

1/2" MINI-TURBINE DATA SHEET

- 316 st st or PVDF body
- 0.5% reading *
- 0.75% FSD
- Sapphire bearings
- Optical detection
- 4 Flow ranges
- Pulse output
- 10 Bar rating
- Viton seal as std.
- 1/2" BSP
- 0.1% Repeatability
- 7.5 to 24 V dc
- 75°C Max
- LED status lights

* when used with our Metra-smart instrument

- Ideal for
- Laboratory tests
- Cooling equipment
- Active flow alarms
- Semiconductor plant



Our Mini-turbine flowmeters are designed to give high performance and competitive pricing with 4 flow ranges from 0.03 to 6.5 litres per minute. Its totally non-metallic wetted option makes this the ideal choice for the metering of aggressive chemicals including ultra-pure water. The standard pipe connections are 1/2" BSP but for OEM use alternatives are available. The bearings are made of sapphire for long life and reliability, the body is PVDF or 316 stainless steel and as standard the 'O' ring seal is Viton™. Alternative materials are available.



TITAN ENTERPRISES LTD.

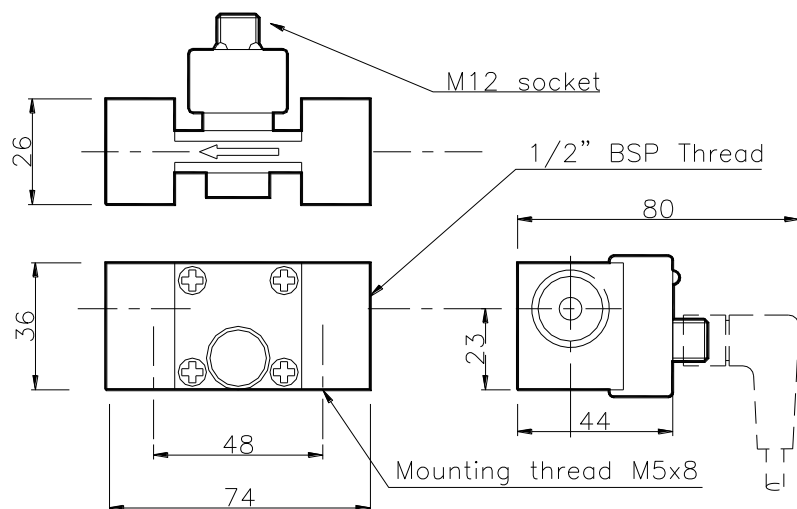
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Order Codes

Flow range	1203
	1215
	1245
	1265
Spindle mat'l	1 - Sapphire
	2 - 316 stainless steel
Pressure	8 - 10 Bar
	9 - 15 Bar
Body mt'l	3 - PVDF
	6 - 316 St St
'O' ring mt'l	V - Viton
	N - Nitrile
	S - Silicon

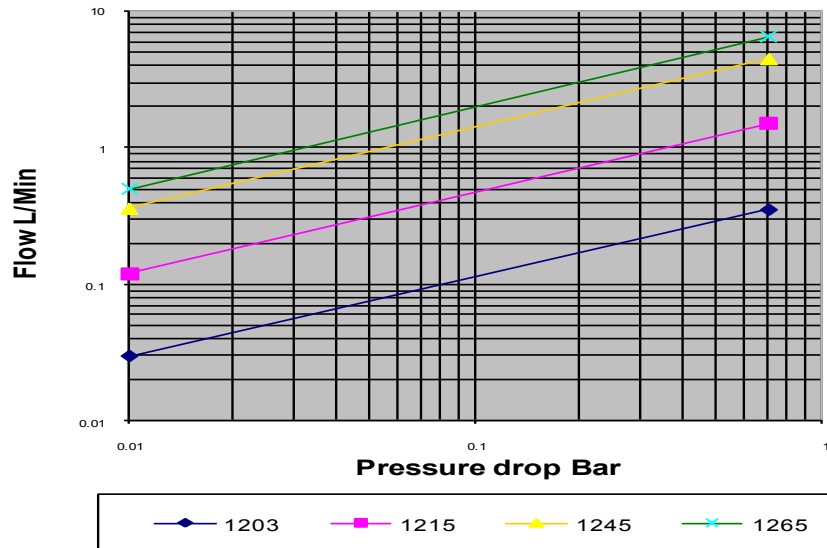
e.g. **1265-1 8 6-V** is a meter with a flow range of 0.5 to 6.5 L/Min, sapphire spindle, 10 Bar pressure rating, 316 stainless steel body and a viton seal. Standard meters are supplied with a 6 point traceable water calibration.

Mat'ls of construction

Body	- PVDF or 316 St St
'O' Ring seal	- Viton
Bearings	- Sapphire
Cover	- PVDF

Model	Flow range L/Min	Linearity % FSD	Typical Freq. Hz.	Approx 'K' Factor
1203	0-03-0-35	0.75	200	35000
1215	0-12-1-5	0.75	375	15000
1245	0-36-4-5	0.75	560	7500
1265	0-5-6-5	0.75	500	4600

Pressure drop Vs flow rate for 1/2" Mini-turbine



At the heart of the meter is a precision turbine that rotates freely on robust sapphire bearings. The detection is optical with a straight light path which is more tolerant to light path degradation than many of the competitive flowmeters with optical detection. The output is a NPN pulse which is readily interfaced with most electronic display or recording devices. This combination of materials and technology ensures a long life product with reliable operation throughout.

