

SERIES 6AF IN-LINE PTFE FLOW METERS

TABLE 30, 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	
MODEL NO.	MAXIMUM FLOW RATE		BUILT-IN VALVE	FITTINGS
	WATER (L/min)	WATER (gph)		
6AF8105FN	1.0	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	
MODEL NO.	MAXIMUM FLOW RATE		BUILT-IN VALVE	FITTINGS
	WATER (L/min)	WATER (gpm)		
6AF8120FN	13.0	3.5	No	1/2" FNPT
6AF8121FN	20.0	5.2	No	3/4" FNPT
6AF8122FN	30.0	8.0	No	
6AF8123FN	40.0	10.5	No	
6AF8124FN	45.0	12.0	No	

FEATURES

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

Made entirely of PTFE, PFA, 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 Valve



In-Line PTFE Flow Meter with out Valve



TABLE 30-1, 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	1/2" FNPT
6AF8102FV	250	4.0	Yes	
6AF8103FV	400	6.5	Yes	
6AF8104FV	500	8.0	Yes	
MODEL NO	MAXIMUM FLOW RATE		BUILT-IN VALVE	FITTINGS
	WATER (L/min)	WATER (gph)		
6AF8105FV	1.0	16.0	Yes	3/4" 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	
MODEL NO	MAXIMUM FLOW RATE		BUILT-IN VALVE	FITTINGS
	WATER (L/min)	WATER (gpm)		
6AF8120FV	13.0	3.5	Yes	1/2" FNPT
6AF8121FV	20.0	5.2	Yes	3/4" FNPT
6AF8122FV	30.0	8.0	Yes	
6AF8123FV	40.0	10.5	Yes	
6AF8124FV	45.0	12.0	Yes	

SPECIFICATIONS

- SCALES:** Direct reading scales for liquids with 1.0 specific gravity.
- ACCURACY:** ±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:** PFA.
- 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.

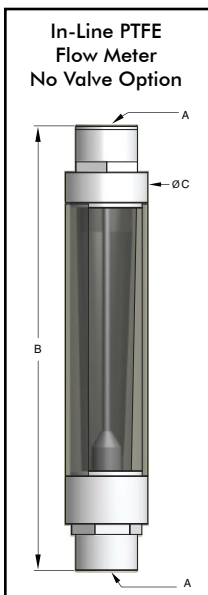


TABLE 30-2, 6AF STYLE IN-LINE PTFE FLOW METER DIMENSIONS NO VALVE OPTION

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

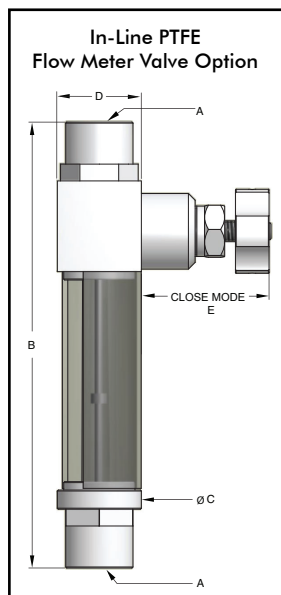


TABLE 30-3, 6AF STYLE IN-LINE PTFE FLOW METER DIMENSIONS VALVE OPTION

MODEL	A	B	C	D	E
6AF8101FV	1/4" FNPT	5.52" (140.2 mm)	1.25" (31.8 mm)	1.25" (31.8 mm)	1.88" (47.8 mm)
6AF8102FV					
6AF8103FV					
6AF8104FV					
6AF8105FV	3/8" FNPT	5.52" (140.2 mm)	1.25" (31.8 mm)	1.25" (31.8 mm)	1.88" (47.8 mm)
6AF8106FV					
6AF8107FV					
6AF8108FV					
6AF8109FV					
6AF8120FV	1/2" FNPT	10.81" (274.6 mm)	2.00" (50.8 mm)	2.00" (50.8 mm)	1.88" (47.8 mm)
6AF8121FV					
6AF8122FV					
6AF8123FV	3/4" FNPT	10.81" (274.6 mm)	2.00" (50.8 mm)	2.00" (50.8 mm)	1.88" (47.8 mm)
6AF8124FV					