

## TZ Turbine Meters



Actaris TZ Turbine Meters are full length, fiscal quality meters suitable for both industrial sub-metering and utility billing. They feature a mechanical non-resettable index, an external oiler and a variety of pulse outputs. A built in flow straightener allows them to be installed in compact installations with only two straight pipe diameters upstream and none after the meter – saving considerably on installation costs.

### Capacity Table

Size	Qmax (SCFH)	Qmin (SCFH)	Rangeability	ΔP ("w.c.)
2"	3500	353	10:1	3.7
3"	14000	467	30:1	5.1
4"	23000	767	30:1	4.7
6"	56000	1867	30:1	5.5
8"	88000	2933	30:1	3.5
10"	141000	4700	30:1	4.4
12"	230000	7667	30:1	3.8
16"	350000	11667	30:1	3.8
20"	350000	11667	30:1	3.8

### MZ Basic Specifications

Size	Material	Dimensions			ANSI	Weight	MAOP
		A	E	L			
2" (50 mm)	Ductile Iron	7.1"	6.7"	5.9"	150 RF	18 lbs.	175
3" (80 mm)	Ductile Iron	9.8"	6.9"	9.4"	150 RF	42 lbs.	175
4" (100mm)	Ductile Iron	11.0"	7.5"	11.8"	150 RF	49 lbs.	175
6" (150mm)	Ductile Iron	11.2"	7.9"	17.7"	150 RF	119 lbs.	175
8" (200 mm)	Ductile iron	12.8"	9.3"	23.6"	150 RF	183 lbs.	175
10" (250mm)	Steel	13.8"	10.4"	29.5"	150 RF	265 lbs.	175
12" (300mm)	Steel	15.0"	11.6"	35.4"	150 RF	419 lbs.	175
16" (400mm)	Steel	19.7"	13.6"	47.2"	150 RF	970 lbs.	175
20"(500mm)	Steel	19.7"	14.9"	59.1"	150 RF	1279 lbs.	175

Operating Temp: Ambient -4°F to + 140°F (-20°C to + 60°C) , Gas 14°F to + 140°F (-10°C to + 60°C)

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### Features & Benefits

- Two-Point Accuracy Curve supplied as standard.
- Non-resettable Odometer Style Index (IP 67)
- Cuft or metric Readout
- Low Frequency Reed Switch Output
- High Frequency Output (Index & Blade Pick-up)
- 45° & 60° Turbine Blade Options
- Aluminum or Polyacetal Turbine Construction
- Internal Flow straightening vanes permit compact body for reduced size installations
- External Oil Pump for ease of maintenance

### Optional Accessories & Services

- Mechanical Drive Models for use with P&T Correctors
- Integrated Thermowell & Pressure Taps
- Perforated Anti-Turbulence Inlet Flow Plate
- Pressure & Temp Correction
- Strainers and Filters
- Medium- and High-Pressure Accuracy Curves available.
- High Pressure Steel Bodies available in ANSI 300/600 & ISO PN10-110 (up to 1440 PSIG)

