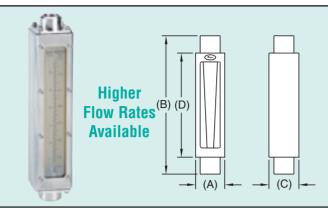


Industrial Direct Reading Flowmeter

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



Dimensions

Tube size	Female NPT	Α	В	С	D
1 and 2	1/2″	2	9.54	2.25	8.04
I aliu z		[50.8]	[242]	[57.2]	[204]
3 and 4	1"	3.5	13.69	3.75	10.50
	'	[89]	[348]	[95.3]	[267]
5 and 6	2"	5	15.59	5.25	11.55
	_	[127]	[396]	[133]	[293]

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 inline installation.

POPULAR MODELS

POPULAN MODELS									
	Maximum Flow Rate			Pressure					
Model	Water	Air	Tube	Drop					
Number	GPM	SCFM	Size	(in. H ₂ O)					
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					
	Model Number IF2700 IF2701 IF2702 IF2703 IF2704 IF2705 IF2706 IF2707 IF2708 IF2709 IF2710 IF2711 IF2712 IF2713 IF2714 IF2715 IF2716 IF2717 IF2718 IF2717	Model Number GPM IF2700 0.25 IF2701 0.36 IF2702 0.76 IF2703 1 IF2704 1.5 IF2705 2.2 IF2706 3.8 IF2707 5 IF2708 6 IF2709 7.4 IF2710 9.6 IF2711 11 IF2712 14 IF2713 20 IF2714 22 IF2715 26 IF2716 41 IF2717 44 IF2717 44 IF2718 60 IF2719 61 IF2719 61 IF2719 61	Maximum Flow Rate Water QPM SCFM	Model Number Water GPM Air SCFM Tube Size IF2700 0.25 1.2 1 IF2701 0.36 1.7 1 IF2702 0.76 3.3 1 IF2703 1 4.2 2 IF2704 1.5 6.5 2 IF2705 2.2 8.5 2 IF2706 3.8 16 3 IF2707 5 21.5 3 IF2708 6 25.5 4 IF2709 7.4 30 4 IF2710 9.6 40 4 IF2711 11 47.5 4 IF2712 14 62 4 IF2713 20 90 4 IF2714 22 90 5 IF2715 26 — 4 IF2716 41 160 6 IF2717 44 180 5 IF2719 61	Model Number Water GPM Air SCFM Tube Size Drop (in. H₂O) 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				

SPECIFICATIONS

Service: Liquids or gases.

Wetted Materials: Flowtube: Borosilicate glass: Float.

Guide Rods, Float Stops, End Fittings: 316 Stainless Steel;

O-Rinas: 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.

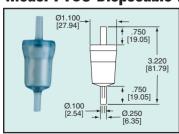
Front Shield: Polycarbonate.

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.

STOCKED MODEL

Model F195 Disposable In-Line Filter

SPECIFICATION

Filtration Efficiency: 99.99% (removal of 0.1 micron particles). Housing Construction: Nylon.
Filter Tube Dimensions: 0.5" ID × 1.3"

Maximum Temperature: 230°F @ 0

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

Maximum Pressure: 125 psig (8.6

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. tub-

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.