

For applications where Turbine Style Flow Meters are Required, **Primary Flow Signal, Inc.** is proud to offer a line of precision manufactured, quality and cost effective **Turbine Flow Meters** which are available from stock in a wide range of sizes, and include a state of the art electronic flow monitor, along with standard retrofit kits for replaceable parts. Water, brine, and clean liquids up to 150cP can be measured with confidence. Each unit is factory calibrated for the optimum performance available in this meter type. **OIL AND GAS, IRRIGATION, INDUSTRY.**



PFS-TM

TYPICAL ACCURACY =
 +/- 1.0% or BETTER of READING

Turbine Flow Meter Pressure Vessel Type

PFS, Inc. Offers a full line of turbine style flow meters ranging from 0.3 - 3 g.p.m. to 500 - 5,000 g.p.m. The PFS-TM series of turbine meters will work well for clean liquids such as brine and water, as well as a broad range of line fluids associated with industrial applications. With standard materials of construction being 316 SS body and 416 SS turbine blades, the integral magnetic pick-up senses revolutions of each blade which creates pulses directly related to fluid volume passing through the meter. Each meter is supplied with a calibrated *K-factor*. **SEE SPECS ON REVERSE SIDE.**



PFS-TW

TYPICAL ACCURACY =
 +/- 1.0% or BETTER of READING

Wafer Turbine Flow Meter Pressure Vessel Type

PFS, Inc. Offers a full line of turbine style flow meters ranging from 0.3 - 3 g.p.m. to 500 - 5,000 g.p.m. The PFS-TM series of turbine meters will work well for clean liquids such as brine and water, as well as a broad range of line fluids associated with industrial applications. With standard materials of construction being 316 SS body and 416 SS turbine blades, the integral magnetic pick-up senses revolutions of each blade which creates pulses directly related to fluid volume passing through the meter. Each meter is supplied with a calibrated *K-factor*. **INSTALLED BETWEEN EXISTING FLANGES, LIKE ORIFICE PLATES. SEE SPECS ON REVERSE SIDE.**



PFS-MF

Turbine Flow Monitor Battery Powered

This battery powered flow monitor provides rate of flow indication in units of choice, with reset totalizer feature. Each unit is factory calibrated to match the turbine *K-factor* of the counterpart meter. Output options such as 4-20mA together with 12-24 VDC power supply are readily available. The Flow Monitor is available as either meter mount or remote mount with cable extension. **SEE SPECS ON REVERSE SIDE.**



PFS-TK

Turbine Retrofit Replacement Kit Regular or Wafer Style

PFS, Inc. provides precision machined retrofit replacement kits for all PFS Turbines as well as certain models made by others. These kits include the rotor vane supports, rotor, and appropriate snap rings, complete with its own *K-factor*, plus easy to follow field installation instructions. Use these replacement kits to economically extend the life of your turbine flow meter and take advantage of PFS, Inc. Quality and Workmanship at the same time. **SEE SPECS ON REVERSE SIDE.**

PROUDLY MADE IN U. S. A.



TURBINE FLOW METERS

PRODUCT BULLETIN

DOCUMENT NUMBER: 1004-A/PFS Turbine Flow Meters

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PFS-TM Turbine Flow Meter TYPICAL ACCURACY = +/- 1.0% or BETTER of READING Pressure Vessel Type				Capacity Table Flanged Ends, Other Sizes Available and Quoted on Request		
Turbine Part No:	Retro Kit Part No:	Line Size (inches)	End Connection Specification	Gallons per Minute	Litres per Minute	Maximum Pressure(PSI)
PFS-TM0038	PFS-TK0038	3 / 8 "	1" x 1" Male NPT	0.3 - 3.0	1.14 - 11.36	5,000
PFS-TM0050	PFS-TK0050	1 / 2 "	1" x 1" Male NPT	0.75 - 7.50	2.84 - 28.39	5,000
PFS-TM0075	PFS-TK0075	3 / 4 "	1" x 1" Male NPT	2.0 - 15.0	7.57 - 56.78	5,000
PFS-TM0078	PFS-TK0078	7 / 8 "	1" x 1" Male NPT	3.0 - 30.0	11.36 - 113.56	5,000
PFS-TM0100	PFS-TK0100	1.0 "	1" x 1" Male NPT	5.0 - 50.0	18.93 - 189.27	5,000
PFS-TM0150	PFS-TK0150	1 - 1 / 2 "	1-1/2" x 1-1/2" Male NPT	15.0 - 180.0	56.78 - 681.35	5,000
PFS-TM0200L	PFS-TK0200L	2.0 "	2.0 " x 2.0" Male NPT	15.0 - 180.0	56.78 - 681.35	5,000
PFS-TM0200	PFS-TK0200	2.0 "	2.0 " x 2.0" Female NPT	40.0 - 400.0	151.41 - 1514.12	5,000
PFS-TM0300	PFS-TK0300	3.0 "	3.0 " Victaulic Connection	60.0 - 600.0	227.12 - 2271.18	800
PFS-TM0400	PFS-TK0400	4.0 "	4.0 " Victaulic Connection	120.0 - 1200.0	454.24 - 4542.36	800
PFS-TM0600	PFS-TK0600	6.0 "	6.0 " Victaulic Connection	200.0 - 2500.0	757.06 - 7570.60	800
PFS-TM0800	PFS-TK0800	8.0 "	8.0 " Victaulic Connection	350.0 - 3500.0	1324.86 - 13248.55	800
PFS-TM1000	PFS-TK1000	10.0 "	10.0 " Victaulic Connection	500.0 - 5000.0	1892.65 - 18926.50	800

NOTE: Flanged Ends available and quoted upon request.

PFS-TW Wafer Turbine Flow Meter TYPICAL ACCURACY = +/- 1.0% or BETTER of READING Pressure Vessel Type				Capacity Table Other Sizes Available and Quoted on Request		
Turbine Part No:	Retro Kit Part No:	Meter Size (inches)	Gallons per Minute	Litres per Minute	Barrels per Day	Maximum Pressure(PSI)
PFS-TW0038	PFS-TK0038	3 / 8 " x 1.0"	0.3 - 3.0	1.14 - 11.36	10 - 100	3,700
PFS-TW0050	PFS-TK0050	1 / 2 " x 1.0"	0.75 - 7.50	2.84 - 28.39	25 - 250	3,700
PFS-TW0075	PFS-TK0075	3 / 4 " x 1.0"	2.0 - 15.0	7.57 - 56.78	68 - 514	3,700
PFS-TW0078	PFS-TK0078	7 / 8 " x 1.0"	3.0 - 30.0	11.36 - 113.56	100 - 1,000	3,700
PFS-TW0100	PFS-TK0100	1.0 " x 1.0"	5.0 - 50.0	18.93 - 189.27	170 - 1,700	3,700
PFS-TW0100X2	PFS-TK0100X2	1" x 2"	5.0 - 50.0	18.93 - 189.27	170 - 1,700	3,700
PFS-TW0150X2	PFS-TK0150X2	1-1/2" x 2.0"	15.0 - 180.0	56.78 - 681.35	515 - 6,000	3,700
PFS-TW0200X2	PFS-TK0200X2	2.0 " x 2.0"	40.0 - 400.0	151.41 - 1514.12	1,300 - 13,000	3,700

NOTE: ACTUAL PFS-TW WORKING PRESSURE DETERMINED BY FLANGE RATING, SEE BELOW.

PFS-TW WORKING PRESSURE(PSI)		
ANSI Flange Size	Carbon	Stainless
ANSI -Class 150	285	230
ANSI -Class 300	740	600
ANSI -Class 600	1,480	1,200
ANSI -Class 900	2,220	1,800
ANSI -Class 1500	3,705	3,000

PFS-MF Turbine Flow Monitor Battery Powered	
PFS Part Number	Description
PFS-MF0208	Flow Monitor Mounts Directly atop Meter.
PFS-MF0208R	Remote Mount Flow Monitor (with 10' Cable-Straight or 90°)
PFS-TA0003	Additional Cable

ACCESSORIES & OPTIONS			
Part No:	Description	Part No:	Description
PFS-TA0001	10' Cable Assembly w/ straight connector	PFS-TA0007	10' High Temp. Cable Assembly
PFS-TA0002	10' Cable Assembly w/ 90° connector	PFS-TA0008	Additional Hi-Temp. Cable per foot
PFS-TA0003	Additional Cable per foot	* PFS-TA0009	4 - 20 mA Analog Transmitter in enclosure
PFS-TA0004	Magnetic Pick-up (-100°F to +300°F)	* PFS-TA0010	0-5/0 - 10 Analog Volt Transmitter in enclosure
PFS-TA0005	Battery - 3.6V Lithium (2 required)	* PFS-TA0011	Pre-Amplifier
PFS-TA0006	Hi Temp Magnetic Pick-up(-100°F to +450°F)		

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