

BASIC TURBINE FLOW METER (GT-TW SERIES)



Technical Specifications

FLOW RANGES

5 - 50 GPM (gal/min)
40 - 400 GPM

PRESSURE

Working pressure up to 5,000 psi

ACCURACY

$\pm 1\%$ of reading or better

REPEATABILITY

$\pm 0.1\%$

TEMPERATURE

Fluid temperature of -150° to 325°F

FILTRATION

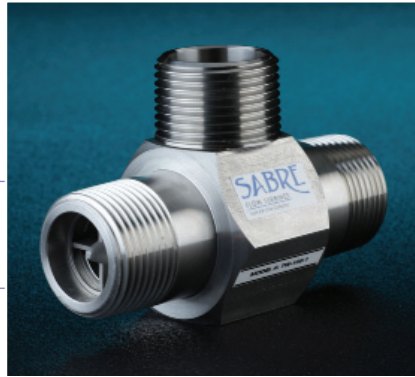
300 microns

END CONNECTIONS

NPT

MATERIALS OF CONSTRUCTION

- Body & Flow Straightener: 316 Stainless Steel
- Rotor: Stainless Steel
- Rotor Shaft: Tungsten Carbide
- Rotor Support: 316 Stainless Steel



Benefits

ACCURATE & RELIABLE

The GT-TW Series turbine meter is accurate to $\pm 1\%$ of reading with repeatability of better than $\pm 0.1\%$.

RUGGED AND COST-EFFECTIVE

All stainless steel construction and tight machining tolerances make for excellent durability/long life.

INDUSTRY STANDARD

This flow meter comes with a standard NPT end connections for universal applications.

VERSATILE

The meter or just the meter internals are perfect drop-in replacements for NuFlo/Haliburton and Blancett turbine flow meters.

ELECTRONIC INTEGRATION

This meter can accept a variety of existing electronics, such as the MCII, MCIII and BL2800.

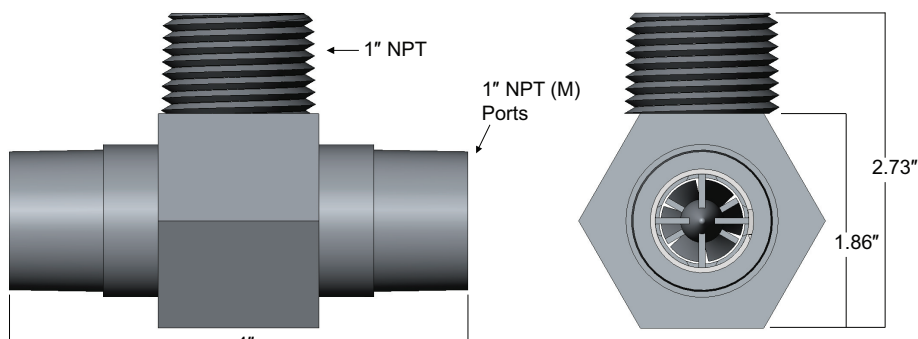
SIMPLIFIED MAINTENANCE

Maintenance is easy with the rotor replacement kit. Rotor can be replaced in just 2-3 minutes.

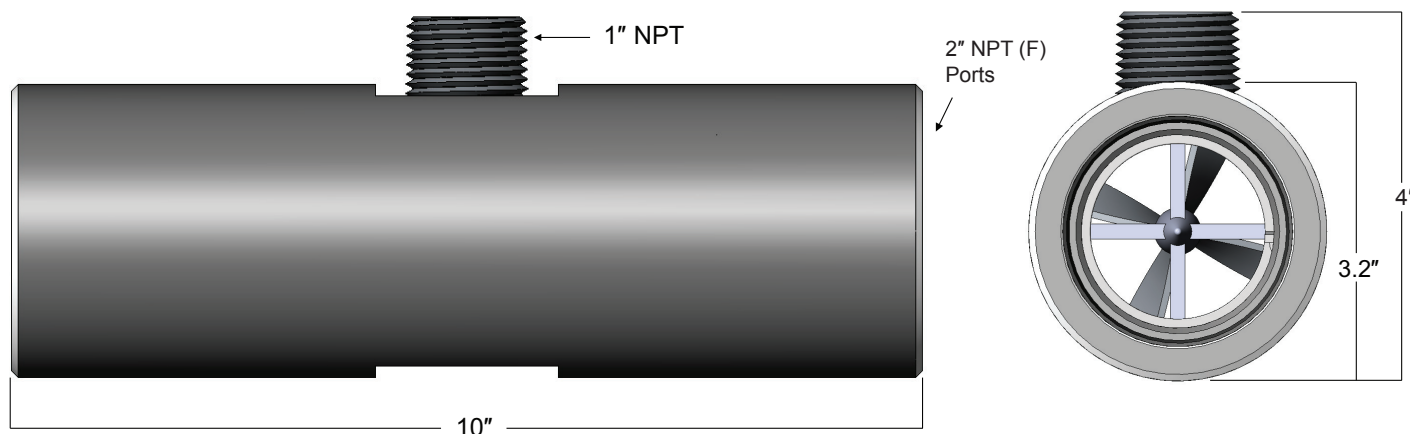


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Meter Dimensions



Turbine Flow Meter with 1" Connections



Turbine Flow Meter with 2" Connections

Meter Specifications

Part Number	Range (gal/min)	K-Factor * (Pulses/ gal)	Porting	Filtration (micron)	Pressure Rating (psi)	End to End Length	Repair Kit ** Part Number
GT-TW-100-x	5-50	900	1" Male NPT	300	5,000	4" / 102 mm	TW-KIT-100
GT-TW-200-x	40-400	45	2" Female NPT	300	5,000	10" / 254 mm	TW-KIT-200

* x=1 for 1 pickup collar, x=2 for 2 pickup collars

** K-Factors given are averaged. A calibration sheet accompanies every meter sold.

*** Repair Kits include retaining rings, flow straightener and rotor assembly.

Sensor Options

Compatible Sensor*	Sensor Type	Temp (°F)
MG-300	Magnetic Pick-up	-150 to 325
JV-400	Meter Mounted Amplifier	-40 to 185
FIP-4TS	4-20 mA output	-40 to 300

Meter Mounted Displays:

TM-8A	no output	0 to 140
TM-8B	2 pulse output	0 to 140
TM-8C	4-20mA output	0 to 140

* For additional sensors available, contact factory.

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