

Macnaught MT Series Liquid Turbine Flow Meter

Industrial Grade Heavy Duty Flow Metering

Macnaught USA's complete line of MT Industrial Grade Turbine Flowmeters provides high accuracy flow measurement for clean process fluids. All Turbine Meters are designed and manufactured using premium quality materials and come with a individual NIST traceable K-Factor affixed to each meter.

Macnaught USA stocks ½" thru 4" Meters in our Tampa Flow Meter facility providing measurement ranges from .75 GPM to over 1200 GPM. We offer larger meters in sizes 6" thru 10" with flow ranges up to 5,500 GPM with best-in-class delivery service.

Specifications

Performance Data	
Accuracy	+/- 1.0% over flow range
Repeatability	+/- .1% over flow range
Operating Temperature	-100 °F to +300 °F
Connection	Flanged, Victaulic® (grooved), or threaded
Materials	
Meter Body	316 stainless steel
Rotor Supports	316 stainless steel
Meter Rotor	CD4MCu/416 stainless steel
Rotor Shaft	Tungsten carbide
Sleeve Bearings	Tungsten carbide
Certifications	ISO9001
Additional Information	Full line of economical Retrofit Kits are available. Factory refurbishment with one (1) day turnaround is available



Output options include stocked PreAmplifiers, Integral & Remote Mount Displays, Blind 4-20mA, 0-5 & 0-10 VDC in General Duty and Hazard (Intrinsically Safe and ExD) applications.

High-Pressure capabilities up to 5,000 PSI with Temperature ranges from 300F to 450F+ make these meters the perfect choice for exacting industrial flow measurement applications.

Performance Specifications

Turbines Part #	End Connection Size (in)	Flow Range (GPM)	Flow Range (BPD)	Flow Range (M3PD)	Flow Range (LPM)	Max Pressure (PSI)	Repair Kits (kits come with: 2-Rotor Supports, 1-Rotor 2-Retaining Rings)
MT12	1/2" x 1/2" Male NPT	.75 - 7.5	25 - 250	4 - 40	2.8 - 28.4	5,000	MTK012
MT19	3/4" x 3/4" Male NPT	2 - 15	68 - 514	11 - 80	2 - 15	5,000	MTK019
MT25	1" x 1" Male NPT	4 - 60	170 - 1714	27 - 270	15 - 227	5,000	MTK025
MT40	1.5" x 1.5" Male NPT	15 - 180	514 - 6000	80 - 980	57 - 681	5,000	MTK040
MT50L	2" x 2" Male NPT	15 - 180	514 - 6000	80 - 980	57 - 681	5,000	MTK050
MT50H	2" x 2" Female NPT	40 - 400	1371 - 13714	218 - 2180	151 - 1514	5,000	MTK050
MT75	3" x 3" Male NPT	60 - 600	2100 - 21000	320 - 3200	227 - 2270	800	MTK075
MT100	4" x 4" Male NPT	120 - 1200	4100 - 41000	654 - 6541	454 - 4542	800	MTK100

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

Turbine Meter Sizes 6 inch thru 10 inch are available – consult Macnaught USA

Support and Service

Macnaught USA offers excellent stock positions for immediate delivery, along with a highly technical meter applications support staff. In addition to Turbine flow technology, we are the leading global Oval Gear flow meter manufacturer for measurement needs requiring higher accuracy, fluids with changing or higher viscosities, flow conditioning challenges or pulsing flows. We have both turbine and oval gear meters ready to ship.

Certifications

Macnaught MT Turbine Meters are ISO9001, AS9100 compliant and Candian CRN certified.



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macnaughtusa.com

Macnaught USA's products and operations are certified to industry standards for safety and performance. Visit our web site for details.