Model FM-1100 Series and Model FM-1127 Series
High Flow Capacity Flowmeters (70mm, 127mm)

The precision tapered metering tube has integral float guides to ensure float fidelity. The scale is permanently screened on an acrylic window inset in the meter case which makes it interchangeable for economical alteration of meter applications. A float/scale correlation symbol is marked on the window to eliminate error during application changes. The reading edge of the machined float provides precision read-out delineation. Reading edge instructions are also screened on the scale window.

**Design Features**
- Precision tapered, fluted metering tube
- Fully protected assembly using aluminum meter case
- Unobstructed flow path area for low pressure drop increases available flow rates at low feed pressures
- Precision machined float
- Spring float stops absorb line shock
- Float/Scale correlation symbol and float reading edge instructions permanently screened on meter window
- Corrosion resistant option: all wetted parts of 316 stainless steel with Viton or EPR seals
- Custom scales and flow curves available

**Specifications**
- **Pressure Rating**: 200 psig maximum operating pressure @ 200°F
- **Temperature Rating**: 250°F maximum operating temperature
- **Accuracy**: ±10% of full scale flow rate
- **Range**: 10 to 1, i.e., 100% to 10% of full scale
- **Scale Reading**: Direct reading air (special other scales available)
- **Shipping Weight**: 2 lbs

**Materials of Construction**
- Wetted End Blocks, Fittings and Internal Parts: Brass or 316 stainless steel
- **Seal Materials**: Buna-N or Viton – standard; Teflon, Kalrez or EPR – optional
- **Meter Case**: Black painted or anodized aluminum with acrylic window
- **Metering Tube**: Brass or 316 stainless steel 3/8” NPT Female (see Accessories for optional connections)
- **Piping Connections**: Brass or 316 stainless steel
- **Float Material**: 316 stainless steel
- **Scale**: Permanently screened on inside of meter window, length FM-1100 – 70mm or FM-1127 – 127mm.

**Dimensions FM-1100 and FM-1127 Flowmeters**
*See pages 370 for engineering drawing.*

- See pages 351 for additional general information.
- See page 355 for Tube-Cube® information.
- See page 364 for Replacement Seal Kits and Parts.

[Flow Measurement & Control]

[Rotameters]
Model FM-1100 Series and Model FM-1127 Series
High Capacity Flowmeters (70mm, 127mm)

Flow Tube Capacities For FM-1100 And FM-1127 Series Flowmeters, Direct Reading Scales

<table>
<thead>
<tr>
<th>MODEL SERIES</th>
<th>NUMBERS</th>
<th>END BLOCKS/SEAL MATERIAL</th>
<th>VALVE TYPES</th>
<th>CONNECTIONS</th>
<th>ACCESSORIES</th>
<th>CONNECTION ORIENTATION</th>
<th>FLOW TUBE (CAPACITIES)</th>
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*All air flow rates are at 70°F and 14.7 psia

FM-1127 Series

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*All air flow rates are at 70°F and 14.7 psia

Ordering Information

Model Number Generator For FM-1100 Series & FM-1127 Series Glass Tube Flowmeters

- **MO D EL SERIES**
  - A = Model FM-1100 Glass Tube Flowmeter with 70mm tube
  - B = Model FM-1127 Glass Tube Flowmeter with 127mm tube

- **NUMBER OF METERING TUBES**
  - 1 = Single Tube Unit

- **END BLOCKS/SEAL MATERIAL**
  - 4 = 316 Stainless Steel with Viton Seals
  - 8 = Brass with Buna-N Seals

- **VALVE TYPES**
  - J = Valve on Inlet
  - L = Valve on Outlet
  - Y = No Valve/No Plug

- **CONNECTIONS**
  - 2 = 1/4” NPT Female
  - 7 = 3/8” NPT Female (std)
  - 8 = 1/2” NPT Female

- **ACCESSORIES**
  - 0 = None
  - 8 = Externally Threaded Connections for Panel Mounting

- **CONNECTION ORIENTATION**
  - 1 = Back In and Back Out

- **FLOW TUBE (CAPACITIES)**
  - AXXX = See Capacity Table For FM-1100 Series Flowmeters
  - BXXX = See Capacity Table For FM-1127 Series Flowmeters

- **ADDITIONAL OPTIONS**
  - • + / - 1% Accuracy, Full Scale, With Certification, Reference Scales
  - • + / - 10% Accuracy, Full Scale, With Certification, Direct Read Scales
  - • Clean for O2 Service

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