

WT-P PVC-Body Turbine Specifications



Specifications

Materials

Meter Body	PVC Schedule 80 fittings
Turbine Insert	PVC (Polypro in 2" size)
Turbine Rotor	Kynar (PVDF)
Shafts	Zirconia ceramic
Bearings	Sapphire journal, ruby ball

Maximum Pressure

150 psi @ 75° F
(10 bar @ 24° C) (see chart)

Max. Temperature

120° F (50° C) (see chart)

Accuracy

±1% FS

Flow Range

Gallons Per Minute

	2"	3"	4"	6"
Minimum	2	3	6	12
Maximum	150	400	600	1200

Liters Per Minute

	2"	3"	4"	6"
Minimum	8	11	23	46
Maximum	568	1514	2271	4542

General Information

This unique system of 2" to 6" turbine meters uses one moving part, a precision-molded helical rotor. Rotation of the rotor is electronically detected and processed. High-quality jewel bearings and polished zirconia ceramic shafts minimize friction while providing long wear life in non-lubricating fluids. The entire rotor assembly can be easily removed for field service.

WT-P bodies are fabricated from Schedule 80 PVC fittings. Turbine rotors are Kynar (PVDF).

An electronic register can be mounted on the meter to display flow rate, total (resettable or non-resettable) and provide programmable pulse output. The same unit, in a wall mount or panel mount housing, can be located up 2,000 feet away. Other electronics options (which can again be meter or remote mounted) are the AO55 blind 4-20 mA transmitter, the PD10 divider, and a battery-powered (FT415) rate meter/totalizer for applications which lack power.

Electronic Options Specifications

WT100 (Pulse Only)

Power	6-24 VDC
Pulse Type	Current sinking

WT101

Power	11-24 VDC, 20 mA max
Rate	8-digit autorange
Total	8-digit, selectable decimal
Memory	Non-volatile (no battery needed)
Pulse Output	0.1 second, open collector
Analog Option	4-20 mA, user-programmed

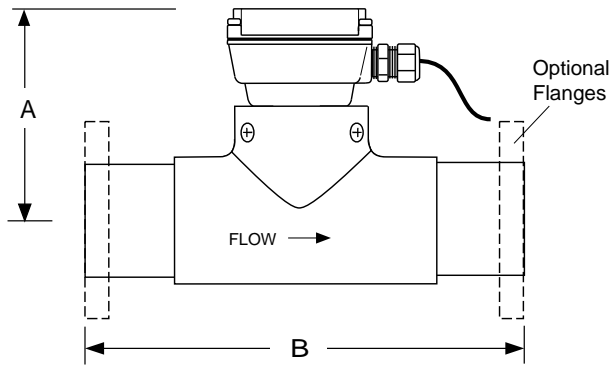
WT102 (AO55 Blind Transmitter)

Output	4-20 mA
Loop Power	12 - 36 VDC (isolated)
Accuracy	± 1%
Response Time	3 seconds, 95% FS

WT104 (Battery-powered Rate/Totalizer)

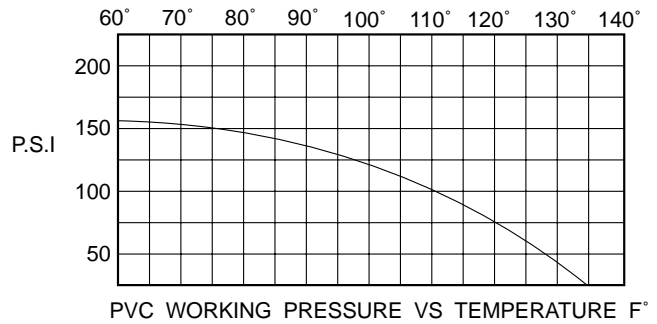
Rate/Total	2-Line LCD resettable, with lockout
Battery Life	3 Years
Pulse Output	Open collector 100ms

Dimensions



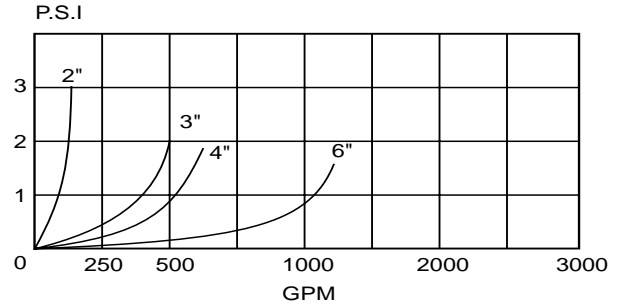
Meter size	A	B
2"	7.5"	10"
3"	6.5"	12"
4"	7"	14"
6"	8.5"	18"

Note: flange option face-to-face dimension is the same as plain ends ("B").

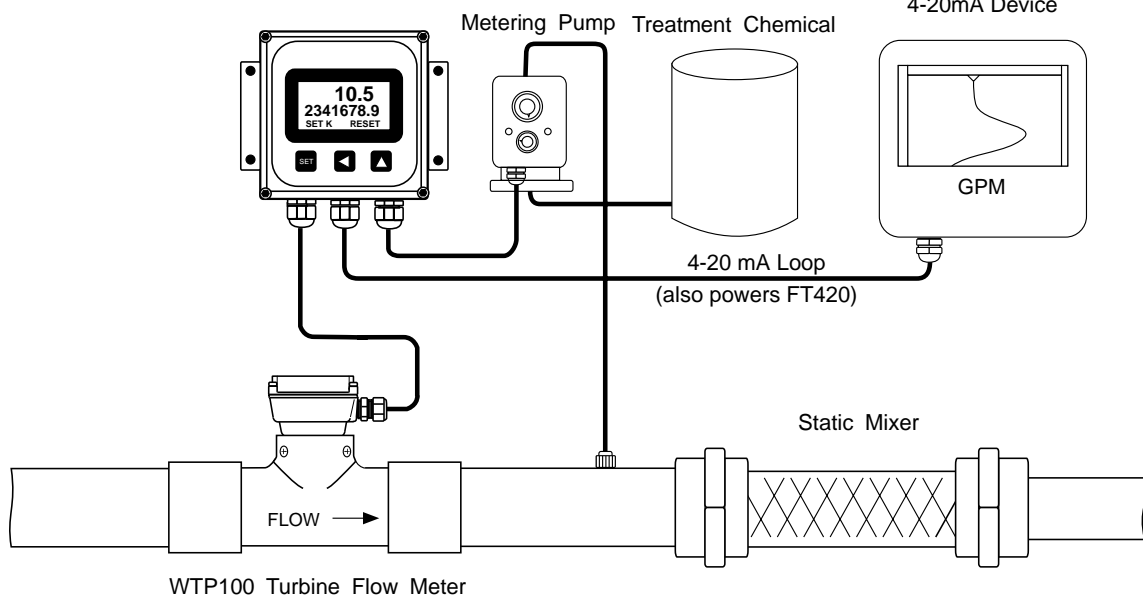


PVC WORKING PRESSURE VS TEMPERATURE F°

Pressure Loss Chart



FT 420W Flow Computer



WTP100 Turbine Flow Meter

How To Order

Size: 200=2", 300=3", 400=4", 600=6"
 Option Code: (see options to right)

WTP100- _____ - _____
WTP101- _____ - _____
WTP102- _____ - _____
WTP103- _____ - _____

Option Codes:

18 Flanged ends
04 Micropower sensor

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