

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 line offering 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 meter is designed and manufactured for installation between two raised



face flanges and is robust enough to handle up to 3,700 PSI, depending on the chosen flange size. The WM Series meter 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 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
Materials	
Meter Body	316 stainless steel
Rotor Supports	316 stainless steel
Meter Rotor	CD4MCu / 416 stainless steel
Rotor Shaft	tungsten carbide
Sleeve Bearing	tungsten carbide
Certifications	
ISO 9001, ASME S and U, NB R, PED Module H, Indian IBR, and GOST	
Additional Information	
Full line of economical Retrofit Kits are available Factory refurbishment with one (1) day turnaround is available	

Performance Specifications

Turbines Part Number	End Connection Size (in)	Flow Range (GPM)	Flow Range (BPD)	Flow Range (LPM)	Flow Range (M3D)	Accuracy/ Repeatability	Max Pressure (PSI)
WM0038 X 1	3/8" x 1"	0.3 - 3	10 - 100	1.14 - 11.36	1.6 - 16	+/-2.0%	3,700
WM0038 X 2	3/8" x 2"					+/-0.1%	
WM0050 X 1	1/2" x 1"	0.75 - 7.5	25 - 250	2.84 - 28.39	4 - 40	+/-1.0%	3,700
WM0050 X 2	1/2" x 2"					+/-0.1%	
WM0075 X 1	3/4" x 1"	2 - 15	68 - 514	7.57 - 56.78	11 - 80	+/-1.0%	3,700
WM0075 X 2	3/4" x 2"					+/-0.1%	
WM0078 X 1	7/8" x 1"	3 - 30	100 - 1,000	11.36 - 113.56	16 - 160	+/-1.0%	3,700
WM0078 X 2	7/8" x 2"					+/-0.1%	
WM0100 X 1	1" x 1"	5 - 50	170 - 1,700	18.93 - 189.27	27 - 270	+/-1.0%	3,700
WM0100 X 2	1" x 2"					+/-0.1%	
WM0150 X 2	1-1/2" x 2"	15 - 180	515 - 6,000	56.78 - 681.35	80 - 1,000	+/-1.0%	3,700
						+/-0.1%	
WM0200 X 2	2" x 2"	40 - 400	1300 - 13,000	151.41 - 1514.12	210 - 2,100	+/-1.0%	3,700
						+/-0.1%	
WM0300 X 3	3" x 3"	60 - 600	2100 - 21,000	227.12 - 2271.18	320 - 3,200	+/-1.0%	3,700
						+/-0.1%	
WM0400 X 4	4" x 4"	120 - 1,200	4100 - 41,000	454.24 - 4542.36	654.12 - 6,541.18	+/-1.0%	3,700
						+/-0.1%	
WM0600 X 6	6" x 6"	250 - 2,500	6800 - 85,700	757.06 - 9463.25	1,362 - 13,627.50	+/-1.0%	3,700
						+/-0.1%	
WM0800 X 8	8" x 8"	350 - 3,500	12,000 - 120,000	1,324.85 - 13,248.57	1,907.84 - 9,078.47	+/-1.0%	3,700
						+/-0.1%	

Field Services and Support

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

Custom meters and instrumentation options for your application are readily available.

Turbines, Inc. products are always in stock and ready for immediate shipment, typically within 24 hours.



Headquarters

P.O. Box 933 | Highway 283 North | Altus, OK 73522 USA
Tel: +1-580-477-3067 | Fax: +1-580-477-3071

www.turbinesincorporated.com

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 registered to ISO 9001 and AS:9100 compliance, as well as ASME S and U, NB R, PED Module H, Indian IBR, and GOST.

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



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