TURBINE FLOWMETERS BY HOFFER

Perfecting Measurement ™

HO SERIES
Turbine Flowmeters for Gas Service

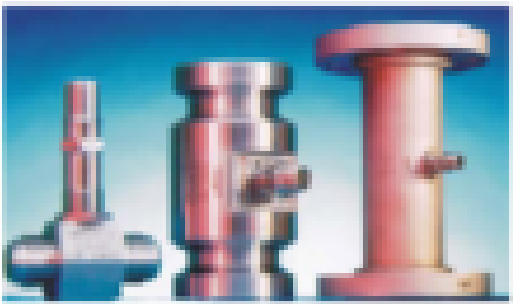
Product Bulletin HO-G-110M

TECHNICAL DATA SHEET

OUTSTANDING FEATURES

- Low cost.
- Outstanding accuracy.
- Provides wide flow ranges.
- Wide variety of process connections available.*
- Operate over a wide range of temperatures and pressures.
- Exclusive use of hybrid ceramic ball bearings provide superior life.

*NPT, Flanged or Flanged end connections are field added due to the cost restriction of the connections.



GAS SIZE SELECTION CHART FOR STANDARD HO SERIES TURBINE FLOWMETERS

Flowmeter Size Diameter (inches)	Repeatable Range** Based on a Gas Density of 1.0 lb/ft³		Repeatable Range** Based on a Gas Density of .0751 lb/ft³	
	Magnetic Coil (ACF M)	MCP Coil (ACF M)	Magnetic Coil (ACF M)	MCP Coil (ACF M)
1/2 x 1/4	N/A	10 – 150	N/A	3 – 53
1/2 x 3/4	N/A	.6 – 15	N/A	.6 – 5
3/4	N/A	5 – 50	N/A	1 – 20
3/4	N/A	8 – 20	N/A	1.2 – 28
1	4.5 – 40	4 – 40	5 – 40	1.6 – 40
1½	2.5 – 100	1.25 – 100	7 – 100	2.2 – 100
1½	5.0 – 200	1.75 – 200	15 – 200	5.5 – 200
2	10 – 300	3.5 – 300	20 – 300	7 – 300
2½	15 – 350	5 – 500	30 – 500	10 – 500
3	20 – 600	7.5 – 600	40 – 600	15 – 600
4	30 – 1100	N/A	60 – 1100	N/A
5	60 – 1800	N/A	80 – 1800	N/A
6	80 – 3000	N/A	140 – 3000	N/A
8	100 – 4800	N/A	250 – 4800	N/A
10	150 – 7500	N/A	500 – 7500	N/A
12	200 – 12000	N/A	800 – 12000	N/A

This chart is for quick reference only and not for final size. Calculate using actual service conditions.
** Lower limit of flow range is dependent on user's operating density.

SPECIFICATIONS

Overranges: 150% of maximum flow (intermittently).

Available Turn Down Range: Dependent on gas density at user's operating conditions.

Linearity: ±1% of reading typical. ***

Repeatability: ±0.05% over tabulated repeatable range.

Note: Performance enhancement techniques are routinely applied to produce wider linear and useable flow ranges. This technique is also used to improve linearity and repeatability. Consult the applications group at Hoffer with your requirements.

Available Temperature Range: -450°F to +500°F continuous (-450°F intermittent heat). Dependent on bearing/coil selection.

End Fittings: MI flared and flanged styles are recommended. Other types available on request.

Bearing Styles: Self-lubricating, ceramic hybrid ball bearings.

Materials: 316 SS, dual rated stainless steel standard. Consult with applications group for corrosive applications. Broad material list available.

***Linearity is density dependent for a given meter. Consult factory for details.