



HBT HYGIENIC TURBINE FLOW METER

Designed specifically for use in hygienic environments the Metri HB Turbine Flow Meter is ideal to use in the Brewing, Food Processing and Pharmaceutical industries.

The accuracy, durability and ease of installation are perfectly suited to applications that will be handling liquids in a hygienic process.

The Metri HB Turbine Flow meter comes complete with hygienic Tri Clamp and RJT connections. All wetted parts are precision machined from solid stainless-steel material with no castings to provide excellent long-term viability, even in harsh applications. The HB Turbine is manufactured to an extremely high standard of finish for use within hygienic environments as a standard, out-of-the-box; electro-polishing is also offered as an optional extra for applications that require an additional level of finish.

Everything has been thought of in the manufacture of the Metri HB Turbine Flow Meter; especially cleaning and maintenance. The bearings of the meter can be easily cleaned by using low pressure steam and chemical in place (CIP); essential where components can be difficult to reach when in situ.

Typical liquid food installations include: Typical applications include:

- Syrups
- Water
- Vegetable Oils
- Foodstuffs
- Vinegars
- Metering
- Tanker off loading
- Batching
- Keg filling



Features include:

- Hygienic Tri Clamp & RJT connections
- Solid stainless-steel construction
- Electro-polish optional finish
- Low pressure steam clean
- Compatible with IC-FMS

Accurate, Long-term Reliability

Easy to Clean & Maintain

Excellent Repeatability

Easy to Install

Durable

Summary

- Brand: Metri
- Category: Flow meters
- Fluid type: Liquids
- Part ref: IC-HBT
- IWN: FLO-17xxxx

Suitable for the following market sectors:

- Industrial & Energy
- Research & Development
- Science & Medical
- Water & Waste water

Suitable for use with the following liquids:

- Clean Water

CONFIGURATIONS

Ordering information for the IC-HBT Hygienic Turbine Flow Meter

IC-HBT	Nominal size, flow range (based on H ₂ O at 20°C)		
	Tri	RJT	Flow Range
012A	½"	1"	12mm 2 - 20
016A	1"	1"	13.5mm 3.6 - 36
016B	1"	1"	13.5mm 6.6 - 66
020A	1"	1"	20mm 13 - 133
025A	1"	1½"	25mm 26 - 266
040A	2"	2"	50mm 56 - 566
050A	2½"	2½"	50mm 113 - 1133
080A	3"	3"	65mm 13.5 - 135m ³ /hr
0Z0Z	Other sizes and flow rates on request		

Process connection	
T	Tri clamp
R	RJT

Finish	
S	Standard Machine
E	Electro-polished

Approvals	
0	General purpose
1	ATEX

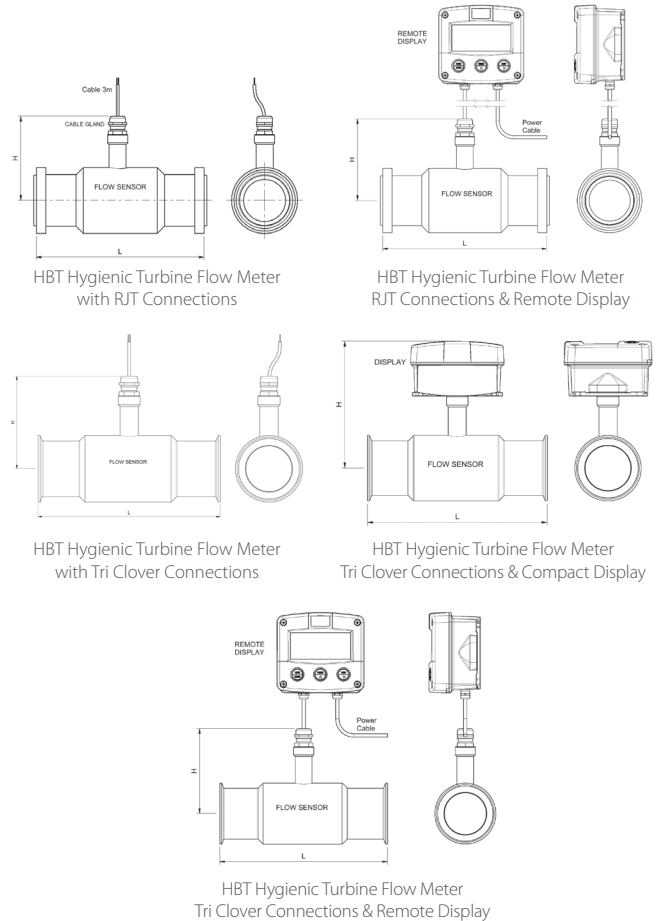
Output/display	
0	Coil only
P	IC-MV-PO pulsed output module
A	IC-MV-AN analogue output module
D	Flow transmitter / display (specify separately)

Mounting of instrument	
0	mV pick up
C	Compact instrument
R	Remote (max distance 3m)

Options	
0	None
Z	Please specify

ORDER CODE EXAMPLE

IC-HBT 012A T S 0 0 C 0



DIMENSIONS

Nominal Size	L mm		H mm				Weight kg*	
	Triclover	RJT	Coil only Triclover	Coil only RJT	Display Compact Triclover	Display Compact RJT	Display Compact Triclover	Display Compact RJT
(1/2")	80	100	97	97	149	149	1.2	1.5
(5/8")	90	100	98	98	150	150	1.5	1.8
(3/4")	120	120	100	100	152	152	1.8	2.2
(1")	120	120	103	103	155	155	1.8	2.2
(1.5")	160	150	110	110	162	162	3	3.7
(2")	175	175	115	115	167	167	4	4.9
(3")	250	124	124	176	176	176	5	6.1

*Weights stated are approximate & based on flow sensor with compact display.
Weight of Compact display without flow sensor = 0.5kg



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