

# HIGH FLOW RATE PURGE ROTAMETERS

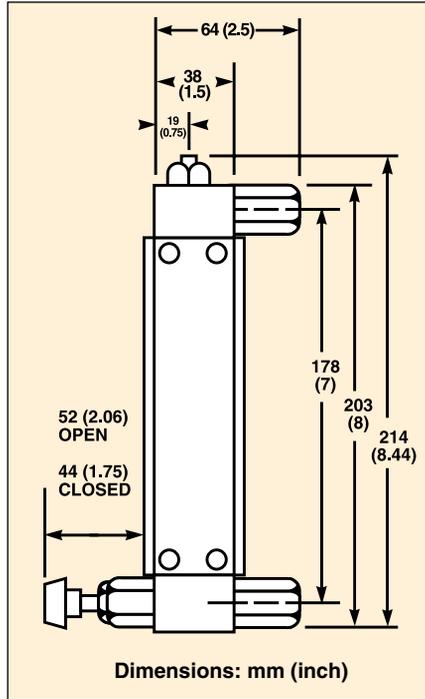
**CAPACITIES: 0.08 to 5.0 GPM for Water,  
0.34 to 15.0 SCFM for Air**

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## FL-1200 Series



- ✓ ±10% Full Scale Accuracy
- ✓ ±½% Full Scale Repeatability
- ✓ Integral Needle Control Valve
- ✓ Side Plate Construction
- ✓ Direct Reading Air and Water Scales
- ✓ 316 SS and Brass Construction Available
- ✓ Shielded for Use in Pressurized Systems
- ✓ Easy-to-Read 65 mm (2.6") Scale



FL-1214 shown smaller than actual size.

The FL-1200 flowmeters provide a low-cost means of flow rate indication. They are designed for applications where precise accuracy requirements for metering are not imperative. These meters are ideal for purge service, sealed oil systems, bearing lubrication, cooling water indication, and other associated applications.

**Temperature:** 121°C (250°F) maximum. Fluid temperatures below 0°C (32°F) will cause frosting of the glass metering tube.  
**Connections:** Horizontal female, ¾ NPT  
**Accuracy:** ±10% full scale  
**Repeatability:** 0.5% full scale  
**Dimensions:** 214 H x 38 W x 116 mm D (8.44 x 1.5 x 4.56")

### SPECIFICATIONS

#### Scales

**Length:** 65 mm (2.6")

**Graduations:** Direct reading in GPM water or SCFM air

#### Construction

**Metering Tube:** Borosilicate glass

**Float:** 316 stainless steel

**Float Stops:** Stainless steel

**End Fittings and Tube Retaining**

**Adaptor:** Chrome-plated brass, 316 stainless steel

**Side Plates:** Chrome-plated brass

**Packing Material:** O-rings: Buna with Brass, FKM with stainless steel

**Packing:** Neoprene with brass, FKM with stainless steel

#### Ratings

**Pressure:** 13.8 bar (200 psig) maximum

### To Order

Model No.	Ranges		Pressure Drop (inches H <sub>2</sub> O)
	Air (SCFM)	Water (GPM)	
FL-1210	–	0.08 to 0.8	13.6
FL-1211	–	0.15 to 1.5	27.0
FL-1212	–	0.25 to 2.5	85.2
FL-1213	–	0.35 to 3.5	121.0
FL-1214	–	0.5 to 5.0	238.0
FL-1201	0.34 to 3.4	–	15.5
FL-1202	0.6 to 6.0	–	30.8
FL-1203	1.2 to 12	–	97.3
FL-1204	1.5 to 15	–	138.3

Comes complete with operator's manual.

For units with brass valve and end fittings, add suffix "-B" to model number, consult flow engineering for cost.

**Ordering Examples:** FL1212-B, high flow rotameter, 0.25 to 2.5 range with brass valve and end fittings.

FL-1202, 0.6 to 6.0 SCFM air.