# IN-LINE FLOWMETERS WITH HALF UNION ADAPTORS

FL45100 Series Starts at









Optional †

- 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)

Max 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)

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

> FL45103-SH, with protective shield 7, shown smaller than actual size.

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

## MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)					
Model No.	Price	GPM	LPM	Float Material	Connection, NPT
FL45101	\$274	1 to 10	4 to 40	316 SS	1 FNPT
FL45102	288	2 to 20	7.5 to 75	316 SS	1 FNPT
FL45103	314	3 to 30	12 to 115	316 SS	1 FNPT
FL45104	331	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 and **\$275** to price.

For units with protective shield, add suffix "-SH" to model number, consult flow engineering for price. 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 and \$375 to price.

Ordering Examples: FL45102-HL, meter with 2.0 to 20 GPM, 7.5 to 75 LPM ranges with Hastelloy C float for harsh environments, \$288 + 275 = \$563.

FL45101, water flowmeter, 1 to 10 GPM or 4 to 40 LPM, \$274.

Recommended Reference Book: A Dictionary of Chemistry, CH-5527, \$16. See Section Y for Additional Books





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