



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 molded from polypro, with PVDF as an optional material.

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 AO45 blind 4-20 mA transmitter, the PD10 divider, and the FT96 battery-powered rate meter/totalizer for applications which lack power.

Specifications

Materials

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

Pressure

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

Temperature

140° F (60° C) (see chart)

Accuracy

±1% FS

Flow Range

Gallons Per Minute

	2"	3"	4"	6"	8"
Minimum	2	3	6	12	30
Maximum	150	400	600	1200	3000

Liters Per Minute

	2"	3"	4"	6"	8"
Minimum	8	11	23	46	114
Maximum	568	1514	2271	4542	11355

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

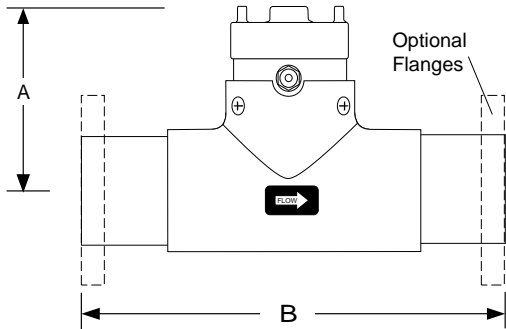
WT102 (AO45 Blind Transmitter)

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

WT104 (Battery-powered Rate/Totalizer)

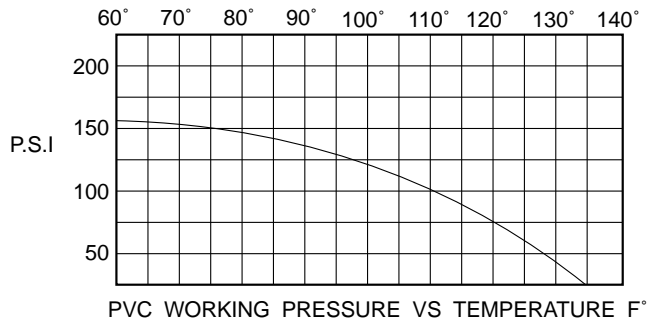
Rate/Total 2-Line LCD resettable, with lockout
 Battery Life 3 Years
 Pulse Output Open collector 100ms

Dimensions



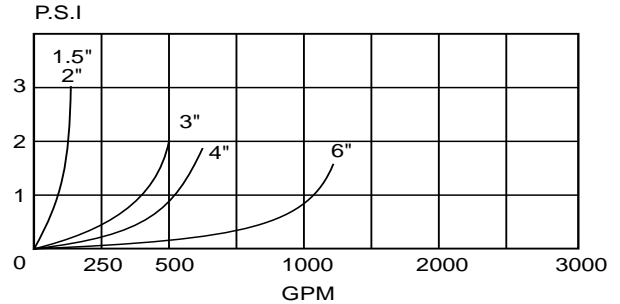
Meter size	A	B
2"	7.5"	10"
3"	6.5"	12"
4"	7"	14"
6"	8.5"	18"

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

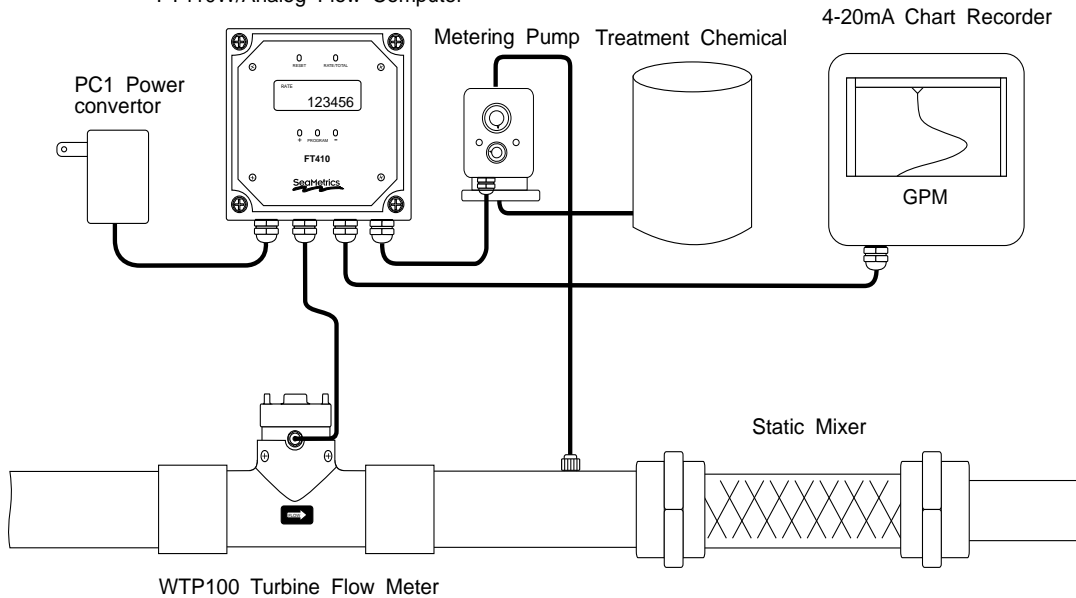


PVC WORKING PRESSURE VS TEMPERATURE F°

Pressure Loss Chart



FT410W/Analog Flow Computer



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 Passive pickup (standard on 104)
19 Analog output (101)



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