

SERIES 6AF IN-LINE PTFE FLOW METERS

In-Line PTFE Flow Meter with Valve



FEATURES

- ✓ Chemically inert wetted components.
- ✓ Removable protective shield.
- ✓ Individually leak tested.

Made entirely of PTFE, FEP, and PCTFE, the In-Line PTFE flow meter is excellent for high-purity applications or use with corrosive liquids.

Models are available with a standard valve to monitor and control flow or without a valve to just monitor flow. Flow meters are individually tested on a Mass Spectrometer Leak Detector and certified to a leak integrity rating of 1×10^{-7} sccs Helium or better.

In-Line PTFE Flow Meter with out Valve



SPECIFICATIONS

SCALES: Direct reading scales for liquids with 1.0 specific gravity.

ACCURACY: $\pm 5\%$ of full scale.

MAXIMUM TEMPERATURE: 250 °F (121 °C).

MAXIMUM PRESSURE: 100 PSIG (6.7 bars).

LEAK INTEGRITY: Individually, leak tested and certified to a rating of 1×10^{-7} sccs of Helium.

MATERIALS OF CONSTRUCTION

TUBE SHIELDS: Polycarbonate.

FLOW TUBES: FEP.

FLOATS: PTFE.

WETTED PARTS: PTFE end fittings. PCTFE guide rods.



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

TABLE 29, IN-LINE PTFE FLOW METER (NO VALVE OPTION)

MODEL NO.	MAXIMUM FLOW RATE		BUILT-IN VALVE	FITTINGS
	WATER (mL/min)	WATER (gph)		
6AF8101FN	125	2.0	No	1/4" FNPT
6AF8102FN	250	4.0	No	
6AF8103FN	400	6.5	No	
6AF8104FN	500	8.0	No	
6AF8105FN	1000	16.0	No	3/8" FNPT
6AF8106FN	2.0	30.0	No	
6AF8107FN	2.5	40.0	No	
6AF8108FN	3.0	50.0	No	
6AF8109FN	5.0	80.0	No	1/2" FNPT
6AF8120FN	13.0	3.5	No	
6AF8121FN	20.0	5.2	No	
6AF8122FN	30.0	8.0	No	
6AF8123FN	40.0	10.5	No	3/4" FNPT
6AF8124FN	45.0	12.0	No	

TABLE 29-1, F STYLE IN-LINE PTFE FLOW METER (VALVE OPTION)

MODEL NO.	MAXIMUM FLOW RATE		BUILT-IN VALVE	FITTINGS
	WATER (mL/min)	WATER (gph)		
6AF8101FV	125	2.0	Yes	1/4" FNPT
6AF8102FV	250	4.0	Yes	
6AF8103FV	400	6.5	Yes	
6AF8104FV	500	8.0	Yes	
6AF8105FV	1000	16.0	Yes	3/8" FNPT
6AF8106FV	2.0	30.0	Yes	
6AF8107FV	2.5	40.0	Yes	
6AF8108FV	3.0	50.0	Yes	
6AF8109FV	5.0	80.0	Yes	1/2" FNPT
6AF8120FV	13.0	3.5	Yes	
6AF8121FV	20.0	5.2	Yes	
6AF8122FV	30.0	8.0	Yes	
6AF8123FV	40.0	10.5	Yes	3/4" FNPT
6AF8124FV	45.0	12.0	Yes	

In-Line PTFE Flow Meter No Valve Option

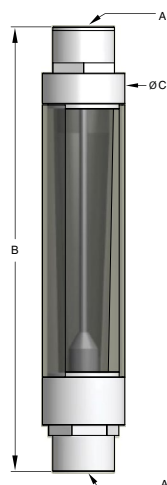


TABLE 29-2, 6AF STYLE IN-LINE PTFE FLOW METER DIMENSIONS NO VALVE OPTION

MODEL	A	B	C
6AF8101FN	1/4" FNPT	5.52" (140.2 mm)	1.25" (31.8 mm)
6AF8102FN			
6AF8103FN			
6AF8104FN			
6AF8105FN	3/8" FNPT	5.52" (140.2 mm)	1.25" (31.8 mm)
6AF8106FN			
6AF8107FN			
6AF8108FN			
6AF8109FN	1/2" FNPT	10.81" (274.6 mm)	2.00" (50.8 mm)
6AF8120FN			
6AF8121FN			
6AF8122FN			
6AF8123FN	3/4" FNPT	10.81" (274.6 mm)	2.00" (50.8 mm)
6AF8124FN			

In-Line PTFE Flow Meter Valve Option

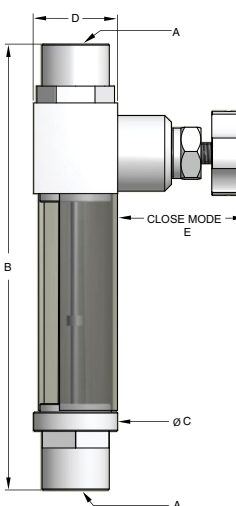


TABLE 29-3, 6AF STYLE IN-LINE PTFE FLOW METER DIMENSIONS VALVE OPTION

MODEL	A	B	C	D	E
6AF8101FV	1/4" FNPT	6.65" (168.9 mm)	1.25" (31.8 mm)	1.25" (31.8 mm)	3.17" (80.5 mm)
6AF8102FV					
6AF8103FV					
6AF8104FV					
6AF8105FV	3/8" FNPT	6.65" (168.9 mm)	1.25" (31.8 mm)	1.25" (31.8 mm)	3.17" (80.5 mm)
6AF8106FV					
6AF8107FV					
6AF8108FV					
6AF8109FV	1/2" FNPT	12.35" (313.7 mm)	2.00" (50.8 mm)	2.00" (50.8 mm)	3.88" (98.5 mm)
6AF8120FV					
6AF8121FV					
6AF8122FV					
6AF8123FV	3/4" FNPT	12.35" (313.7 mm)	2.00" (50.8 mm)	2.00" (50.8 mm)	3.88" (98.5 mm)
6AF8124FV					