

IN-LINE FLOWMETERS WITH HALF UNION ADAPTORS

FL45100 Series



Optional

Flowmeters available with optional protective shield (shown) or 90° adaptors for panel mounting (not shown)

- ✓ Available in In-Line and Panel Mount Styles
- ✓ Models with Optional Protective Shield for Harsh Environments
- ✓ One-Piece Meter Body of Injection-Molded Polysulfone
- ✓ Floats Made of 316 SS, TFE, or Hastelloy C

FL45100 Series flowmeters feature a rugged, one-piece meter body of heat- and chemical-resistant injection-molded polysulfone. A precision-textured light-admitting surface at the rear of the meter body diffuses ambient light and creates a softly illuminated background to enhance readability. These meters are not recommended for applications involving direct sunlight. Additional features include a stainless steel float guide and float, 1 FPT polysulfone adaptors, and FKM O-ring seals. For harsh applications, units may be ordered with Hastelloy® C float guide and float of either Hastelloy or TFE (depending on flow range).

SPECIFICATIONS

Accuracy: ±3%
Meter Body: Molded polysulfone
O-Ring Material: FKM
Float: 316 SS standard; Hastelloy® C optional
Temperature Limit: 100°C (212°F) at 0 psi
Pressure Limit: 10 bar (150 psi) at 21°C (70°F)
Maximum Pressure Drop: 1.0 psi
Capacity: 1 to 40 GPM
Adaptor Size: 1 FNPT
Dimensions: 368 H x 84 mm W (14.5 x 3.3"); with 90° adaptors: 432 H x 381 mm W (17 x 15")
Weight: 1.4 kg (3 lb)

FL45103-SH, with protective shield, shown smaller than actual size.

Caution: Polysulfone should not be used in direct sunlight or any other significant sources of ultraviolet light.



FL45102 shown smaller than actual size.

To Order				
Model No.	GPM	LPM	Float Material	Connection, NPT
FL45101	1 to 10	4 to 40	316 SS	1 FNPT
FL45102	2 to 20	7.5 to 75	316 SS	1 FNPT
FL45103	3 to 30	12 to 115	316 SS	1 FNPT
FL45104	4 to 40	15 to 155	316 SS	1 FNPT

Comes complete with operator's manual.

For Hastelloy C float material for harsh environments, add suffix "-HL" to model number for additional cost.

For units with protective shield, add suffix "-SH" to model number for additional cost.

For units with 90° adaptors for panel mount installations, add suffix "-PM" to model number, consult flow engineering for price. Models with 90° adaptors have a 1 MNPT connection.

For 5-point NIST calibration, add suffix "-NIST" to model number, for additional cost.

Ordering Examples: FL45102-HL, meter with 2.0 to 20 GPM, 7.5 to 75 LPM ranges with Hastelloy C float for harsh environments.

FL45101, water flowmeter, 1 to 10 GPM or 4 to 40 LPM.