

TW – OIL & GAS TURBINE FLOW METER

Ideal to withstand the demands of the most rigorous flow measurement applications and is an ideal meter for liquid flow measurement on or off the oilfield.



TECHNICAL SPECIFICATIONS

Flow Ranges

0.6 - 5000 GPM (gal/min)

Pressure

Working pressure up to 5,000 psi

Accuracy

±1% of reading or better

(±1% of reading over the upper 70% of the measuring range for 3/8, 1/2 and 3/4 in. meters)

Repeatability

±0.1%

Temperature

Fluid temperature of -150° to 300°F

Turndown Ratio

10:1

Calibration

Water (NIST traceable calibration)

End Connections

NPT and Victaulic®

BENEFITS

Accurate & Reliable

The TW Series turbine meter is accurate to ±1% of reading with repeatability of better than ±0.1%.

Rugged & Cost-Effective

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

Port Connections

This flow meter comes with standard NPT or Victaulic® end connections for universal applications.

Versatile

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

Electronic Integration

This meter can accept a variety of existing electronics, such as the SignalFire Flow Totalizer.

Simplified Maintenance

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

MATERIALS OF CONSTRUCTION

Body	316 Stainless Steel
Rotor	CD4MCU Stainless Steel
Rotor Shaft	Tungsten Carbide
Rotor Support	316 Stainless Steel

ELECTRONICS

Included Sensor:	Sensor Type:	Output:
MG-300	Magnetic Pick-up	Pulse
Optional Local Display:	Description:	
SFTotalizer-1BIS	Intrinsically Safe Wireless Flow Totalizer with LCD Display	

*Contact factory for additional sensor options.

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METER PART NUMBERS

Part Number	Range (gal/min)	Range (barrels/day)	K-Factor* (pulses/gal)	Porting	Strainer (mesh)	Pressure Rating (psi)	Meter Weight (lb)	Repair Kit Part Number**
TW-50M-100	0.6-3	20-100	18000	1/2" Male NPT	60	5000	1	KIT-50M-100
TW-50M-250	0.75-7.5	25-250	13000	1/2" Male NPT	60	5000	1	KIT-50M-250
TW-50M-515	2-15	68-515	3300	1/2" Male NPT	60	5000	1	KIT-50M-515
TW-100M-100	0.6-3	20-100	18000	1" Male NPT	60	5000	2	KIT-100M-100
TW-100M-250	0.75-7.5	25-250	13000	1" Male NPT	60	5000	2	KIT-100M-250
TW-100M-515	2-15	68-515	3300	1" Male NPT	60	5000	2	KIT-100M-515
TW-100M-1K	3-30	100-1,000	3100	1" Male NPT	60	5000	2	KIT-100M-1K
TW-100M-2K	5-50	170-2,000	870	1" Male NPT	40	5000	2	KIT-100M-2K
TW-150M-6K	15-180	515-6,000	330	1 1/2" Male NPT	20	5000	5	KIT-150M-6K
TW-200M-6K	15-180	515-6,000	330	2" Male NPT	20	5000	6	KIT-200M-6K
TW-200V-6K	15-180	515-6,000	330	2" Victaulic®	20	800	6	KIT-200V-6K
TW-200F-13K	40-400	1,300-13,000	52	2" Female NPT	20	5000	14	KIT-200F-13K
TW-300M-21K	60-600	2,100-21,000	57	3" Male NPT	10	800	15	KIT-300M-21K
TW-300V-21K	60-600	2,100-21,000	57	3" Victaulic®	10	800	15	KIT-300V-21K
TW-400M-41K	100-1200	3,400-41,000	29	4" Male NPT	10	800	20	KIT-400M-41K
TW-400V-41K	100-1200	3,400-41,000	29	4" Victaulic®	10	800	20	KIT-400V-41K
TW-600M-86K	200-2500	6,800-86,000	7	6" Male NPT	4	800	46	KIT-600M-86K
TW-600V-86K	200-2500	6,800-86,000	7	6" Victaulic®	4	800	46	KIT-600V-86K
TW-800V-120K	350-3500	12,000-120,000	3	8" Victaulic®	4	800	56	KIT-800V-120K
TW-1000V-171K	500-5000	17,000-171,000	1.6	10" Victaulic®	4	800	80	KIT-1000V-171K

*K-Factors given are averaged. A calibration sheet accompanies every meter sold. **Repair Kits include retaining rings, flow straightener and rotor assembly.