter, 3.5 GPM flow rate.*

***FL-4613,** acrylic rotameter, 40 SCFM max flow.*

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