



SMALL MECHANICAL FLOWMETERS with Nylon End Caps



NEW! Reinforced Nylon End Caps reduce weight and cost of proven mechanical flowmeter design.

Stainless steel stabilizer ring holds threads stable, preventing distortion. Nylon material provides dielectric insulator to help prevent galvanic action due to dissimilar metals.

General Description

Smartflow® mechanical flowmeters are durable, vane-operated devices that provide visual indication of flow rate in many different styles and sizes. Rugged wetted parts are compatible with many process liquids.

Optional temperature and pressure gauges add functionality and flexibility to Smartflow® flowmeters. Brass quick-connect fittings are available to create an excellent, portable tool for determining flow and locating clogged lines.

Features and Benefits

- **Compact size** works well in restricted-space locations.
- **Rugged construction** gives years of dependable service.
- **Variety of inlet sizes** provides exactly the right connection.
- **210°F (99°C) Temperature Rating** allows installation into a wide range of applications.
- **Optional Temperature and Pressure Gauges** display pressure and temperature information in addition to flow in one unit.
- **Common Flowmeter Configurations Stocked** to provide same-day delivery in most cases.
- **No Mounting Restrictions** ease installation in any position without extra brackets or hardware.

Wetted Parts and Materials

End CapsGlass-Filled Nylon
 Flow BodyPolysulfone
 VaneGlass-Filled Nylon
 SpringStainless Steel
 O-RingsEPDM
 Cap Screws.....Zinc-Plated Steel
 Optional Quick-Connect FittingsBrass

Specifications

Flow Accuracy±10% full scale
 Operating Temperature210°F max.
 (99°C max.)
 Operating Pressure.....75 psi max.
 (5.2 bar max.)
 Dial Thermometer0° to 250°F
 (-20° to 120°C)
 ±2% accuracy (full scale)
 Pressure Gauge0 to 100 psi
 (0 to 700 Kpa)
 ±3% accuracy (full scale)



Tel. 800-764-3518
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Design and specifications are subject to change without notice.



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Model Number

FP 3 - B - 80

Inlet Size		Flow Rate (maximum)
1/4"NPT(F)	2	15 1.5 gpm
1/4"BSPP(F)	2B	(gallons per minute)
3/8"NPT(F)	3	25 2.5 gpm
3/8"BSPP(F)	3B	80 8.0 gpm
1/2"NPT(F)	4	100 10 lpm (liters per minute)
		300 30 lpm

Accessories

- A** Flowmeter only
- B** Thermometer
- C** Thermometer and pressure gauge
- CL** Thermometer and liquid-filled pressure gauge
- D** Thermometer, pressure gauge, quick change socket and plug
- DL** Thermometer, liquid-filled pressure gauge, quick change socket and plug
- E** Thermometer and quick change socket and plug
- F** Pressure gauge
- FL** Liquid-filled pressure gauge

