

MZ Turbine Meters



Actaris MZ Turbine Meters are specially designed for the growing sub-meter market. Installed downstream of the utility's meter set, these meters are used to totalize flow of a particular process or to isolate specific large appliances such as boilers, furnaces, or water heaters. They are ideal for meeting state and federal EPA reporting requirements, which often stipulate the use of a "meter with a non-resettable index". Because they employ the same inferential method of measurement that the utility uses for billing, they permit an easy to understand reading and comparison for the end user.

They differ from the utility meters in that the bearings that are lubricated for life, and as such they require little or no maintenance. The meters are smaller, lighter and less expensive than turbines used for billing. Utilities can use these meters to offer a value added service without worrying about frequent call-backs for service associated with the more maintenance intensive turbines that they employ for fiscal measurement. The meters also come standard with multiple pulse outputs, which allows output of totalization and flow to be brought back to SCADA, a PLC or an Energy Management System

MZ Basic Specifications

Size	Material	Dimensions		ANSI	Weight	MAOP
		A	B			
2" (50 mm)	Ductile Iron	7.68"	2.36"	Wafer	8.8 lbs.	175
3" (80 mm)	Ductile Iron	8.46"	4.72"	Wafer	28.7 lbs.	175
4" (100mm)	Ductile Iron	8.46"	5.91"	150 FF	59.5 lbs.	175
6" (150mm)	Ductile Iron	10.63"	7.87"	150 FF	72.8 lbs.	175
8" (200 mm)	Ductile iron	11.42"	7.87"	150 RF	187.4 lbs.	175

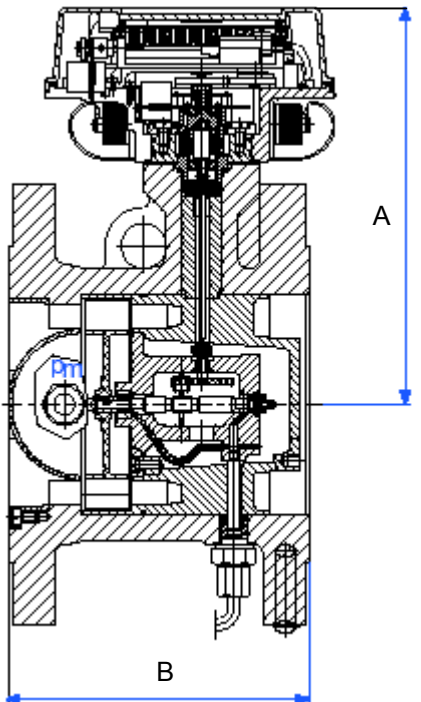
Operating Temp: -4°F to + 140°F (-20°C to + 60°C)

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Capacity Table

Size	Qmax (SCFH)	Qmin (SCFH)	Rangeability	ΔP ("w.c.)
2"	3500	353	10:1	3.25
3"	9000	565	16:1	4.42
4"	23000	1413	16:1	4.42
6"	35000	2295	15:1	1.73
8"	56000	3531	16:1	1.73

Features & Benefits

- **Two-Point Accuracy Curve** supplied as standard.
- **Non-resettable Odometer Style Index** as Std. **Low Frequency Reed Switch Output**
- **High Frequency Output**
- **Internal Flow straightening vanes** permit compact body for reduced size installations
- **Bearings lubricated for Life** for reduced maintenance

Optional Accessories & Services

- **Mechanical Drive Models** for use with P&T Correctors
- **Pressure &Temp Correction**
- **Strainers and Filters**
- **Medium- and High-Pressure Accuracy Curves available.**
- **High Pressure Steel Bodies** available (up to 1440 PSIG)
- **Additional Sizes available: 2" –16" (DN50-400)**

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