



Series
IF

Industrial Direct Reading Flowmeter

Air/Water Direct Reading Scale, 304 SS Protective Shield, ±3% Accuracy

Higher Flow Rates Available

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]

FLOW

Ideal for industrial applications, the Series IF Industrial Direct Reading Flowmeters are fully enclosed in a brushed stainless steel case. The flowmeters can directly measure flow rates up to 116 GPM (439 lpm) for water and 250 SCFM (7080 lpm) for air service. The detachable, clear 3/16" thick polycarbonate front shield provides protection at maximum rated temperature and pressure. Each unit is designed with female NPT end fittings for easy in-line installation.

POPULAR MODELS

Model Number	Maximum Flow Rate		Tube Size	Pressure Drop (in. H ₂ O)
	Water GPM	Air SCFM		
IF2700	0.25	1.2	1	—
IF2701	0.36	1.7	1	2
IF2702	0.76	3.3	1	5
IF2703	1	4.2	2	6
IF2704	1.5	6.5	2	—
IF2705	2.2	8.5	2	10
IF2706	3.8	16	3	10
IF2707	5	21.5	3	14
IF2708	6	25.5	4	5
IF2709	7.4	30	4	6
IF2710	9.6	40	4	10
IF2711	11	47.5	4	13
IF2712	14	62	4	24
IF2713	20	90	4	39
IF2714	22	90	5	16
IF2715	26	—	4	70
IF2716	41	160	6	5
IF2717	44	180	5	30
IF2718	60	245	6	16
IF2719	61	250	5	40
IF2720	86	—	6	25
IF2721	116	—	6	45

SPECIFICATIONS

Service: Liquids or gases.

Wetted Materials: Flowtube: Borosilicate glass; Float, Guide Rods, Float Stops, End Fittings: 316 Stainless Steel; O-Rings: Viton®.

Temperature Limit: 200°F (93°C).

Pressure Limit: 200 psi (13.8 bar); 250 psi for tube size 5 & 6.

Accuracy: ±3% of full scale.

Repeatability: ±0.5% of full scale.

Turndown Ratio: 10:1.

Scale: Dual scale GPM and scfm.

Process Connection: See table.

Mounting: Vertical.

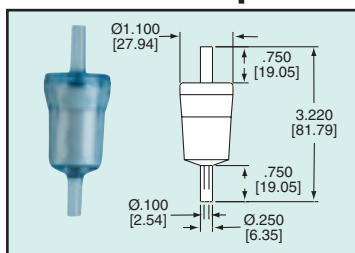
Front Shield: Polycarbonate.

Side Panels: 304 Stainless Steel.



Flowmeter Accessories and Options

Model F195 Disposable In-Line Filter



Remove 99.99% of unwanted particles from within your gas flow with the Model F195 Disposable In-Line Filter. Encapsulated microfiber filter elements are able to filter particles as small as 0.1 micron. Filters are completely disposable – simply remove the filter from your line and throw it away when it becomes dirty. The transparent nylon housing makes it simple to determine if the filter needs to be changed.

SPECIFICATION

Filtration Efficiency: 99.99% (removal of 0.1 micron particles).

Housing Construction: Nylon.

Filter Tube Dimensions: 0.5" ID × 1.3" length.

Maximum Temperature: 230°F @ 0 psig (110°C @ 0 bar), 120°F @ 125 psig (49°C @ 9 bar).

Maximum Pressure: 125 psig (8.6 bar).

Maximum Differential Pressure: 60 psi (4 bar) (in-to-out flow direction), 20 psi (1.4 bar) (out-to-in flow direction).

Internal Volume: 11.5 cc (11.5 ml).

Connections: Barbed for 1/4" I.D. tubing.

Line Pressure vs. Flow

Line Pressure (psig)	1.5	10	20	30	40	60	80	100	125
Gas Flow (scfm)	0.6	0.9	1.3	1.6	2.0	2.7	3.5	4.2	5.7

* 1.5 psi pressure drop.

STOCKED MODEL

Model F195 Disposable In-Line Filter