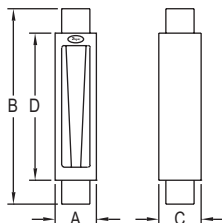


# INDUSTRIAL DIRECT READING FLOWMETERS

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 and 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.

## MODEL CHART

| Maximum Flow Rate |                 |                |   | Tube Size | Press. Drop (in H <sub>2</sub> O) | Maximum Flow Rate |                 |                |   | Tube Size | Press. Drop (in H <sub>2</sub> O) | Maximum Flow Rate |                 |                |   | Tube Size | Press. Drop (in H <sub>2</sub> O) |
|-------------------|-----------------|----------------|---|-----------|-----------------------------------|-------------------|-----------------|----------------|---|-----------|-----------------------------------|-------------------|-----------------|----------------|---|-----------|-----------------------------------|
| Model             | Water GPM (LPM) | Air SCFM (LPM) |   |           |                                   | Model             | Water GPM (LPM) | Air SCFM (LPM) |   |           |                                   | Model             | 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        |                                   |                   |                 |                |   |           |                                   |

## OPTIONS

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

