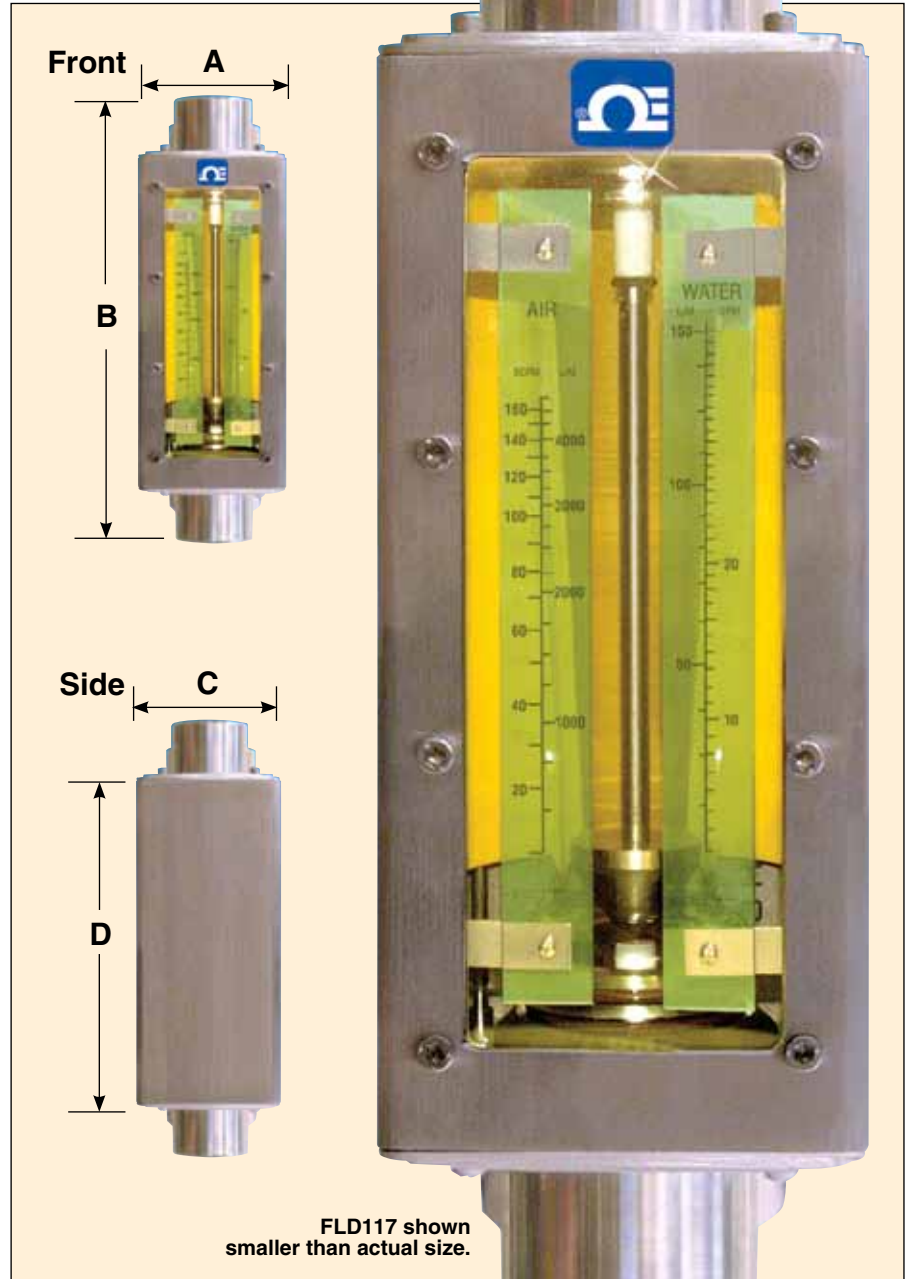


STAINLESS STEEL FRAME INDUSTRIAL FLOW METERS

FLD100 Series



- ✓ Heavy-Duty Stainless Steel
- ✓ Thick Polycarbonate Safety Shields
- ✓ Direct Reading Metric and English System Scales
- ✓ Unique Design Facilitates Ease of Maintenance Cleaning Processes
- ✓ Fluted Tubes on Tube Sizes 3 and 4 Tapered Tubes on Larger Sizes



The FLD100 Series heavy-duty flow meters are fully enclosed in a brushed stainless steel case. Ideal for industrial applications with flow rates up to 116 GPM and 250 SCFM. Used with industrial water and air service. Meters are graduated for direct reading of water and air. Flow meters come standard with FNPT end fittings for easy in-line installation or ANSI 150 flanges (-FL)

| Tube Size | NPT (F) | Dimensions: mm (inch) | | | |
|-----------|---------|-----------------------|----------------|---------------|----------------|
| | | A | B* | C | D |
| 3 and 4 | 1/2 | 51 (2) | 242 (9.54) | 57 (2.25) | 204 (8.04) |
| 5 and 6 | 1 | 89 (3.5) | 348 (13.69) | 95 (3.75) | 267 (10.5) |
| 8 and 9 | 2 | 127 (5) | 396 (15.59) | 133 (5.25) | 293 (11.55) |

* Without flange

SPECIFICATIONS

Accuracy: ±3% of full scale

Minimum Flow Rate: Approximately 10% of maximum flow rate

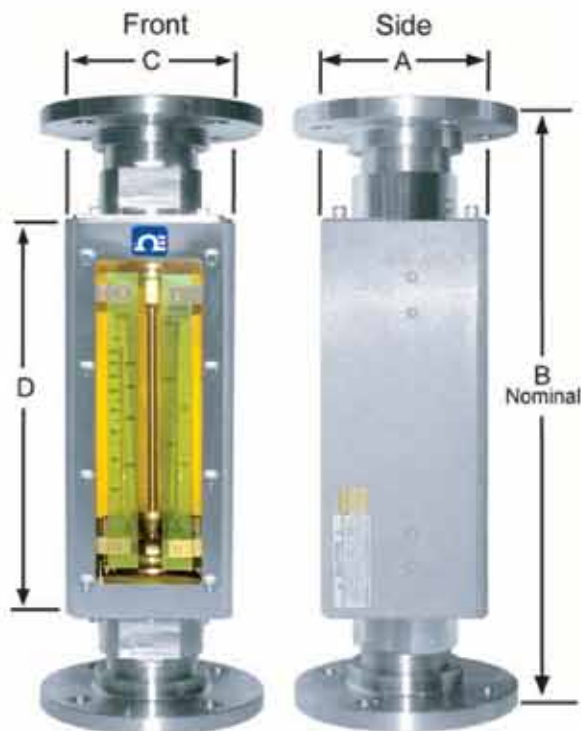
Repeatability: ±0.5% of full scale

Maximum Pressure: [at 93°C (200°F)] 200 psi (tube sizes 3, 4, 5 and 6); 125 psi (tube sizes 8 and 9)

Maximum Operating Temperature: 93°C (200°F)

Wetted Parts: Include borosilicate glass flow tubes, FKM O-rings, and 316 SS fittings, guide rods, floats and float stops.

Optional O-rings: Buna or EPR



| Tube Size | Dimensions: mm (inch) | | | | |
|-----------|-----------------------|------------|---------------|--------------|---------------|
| | Flange Size | A | B Nominal | C | D |
| 3 and 4 | 19.05 (¾) | 50.8 (2) | 243.3 (9.58) | 57.15 (2.25) | 204.2 (8.04) |
| 5 and 6 | 38.1 (1½) | 88.9 (3.5) | 359.4 (14.15) | 95.25 (3.75) | 266.7 (10.50) |
| 8 and 9 | 63.5 (2½) | 127 (5) | 456.7 (17.98) | 133.4 (5.25) | 293.4 (11.55) |

| To Order | | | | | | | |
|----------------------|------------------------|---------------|----------|-------------|-----------|-----------|----------------------------------|
| FPNT Mount Model No. | Flange Mount Model No. | Max Flow Rate | | | | | |
| | | Water GPM | Air SCFM | Water L/min | Air L/min | Tube Size | Pressure Drop " H ₂ O |
| FLD101 | FLD101-FL | 0.25 | 1.2 | 0.95 | 35 | 3 | < 2 |
| FLD102 | FLD102-FL | 0.36 | 1.7 | 1.3 | 50 | 3 | 2 |
| FLD103 | FLD103-FL | 0.76 | 3.3 | 3 | 90 | 3 | 5 |
| FLD104 | FLD104-FL | 1.0 | 4.2 | 3.7 | 120 | 4 | 6 |
| FLD105 | FLD105-FL | 1.5 | 6.5 | 5.6 | 180 | 4 | 8 |
| FLD106 | FLD106-FL | 2.2 | 8.5 | 8.2 | 250 | 4 | 10 |
| FLD107 | FLD107-FL | 3.8 | 16 | 14 | 475 | 5 | 10 |
| FLD108 | FLD108-FL | 5.0 | 21.5 | 18 | 650 | 5 | 14 |
| FLD109 | FLD109-FL | 6.0 | 25.5 | 20 | 725 | 6 | 5 |
| FLD110 | FLD110-FL | 7.4 | 30 | 27.5 | 900 | 6 | 6 |
| FLD111 | FLD111-FL | 9.6 | 40 | 35 | 1200 | 6 | 10 |
| FLD112 | FLD112-FL | 11 | 47.5 | 40 | 1400 | 6 | 13 |
| FLD113 | FLD113-FL | 14 | 62 | 50 | 1800 | 6 | 24 |
| FLD114 | FLD114-FL | 20 | 90 | 75 | 2600 | 6 | 39 |
| FLD115 | FLD115-FL | 22 | 90 | 83 | 2550 | 8 | 16 |
| FLD116 | FLD116-FL | 26 | — | 98 | — | 6 | 70 |
| FLD117 | FLD117-FL | 41 | 160 | 155 | 4531 | 9 | 5 |
| FLD118 | FLD118-FL | 44 | 180 | 167 | 5098 | 8 | 30 |
| FLD119 | FLD119-FL | 60 | 245 | 227 | 6938 | 9 | 16 |
| FLD120 | FLD120-FL | 61 | 250 | 231 | 7080 | 8 | 40 |
| FLD121 | FLD121-FL | 86 | — | 326 | — | 9 | 25 |
| FLD122 | FLD122-FL | 116 | — | 439 | — | 9 | 45 |

Comes complete with operator's manual. NIST traceable calibration not available.

For oxygen cleaning add suffix "-02CLEAN" to model number, for additional cost.

Ordering Examples: FLD106, 2.2 GPM flow meter for water and air.

FLD120, 61 GPM flow meter for water and air.

FLD116-FL, 26 GPM flow meter for water with optional ANSI 150 flange.