

WM Liquid Wafer Style Turbine Flow Meter

Highly Accurate and Reliable Liquid Flow Metering

Turbinas, 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.

The **WM Liquid Wafer Style Turbine** flow meter is a highly-versatile product line that offers all stainless steel, precision-machined components with CD4MCu and/or 416 stainless steel rotors in line sizes from 3/8" through 8.0".



The WM Series turbine meters are designed specifically for installation between two raised-face flanges and are robust enough to handle up to 3,700 PSI, depending on the chosen flange size.

The WM Series is unique in that rather than snap rings holding the internals, three (3) machine screws hold each rotor support in place, making this a heavy duty meter for most any liquid application.

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

Specifications

Performance	
Accuracy	+/- 1.0% over flow range (except WM0038 which is +/- 2.0%)
Repeatability	+/- 0.1% over flow range
Operating Temperature	-100° F to +300° F
Connection	Wafer style
Maximum Pressure	3,700 PSI
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	
	ISO 9001
Additional Information	
	Full line of economical Retrofit Kits are available Factory refurbishment with one (1) day turnaround is available

Data Sheet

WM Series

Performance Specifications

Turbines Part Number	End Connection Size (in)	Flow Range (GPM)	Flow Range (BPD)	Flow Range (M3PD)	Flow Range (LPM)	Accuracy/ Repeatability	Repair Kits (Kits come with: 2-Rotor Supports, 1-Rotor & 2-Retaining rings, or replacement screws)
WM0038X1 WM0038X2	3/8" x 1" 3/8" x 2"	0.3 - 3	10 - 100	1.6 - 16	1.14 - 11.36	+/-2.0% +/-0.1%	WK0038X1 WK0038X2
WM0050X1 WM0050X2	1/2" x 1" 1/2" x 2"	0.75 - 7.5	25 - 250	4 - 40	2.84 - 28.39	+/-1.0% +/-0.1%	WK0050X1 WK0050X2
WM0075X1 WM0075X2	3/4" x 1" 3/4" x 2"	2 - 15	68 - 514	11 - 80	7.57 - 56.78	+/-1.0% +/-0.1%	WK0075X1 WK0075X2
WM0078X1 WM0078X2	7/8" x 1" 7/8" x 2"	3 - 30	102 - 1,028	16 - 160	11.36 - 113.6	+/-1.0% +/-0.1%	WK0078X1 WK0078X2
WM0100X1 WM0100X2	1" x 1" 1" x 2"	5 - 50	170 - 1,700	27 - 270	18.93 - 189.3	+/-1.0% +/-0.1%	WK0100X1 WK0100X2
WM0150X2	1-1/2" x 2"	15 - 180	514 - 6,000	80 - 980	56.8 - 681.35	+/-1.0% +/-0.1%	WK0150X2
WM0200X2	2" x 2"	40 - 400	1,371 - 13,714	218 - 2,180	151 - 1,514	+/-1.0% +/-0.1%	WK0200X2
WM0300X3	3" x 3"	60 - 600	2,100 - 21,000	320 - 3,200	227 - 2,270	+/-1.0% +/-0.1%	WK0300X3
WM0400X4	4" x 4"	120 - 1,200	4,100 - 41,000	654 - 6,541	454 - 4,542	+/-1.0% +/-0.1%	WK0400X4
WM0600X6	6" x 6"	250 - 2,500	8,571 - 85,710	1,090 - 13,627	946 - 9,463	+/-1.0% +/-0.1%	WK0600X6
WM0800X8	8" x 8"	350 - 3,500	12,000 - 120,000	1,907 - 19,080	1,324 - 13,248	+/-1.0% +/-0.1%	WK0800X8

Magnetic pick up is standard on all models (no extra charge). Max pressure for all WM meters is 3,700 PSI.

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.