

# TURBINE FLOWMETERS HOFFER

Perfecting Measurement™



## HO SERIES AUTOCLAVE® Turbine Flowmeters for Liquid Service

Product Bulletin HA-L-1001

### TECHNICAL DATA SHEET

#### OUTSTANDING FEATURES

- Maximum working pressure of 10,000, 15,000 and 20,000 psi dependent upon line size.
- Outstanding accuracy.
- Provides wide flow ranges (10:1 to 100:1 turndown ranges available).
- Autoclave® end connections.



#### LIQUID SIZE SELECTOR CHART FOR HO AUTOCLAVE® SERIES TURBINE FLOWMETERS

Flowmeter Size	MAGNETIC PICKUP COIL				MODULATED PICKUP COIL			
	Linear Range (US GPM)	Linear Range (LPM)	Repeatable Range (US GPM)	Repeatable Range (LPM)	Linear Range (US GPM)	Linear Range (LPM)	Repeatable Range (US GPM)	Repeatable Range (LPM)
1/4*	.35-3.5	1.3-13.2	.25-4.5	.95-17	.35-3.5	1.3-13.2	.0625-4.5	.24-17
3/8*	.75-7.5	2.8-28.4	.3-9	1.1-34	.75-7.5	2.8-28.4	.075-9	.28-34
1/2	1.25-9.5	4.7-36	.6-12	2.3-45	1.25-9.5	4.7-36	.12-12	.45-45
5/8	1.75-16	6.6-60.6	.9-20	3.4-75.7	1.75-16	6.6-60.6	.2-20	.75-75.7
3/4	2.5-29	9.5-110	1.5-35	5.7-132.5	2.5-29	9.5-110	.35-35	1.3-132.5

NOTE: Performance enhancement techniques are routinely applied to produce larger linear and usable flow ranges. Consult with the applications group at Hoffer with your requirements.  
\* The linear flow ranges on 1/4" and 3/8" may be derated depending on bearing selection. Consult applications group for additional information.

#### SPECIFICATIONS

**Overrange:** 150% of maximum flow (intermittently).

**Linearity:** ±0.5% of reading (±0.25% typical) over tabulated linear flow range.

**Repeatability:** ±0.1% (±0.05% typical) over tabulated repeatable range.

**Available Turn Down Range:** 10:1 to 100:1.

**Available Temperature Range:** -450°F to +450°F Standard. High temperature option to +850°F. Refer to various flowmeter configurations for pressure ratings, outline dimensions and available sizes.

**Pressure Drop Characteristics:** 4 to 5 PSI at maximum linear flow rate at one CSTK.

**End Fittings:** 3/4" & 1" Autoclave® male thread.

**Bearing Styles:** Sleeve bearings in tungsten carbide and hard carbon composite are available.

**Materials:** 316/316L dual rated stainless steel standard. Consult with applications group for corrosive applications. Broad material list available.

#### PRESSURE RATINGS

Turbine Size	Autoclave® Fitting Size	Pressure Ratings PSIG/BARG*
1/4	3/4	15,000/1034
3/8	3/4	15,000/1034
1/2	3/4	15,000/1034
1/4	1	20,000/1380
3/8	1	20,000/1380
1/2	1	20,000/1380
5/8	1	20,000/1380
3/4	1	10,000/689

\*Pressure ratings based on max/min working temperature of 400°F.

