

High Pressure Turbine Flow Meter

Accurate and Reliable High Pressure Flow Metering

Turbines, Inc. is a leader in the design and manufacture of reliable and accurate turbine flow metering equipment, electronic monitors, and accessories. All of our products are engineered, manufactured, and calibrated using premium quality materials by a skilled engineering team, using state-of-the-art equipment.

Specifically designed to withstand the rugged conditions of the oil and gas environment, this meter is the ideal solution for harsh applications requiring longevity and durability.



The **HP TM Series** turbine flow meter is intended for use in high pressure applications, handling working pressures to 15,000 psig (based on end connection used). This meter consists of stainless steel construction, and 1502 WECO® end connections.

The HP TM Series provides +/- 1.0% standard accuracy, and is repeatable to +/- 0.10% over the entire flow range. For every turbine flow meter manufactured by Turbines, Inc., a unique K-factor is documented by means of NIST-traceable factory calibration.

Specifications

Performance Data	
Repeatability	+/- 0.10% over flow range
Operating Temperature	-100° F to +300° F
Connection	1502 WECO® end connection
Materials	
Meter Body	A286 stainless steel, 316 stainless steel
Rotor Supports	316 stainless steel
Rotor	CD4MCu
Bearings	Tungsten carbide sleeve bearings
TI Certifications	ISO 9001
Additional Information	
Full line of economical Retrofit Kits are available Factory refurbishment is available	

Magnetic pick up is standard on all models (no extra charge).

Data Sheet

HP TM Series

Performance Specifications

Turbines Part Number	Meter Line Size	Flow Range GPM	Repeatability	Linearity	Max Pressure psig
HP-TM0200	2"	40 – 400	+/- 0.10%	+/- 1.0%	15,000
HP-TM0200-TXT (thread x thread)	2"	40 – 400	+/- 0.10%	+/- 1.0%	15,000
HP-TM0300-TXT (thread x thread)	3"	60 – 600	+/- 0.10%	+/- 1.0%	15,000

Installation

1. Magnetic pickup coils included with each turbine meter at no extra charge;
2. Turbine meter is linear and accurate over its designed operating range;
3. Minimum recommended piping installation: 10 diameters upstream & 5 diameters downstream;
4. Locate valves or chokes downstream;
5. For best meter performance and to avoid bearing wear, do not exceed maximum rated flow for long periods of time;
6. Consult factory for warranty details.

For additional local output, the TM Series can be combined with one of our reliable monitors for a complete, accurate solution.

Support and Service

Our full-time, dedicated service group offers 100% trustworthy support and recertification for flow meters — whether our own or a competitor's brand. Our meter proving services are performed by our trained technicians and the latest testing equipment.

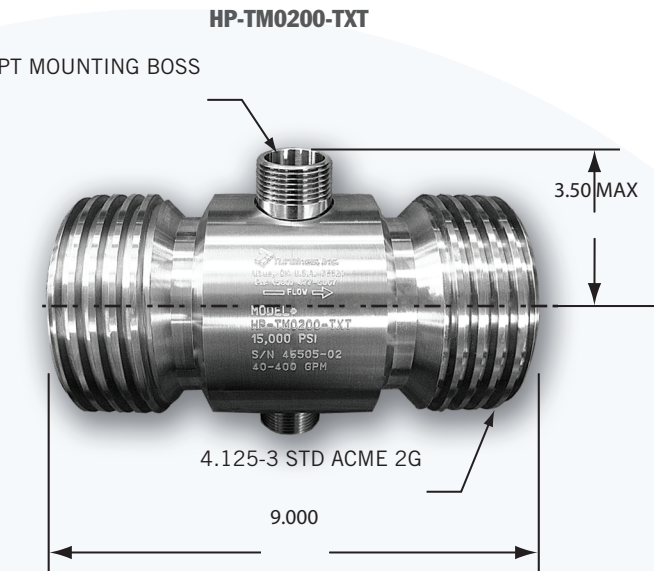
Custom meters and instrumentation options for your application are readily available. Our products are always in stock and ready for immediate shipment, typically within 24 hours.



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Turbines, Inc. products and operations are certified to industry standards for safety and performance. Visit our web site for details.



Certifications

Turbines, Inc.'s quality management systems are ISO 9001 and AS 9100 compliant and Canadian CRN certified.

Worldwide Support

Turbines, Inc. serves customers worldwide with U.S. offices in Cranston, RI (headquarters); Houston and Odessa-Midland, TX; Tulsa and Altus, OK; Seneca, SC; as well as locations in Edmonton, Alberta (Canada) and Beijing, China.

Contact your Turbines, Inc. Field Application Engineer for assistance.



All Turbines, Inc. products are proudly made in the U.S.A.