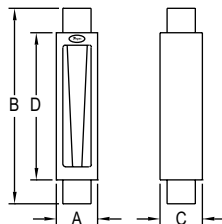


# INDUSTRIAL DIRECT READING FLOWMETERS

Air/Water Direct Reading Scale, 304 SS Protective Shield



| DIMENSIONS |            |          |             |             |             |
|------------|------------|----------|-------------|-------------|-------------|
| Tube Size  | Female NPT | A        | B           | C           | D           |
| 1 and 2    | 1/2"       | 2 [50.8] | 9.54 [242]  | 2.25 [57.2] | 8.04 [204]  |
| 3 and 4    | 1"         | 3.5 [89] | 13.69 [348] | 3.75 [95.3] | 10.50 [267] |
| 5 and 6    | 2"         | 5 [127]  | 15.59 [396] | 5.25 [133]  | 11.55 [293] |

The **SERIES IF** Industrial Direct Reading Flowmeters are flowmeters that directly measure flow rates up to 116 GPM (439 LPM) for water and 250 SCFM (7080 LPM) for air service.

## FEATURES/BENEFITS

- Direct read scales with no need for correlation charts saves time
- Detachable, clear 3/16" thick polycarbonate front shield provides protection at maximum rated temperature and pressure

## APPLICATIONS

- Gas or liquid metering
- Industrial pneumatic or hydraulic systems

## SPECIFICATIONS

**Service:** Liquids or gases.  
**Wetted Materials:** Flowtube: Borosilicate glass; float, guide rods, float stops, end; Fittings: 316 SS; O-rings: Fluoroelastomer.  
**Temperature Limit:** 200°F (93°C).  
**Pressure Limit:** 200 psi (13.8 bar); 125 psi for tube size 5 & 6.

**Accuracy:** ±3% of FS.  
**Repeatability:** ±0.5% of FS.  
**Turn-Down Ratio:** 10:1.  
**Scale:** Dual scale GPM and SCFM.  
**Process Connection:** See table.  
**Mounting:** Vertical.  
**Front Shield:** Polycarbonate.  
**Side Panels:** 304 SS.

## OPTIONS

| Use order code: | Description                            |
|-----------------|--|
| NISTCAL-FL1     | NIST traceable calibration certificate |

## MODEL CHART

| Model  | Maximum Flow Rate |                | Tube Size | Press. Drop (in H <sub>2</sub> O) | Model  | Maximum Flow Rate |                | Tube Size | Press. Drop (in H <sub>2</sub> O) | Model  | Maximum Flow Rate |                | Tube Size | Press. Drop (in H <sub>2</sub> O) |
|--------|-------------------|----------------|-----------|-----------------------------------|--------|-------------------|----------------|-----------|-----------------------------------|--------|-------------------|----------------|-----------|-----------------------------------|
|        | Water GPM (LPM)   | Air SCFM (LPM) |           |                                   |        | Water GPM (LPM)   | Air SCFM (LPM) |           |                                   |        | Water GPM (LPM)   | Air SCFM (LPM) |           |                                   |
| IF2700 | 0.25 (0.95)       | 1.2 (35)       | 1         | -                                 | IF2708 | 6 (20)            | 25.5 (725)     | 4         | 5                                 | IF2716 | 41 (155)          | 160 (4531)     | 6         | 5                                 |
| IF2701 | 0.36 (1.3)        | 1.7 (50)       | 1         | 2                                 | IF2709 | 7.4 (27.5)        | 30 (900)       | 4         | 6                                 | IF2717 | 44 (167)          | 180 (5098)     | 5         | 30                                |
| IF2702 | 0.76 (3.0)        | 3.3 (90)       | 1         | 5                                 | IF2710 | 9.6 (35)          | 40 (1200)      | 4         | 10                                | IF2718 | 60 (227)          | 245 (6938)     | 6         | 16                                |
| IF2703 | 1 (3.7)           | 4.2 (120)      | 2         | 6                                 | IF2711 | 11 (40)           | 47.5 (1400)    | 4         | 13                                | IF2719 | 61 (231)          | 250 (7080)     | 5         | 40                                |
| IF2704 | 1.5 (5.6)         | 6.5 (180)      | 2         | -                                 | IF2712 | 14 (50)           | 62 (1800)      | 4         | 24                                | IF2720 | 86 (326)          | -              | 6         | 25                                |
| IF2705 | 2.2 (8.2)         | 8.5 (250)      | 2         | 10                                | IF2713 | 20 (75)           | 90 (2600)      | 4         | 39                                | IF2721 | 116 (439)         | -              | 6         | 45                                |
| IF2706 | 3.8 (14)          | 16 (475)       | 3         | 10                                | IF2714 | 22 (83)           | 90 (2550)      | 5         | 16                                |        |                   |                |           |                                   |
| IF2707 | 5 (18)            | 21.5 (650)     | 3         | 14                                | IF2715 | 26 (98)           | -              | 4         | 70                                |        |                   |                |           |                                   |