

# 6AL PANEL MOUNT PTFE / FEP FLOW METERS

Incorporating the principles of traditional variable area flow technology, these rugged PTFE-FEP flow meters offer solutions for low to medium flow range measurements of highly corrosive or ultra-pure liquids.

## PTFE FEP Flow Meters



## FEATURES

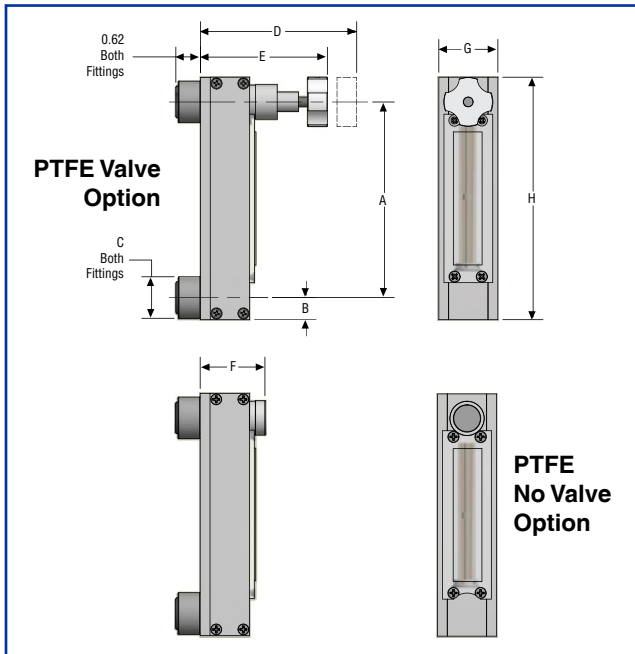
- ✓ Resistant to external, ambient corrosives.
- ✓ Panel mountable, by means of KYNAR® panel nuts.
- ✓ Leak Integrity 1 X 10<sup>-7</sup> sccs Helium or better.
- ✓ Chemically inert wetted components constructed from FEP PTFE and PCTFE.
- ✓ Non-fluid contacting structurally rigid frame constructed from polypropylene and Kynar®.
- ✓ Overlapping flow ranges are available for water from 5 mL/min (0.00132 GPM) to 45 L/min (12 GPM).
- ✓ Supplied with or without built-in needle valves.

## SPECIFICATIONS FOR PTFE FEP FLOW METERS

**SCALES:** Direct reading scales for liquids with 1.0 specific gravity.  
**ACCURACY:** +5% of full scale.  
**MAX. TEMPERATURE:** 250 °F (121 °C).  
**MAX PRESSURE:** 100 PSIG (6.7 BARS).  
**FLOW TUBES:** FEP.  
**FLOATS:** PTFE (Sapphire Size for Models 6AL7101LN, 6AL7101LV).  
**WETTED PARTS:** FEP (flow tubes) and PTFE (end fittings and floats) and PCTFE (guide rods).



The selection of materials of construction, is the responsibility of the customer. The company accepts no liability.



DIMENSIONS FOR PTFE-FEP FLOW METERS									
METER SIZE	DIMENSIONAL CODING								SCALE LENGTH
	A	B	C	D	E	F	G	H	
C	4.97	0.56	1.06	3.42	3.22	1.65	1.50	6.16	75mm
D	4.97	0.56	1.25	4.72	4.32	1.95	1.75	6.16	75mm
E	8.72	0.88	1.75	4.64	4.14	2.25	2.25	10.47	125mm
F	8.47	1.00	1.75	6.00	5.06	2.80	2.50	10.47	125mm

\*Dimensions are in inches, except as shown in [mm]; for certified dimensions contact the company.

TABLE 28, PTFE-FEP FLOW METERS FOR WATER (NO VALVE OPTION)					
METER SIZE	MODEL NO.	MAXIMUM FLOW		BUILT-IN VALVE	CONNECTION
		mL/min	gph		
C	6AL7101LN	75	1.2	No	1/4" FNPT
	6AL7102LN	250	4.0	No	
	6AL7103LN	400	6.5	No	
	6AL7104LN	500	8.0	No	
	6AL7105LN	1000	16.0	No	
METER SIZE	MODEL NO.	MAXIMUM FLOW		BUILT-IN VALVE	CONNECTION
		L/min	gph		
D	6AL7110LN	2.0	31.0	No	3/8" FNPT
	6AL7111LN	2.5	40.0	No	
	6AL7112LN	3.0	47.5	No	
	6AL7113LN	5.0	80.0	No	
METER SIZE	MODEL NO.	MAXIMUM FLOW		BUILT-IN VALVE	CONNECTION
		L/min	gpm		
E	6AL7120LN	13	3.4	No	1/2" FNPT
	6AL7121LN	20	5.25	No	
F	6AL7122LN	30	8.0	No	3/4" FNPT
	6AL7123LN	40	10.5	No	
	6AL7124LN	45	12.0	No	
TABLE 28-1, PTFE-FEP FLOW METERS FOR WATER (VALVE OPTION)					
METER SIZE	MODEL NO.	MAXIMUM FLOW		BUILT-IN VALVE	CONNECTION
		mL/min	gph		
C	6AL7101LV	75	1.2	Yes	1/4" FNPT
	6AL7102LV	250	4.0	Yes	
	6AL7103LV	400	6.5	Yes	
	6AL7104LV	500	8.0	Yes	
	6AL7105LV	1000	16.0	Yes	
METER SIZE	MODEL NO.	MAXIMUM FLOW		BUILT-IN VALVE	CONNECTION
		L/min	gph		
D	6AL7110LV	2.0	31.0	Yes	3/8" FNPT
	6AL7111LV	2.5	40.0	Yes	
	6AL7112LV	3.0	47.5	Yes	
	6AL7113LV	5.0	80.0	Yes	
METER SIZE	MODEL NO.	MAXIMUM FLOW		BUILT-IN VALVE	CONNECTION
		L/min	gpm		
E	6AL7120LV	13	3.4	Yes	1/2" FNPT
	6AL7121LV	20	5.25	Yes	
F	6AL7122LV	30	8.0	Yes	3/4" FNPT
	6AL7123LV	40	10.5	Yes	
	6AL7124LV	45	12.0	Yes	