

# HIGH-ACCURACY SHIELDED ROTAMETERS

**Capacities: 0.002 to 1900 cc/min of Water  
0.2 to 77,000 cc/min of Air**

FL-110 Series  
Starts at

**\$259**



Optional

- ✓ **±2% of Reading Accuracy**
- ✓ **±1% of Reading Repeatability**
- ✓ **PTFE, Glass, and Viton® Construction for Broad Media Compatibility**
- ✓ **Glass and Stainless Steel Floats for Maximum Flow Range**
- ✓ **Polycarbonate Shield for Use in Pressurized Systems**

The FL-110 Series calibrated laboratory rotameters have polycarbonate shields that confine fluid contact to the Viton® or PTFE inserts, polypropylene, and glass tube. The shields also allow for use in pressurized systems or in conditions not fit for glass. These rotameters come in 5 sizes, covering the full range of flows normally encountered with spherical floats.

## SPECIFICATIONS

**Metering Tube:** Borosilicate glass  
**O-Rings:** Viton®; PTFE EPR optional  
**Float:** 316 SS and glass  
**Float Stops:** PTFE  
**Accuracy:** ±2% of reading  
**Max Temp:**  
     **Water:** 82°C (180°F)  
     **Other Fluids:** 93°C (200°F)  
**Max Pressure:** 125 psig (8 bar)



High-clarity polycarbonate shield.

SS float included.

PTFE insert.

Polypropylene bushing with NPT thread.



FL-110, \$259, shown smaller than actual size.

## MOST POPULAR MODELS HIGHLIGHTED!

### To Order (Specify Model Number)

Model No.	Price	Nominal Ranges (cc/min)*		NPT Thread	Max Pressure psig
		Air	Water		
FL-110	\$259	0.2 to 100	0.002 to 1.1	¼	125
FL-111	235	1 to 280	0.01 to 4.0	¼	125
FL-112	254	10 to 1900	0.2 to 36	¼	100
FL-113	254	200 to 14,000	3.0 to 300	¼	75
FL-114	297	1000 to 36,000	10.0 to 850	½	60
FL-115	327	3000 to 77,000	30.0 to 1900	½	50

Comes with complete operator's manual.

For 5-point NIST calibration certificate, add "-NIST5" to model number and \$225 to price.

For 10-point NIST calibration certificate, add "-NIST10" to model number and \$275 to price.

\* For stainless steel float, multiply air ranges by 1.78 and water ranges by 2.14.

**Ordering Example:** FL-112, shielded rotameter, 10 to 1900 cc/min (air) range, \$254.

### Accessories

Model No.	Price	Compatible with Model No.	Description
FL-11	\$15	FL-110, FL-111	6 pack of PTFE O-rings; used to replace standard O-rings when Viton® is not acceptable
FL-12	23	FL-112	
FL-13	14	FL-113	
FL-14	44	FL-114	
FL-15	22	FL-115	
OP-20	79	Reference Book: Calibration: A Technician's Guide	

Tubing and Fittings Available. See Section T.

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