

3A TURBINE FLOWMETER

SANITARY TURBINE FLOWMETER FOR LIQUID MEASUREMENT



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

Turbines, Inc. maintains a team of dedicated engineers, technicians, and application specialists, who are on-call to assist with product/application guidance, technical assistance, and special configurations or modifications.

Specifications

Flow Meter ID (Inches)	Flow Range (GPM)
1/2"	1.25-10
5/8"	1.75-16
3/4"	2.5-30
1"	4-60
1-1/4"	6-93
1-1/2"	8-130
2"	15-225
3"	40-650

Linearity	+/- 0.5% over standard flow range
Repeatability	+/- 0.1% over standard flow range
Operating Temperature	-100°F to 450°F (consult factory for other options)
Flow Rate	From 1.25 to 650 GPM
Cleaning Methods	CIP/SIP/COP/SOP
Surface Finish	Minimum 32 µin Ra
Materials	
Meter Body	316 Stainless Steel
Rotor	17-4 PH Stainless Steel
Bearings	Hard Carbon Composite, Rulon 123
Additional Information	
Connections	Sanitary
Certifications	3A Sanitary Standards 28-04, CRN Certified, NIST

Model Number Designation for 3A Turbine Meter and 3A Rebuild Kit**TMS/TKSA0100X2-3A-G-2HUB****Style of Turbine Flow Meter**

TMSA	Sanitary Style Turbine Meter
TKSA	Sanitary Style Turbine Meter Rebuild Kit

Turbine Flow Meter Size

0050	1/2"	(1" inlet diameter, 1.984" flange diameter standard)
0058	5/8"	(1" inlet diameter, 1.984" flange diameter standard)
0075	3/4"	(1" inlet diameter, 1.984" flange diameter standard)
0100	1"	(1" inlet diameter, 1.984" flange diameter standard)
0125	1 1/4"	(1 1/2" inlet diameter, 1.984" flange diameter standard)
0150	1 1/2"	(1 1/2" inlet diameter, 1.984" flange diameter standard)
0200	2"	(2" inlet diameter, 2.516" flange diameter standard)
0300	3"	(3" inlet diameter, 3.579" flange diameter standard)

Optional End Fitting Size

Blank	Standard End Fitting
X1/2	1/2" inlet diameter, 0.984" diameter flange
X3/4	3/4" inlet diameter, 0.984" diameter flange
X1 1/4	1 1/4" inlet diameter, 1.984" diameter flange
X1 1/2	1 1/2" inlet diameter, 1.984" diameter flange
X2	2" inlet diameter, 2.516" diameter flange
X3	3" inlet diameter, 3.579" diameter flange

3A Compliant Materials, Surface Finish, etc

Blank	non-3A Sanitary Standard compliant
3A	3A Sanitary Standard compliant

Bearing Material

G	Carbon Graphite M100
R	Rulon® 123

Pickup Coil

Blank	Standard Single Magnetic Coil
2Hub	Two Magnetic Pickup Coils
PAI	Single Magnetic Coil w/ Integrated Pulse Amplifier
2PAI	Two Magnetic Coils w/ Integrated Pulse Amplifiers

Service

Our dedicated staff offers complete support and recertification for flow meters — whether our own or a competitor's brand. Our calibration services are performed by our trained technicians using the latest testing equipment.

Turbines, Inc. maintains extensive inventories in multiple locations to facilitate rapid, industry leading deliveries.

Worldwide Support

We serve customers globally with offices in Altus, OK; Seneca, SC; Odessa, TX; Cranston, RI; and Edmonton, Alberta, Canada.



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



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