

# TURBINE FLOWMETERS BY HOFFER

Perfecting Measurement™

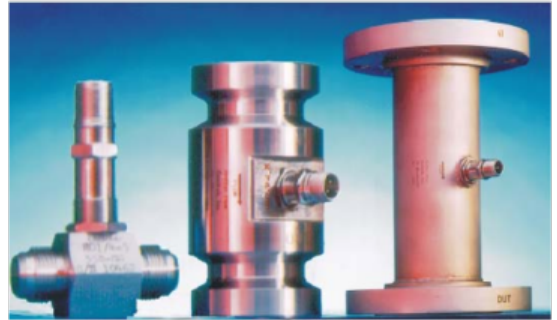


HO SERIES  
Turbine Flowmeters  
for Liquid Service  
Product Bulletin HO-L-110N

## TECHNICAL DATA SHEET

### OUTSTANDING FEATURES

- Low cost.
- Outstanding accuracy.
- Provides wide flow ranges (10:1 to 100:1 turndown ranges available).
- Wide variety of process connections available.
- Wide selection of construction materials.
- Operate over a wide range of temperatures and pressures.



LIQUID SIZE SELECTOR CHART FOR STANDARD HO 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
1"	4-60	15-227	2-75	7.6-284	4-60	15-227	.75-75	2.8-284
1-1/4"	6-93	23-352	3-115	11.4-435	6-93	23-352	1.15-115	4.35-435
1-1/2"	8-130	30.3-492	5-175	19-662	8-130	30.3-492	1.75-175	6.6-662
2"	15-225	56.8-852	11-275	42-1041	15-225	56.8-852	2.75-275	10.4-1041
2-1/2"	25-400	95-1514	15-500	56.8-1893	25-400	95-1514	5-500	19-1893
3"	40-650	151-2460	20-800	76-3028	40-650	151-2460	8-800	30.3-3028
4"	75-1250	284-4731	50-1500	189-5678	MCP not recommended in 4" and larger sizes			
5"	140-2000	530-7570	100-2500	379-9463				
6"	200-2900	757-10977	125-3600	473-13626				
8"	330-5200	1249-19682	270-6400	1022-24224				
10"	650-8000	2460-30280	540-9800	2044-37093				
12"	1400-12000	5299-45420	800-15000	3028-56775				

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" through 5/8" 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:** Available in NPT, MS flared and flanged styles. Other types available on request.

**Bearing Styles:** Ceramic hybrid ball bearings and 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.