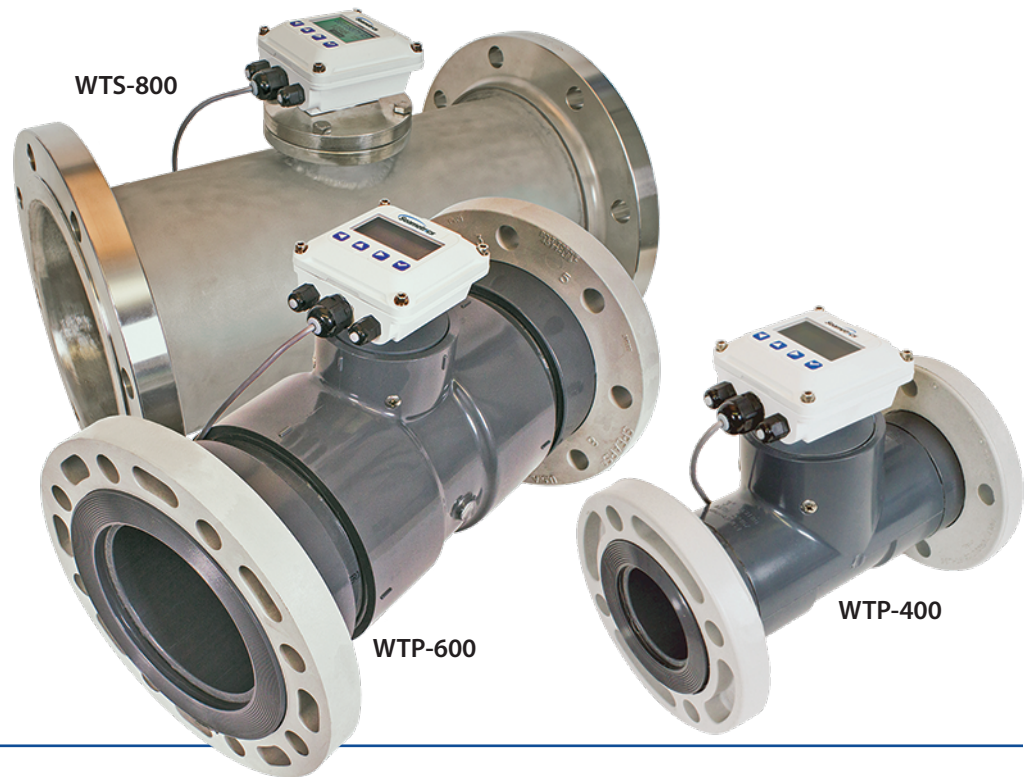# Seametrics WT-Series Turbine Flow Meters

WT-Series flow meters are available in either WTP schedule 80 PVC or WTS stainless steel bodies. The WT meters are available for 3 inch, 4 inch, 6 inch and 8 inch pipe, and feature corrosion resistant Kynar® (PVDF) turbine rotors. The flow sensor provides a pulse output that's compatible with either mounted FT430/440 or a Remote FT450 total and rate displays.

FEATURES

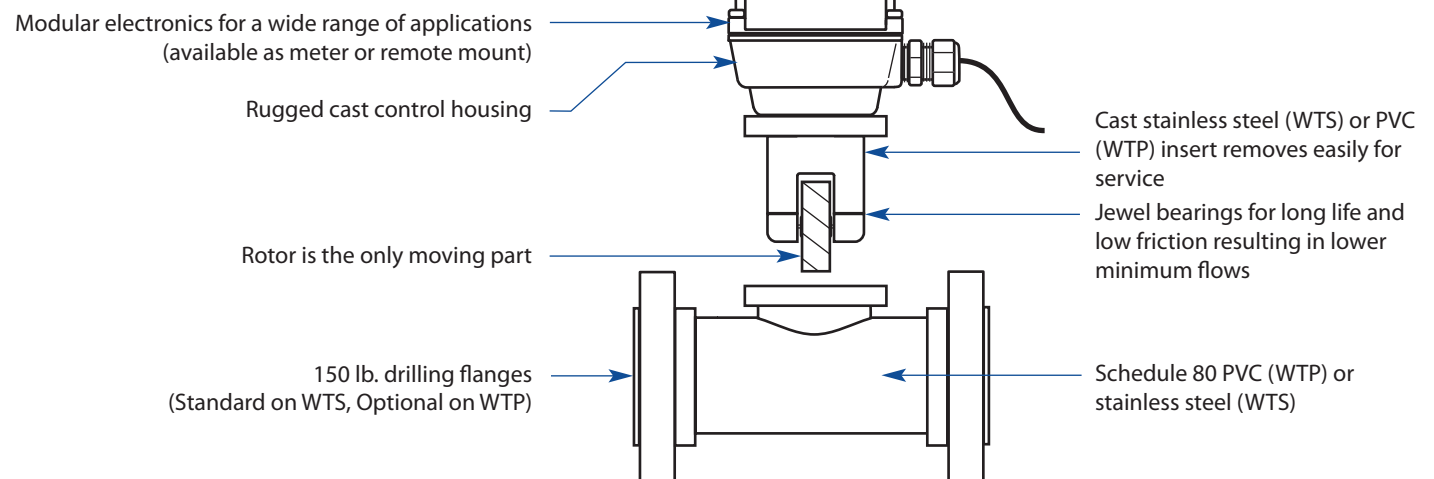- Minimum straight pipe requirements
- Low friction jewel bearings
- Field serviceable
- Battery powered option
- Corrosion resistant
- Pulse output

APPLICATIONS

- Water treatment
- Municipal
- Cooling water monitoring
- Industrial flow control

WTS-800

WTP-600

WTP-400

COMPONENT FEATURES

Modular electronics for a wide range of applications (available as meter or remote mount)

Rugged cast control housing

Rotor is the only moving part

150 lb. drilling flanges (Standard on WTS, Optional on WTP)

Cast stainless steel (WTS) or PVC (WTP) insert removes easily for service

Jewel bearings for long life and low friction resulting in lower minimum flows

Schedule 80 PVC (WTP) or stainless steel (WTS)

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seametrics_wt-series_flow_meters.qxp 02/08/21

Seametrics WT-Series Turbine Flow Meters

SPECIFICATIONS*

		WTP			WTS			
Pipe Sizes		3", 4", 6"			3", 4", 6", 8"			
Materials	**Meter Body**	PVC Schedule 80 fittings			304 Stainless steel (316 SS optional)			
	Turbine Insert	PVC			CF8 cast stainless			
	Rotor	Kynar® (PVDF)			Kynar® (PVDF)			
	Shaft	Zirconia ceramic			Zirconia ceramic			
	Bearings	Sapphire journal, ruby endstone			Sapphire journal, ruby endstone			
Cable		#22 AWG, 2000' max			#22 AWG, 2000' max			
Flanges		Optional (See dimensions)			150 lb. drilling			
Maximum Pressure		150 psi @ 75°F (10 bar @ 24°C) (See chart)			200 psi (14 bar)			
Maximum Temperature		120°F (50°C) (See chart)			200°F (93°C)			
Accuracy		±1% of full scale			±1% of full scale			
Flow Range (GPM)		**3"**	**4"**	**6"**	**3"**	**4"**	**6"**	**8"**
	Minimum	3	6	12	3	6	12	30
	Maximum	400	600	1200	400	600	1200	3000

* Specifications subject to change. Please consult our website for current data (www.geotechenv.com).
Kynar is a registered trademark of Arkema, Inc.

ELECTRONICS OPTIONS SPECIFICATIONS*

	WT100	WT103	WT107	WT109
Power	6-36V DC	7-30V DC	Battery (Lithium "C", 3.6V, replaceable)	7-30V DC, 4mA (4-20 mA when loop powered)
Electronic Display	N/A	FT430	FT450	FT440
Pulse Out	0-160 pulse/sec. current sinking	Pulse scaled and pulse pass through	Pulse scaled	Pulse scaled
Analog Out	N/A	N/A	N/A	4-20 mA Loop
Rate	N/A	5-digit autorange	5-digit autorange	5-digit autorange
Total	N/A	8-digit	8-digit	8-digit
Memory	N/A	Non-volatile	Non-volatile	Non-volatile
High/Low Alarm	N/A	Selectable on one output	Selectable on one output	Selectable on one output
Environmental	N/A	NEMA 4X, IP67	NEMA 4X, IP67	NEMA 4X, IP67
Regulatory	CE	CE	CE	CE

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Geotech Environmental Equipment, Inc.
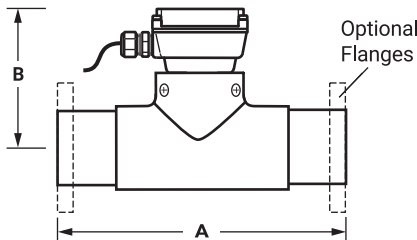2650 East 40th Avenue • Denver, Colorado 80205
(303) 320-4764 • FAX (303) 322-7242
email: sales@geotechenv.com • website: www.geotechenv.com

Seametrics WT-Series Turbine Flow Meters

DIMENSIONS

WTP METER

Optional Flanges

Meter Size	Dim A	Dim B
3"	12"	6.5"
4"	14"	7.0"
6"	18"	8.5"

NOTE: Flange options face-to-face dimension ("A") is the same as plain ends.

WTS METER

Flanges: 150 lb. drilling
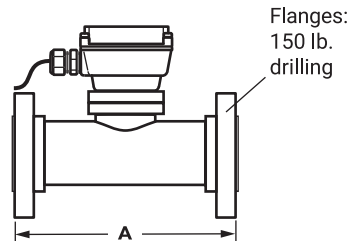
Meter Size	Dim A
3"	12"
4"	14"
6"	18"
8"	20"

TYPICAL APPLICATION
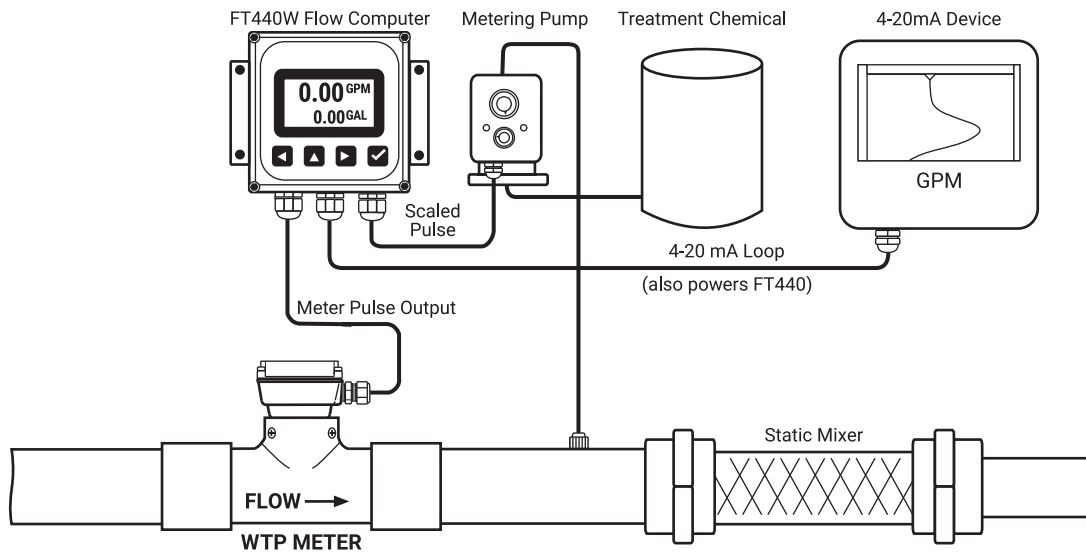
FT440W Flow Computer   Metering Pump   Treatment Chemical   4-20mA Device

0.00 GPM
0.00 GAL

GPM

Scaled Pulse

4-20 mA Loop
(also powers FT440)

Meter Pulse Output

Static Mixer

FLOW →

WTP METER

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email: sales@geotechenv.com • website: www.geotechenv.com

Seametrics WT-Series Turbine Flow Meters

HOW TO ORDER

Model	Electronics	Size	Options
PVC = **WTP** Stainless Steel = **WTS**	Pulse Output = **100** Rate+Total/Pulse Scaled/Pulse Pass Through = **103** Battery-Powered/Pulse = **107** Rate+Total/Pulse Scaled/4-20mA = **109**	3" = **-300** 4" = **-400** 6" = **-600** 8" = **-800** *(WTS Only)*	Micropower Sensor = **-04** *(Required for use with FT450W)* LMI 4-pin Connector = **-06** *(For use with WT100 only)* Seametrics Control Connector = **-07** *(For use with WT100 only)* 316 SS *(WTS only)* = **-14** Flanged Ends *(WTP)* = **-18** Tamper-evident = **-32** Non-resettable total = **-64** Dual Relay Output = **-98** *(For use with WT103, 109 only)* Roytronics® Series A 5-pin Pump Connector = **-106** *(For use with WT100 only)* Hinged Display Cover = **-126**

Accessories

Remote Rate and Total Indicator = **FT430W/440W**

Remote Battery-Operated Rate/Totalizer = **FT450W**

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