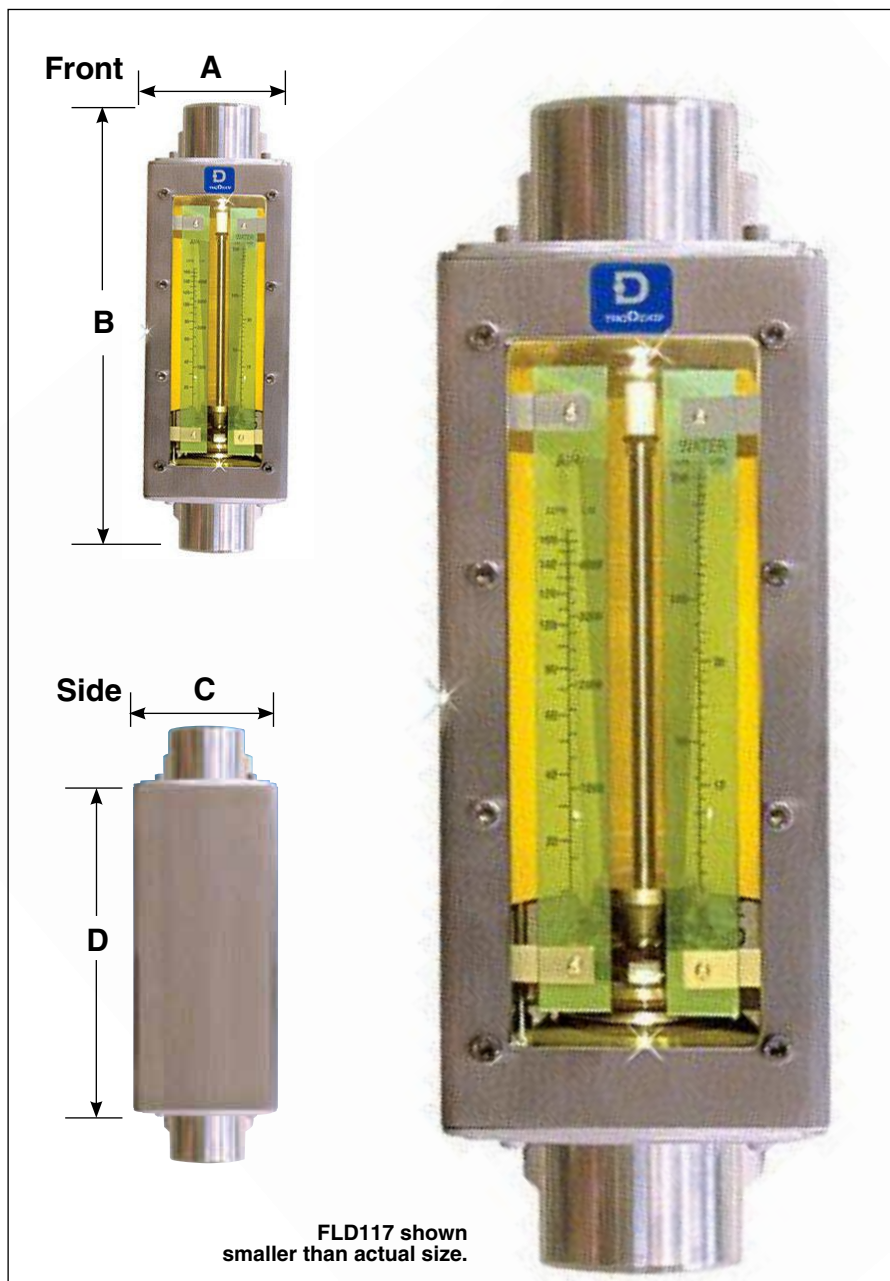


# STAINLESS STEEL FRAME INDUSTRIAL FLOW METERS

## 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 <sub>2</sub> 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.