

# STAINLESS High Pressure

## Series 800 ISO 10380 Qualified

- 812 Series manufactured with 321 stainless steel hose with 304 stainless steel braid
- 813 Series manufactured in T316 stainless steel hose with T316 stainless steel braid
- Pressure capability includes full vacuum to pressures shown below
- Temperature ratings from cryogenic to 1500°F
- Consult Temperature Correction Table on page 38 for concurrent high temperature/high pressure applications
- Meets or exceeds ISO 10380<sup>b</sup>
- Sold only as braided hose

### Series 800 — Annular, Stainless Steel, High Pressure Hose and Braid

Nominal Hose Size (in.)	Diameter Hose Size (DN)	Braid Layers	Nominal Outside Diameter	Nominal Inside Diameter	Minimum Centerline Bend Radius (in.)		Pressure ratings at 70°F (PSIG) <sup>a,b,c</sup>			Braid Sleeve Crimp O.D.d (in.)	Weight per Foot (lb.)
					Static	Dynamic	Maximum Working	Maximum Test	Nominal Burst		
1/4 <sup>e</sup>	8	1	.51	0.32	2.25	4.5	2500	3750	10000	0.59	0.19
		2	.56		3	6	3250	4875	13000	0.64	0.30
3/8	10	1	.67	0.42	3	6	2625	3938	10500	0.78	0.31
		2	.73		4	8	3250	4875	13000	0.87	0.51
1/2	15	1	.83	0.53	4.5	7.5	2000	3000	8000	0.93	0.39
		2	.89		6	10	3200	4800	12800	1.03	0.63
3/4	20	1	1.16	0.81	6	9	1525	2288	6100	1.27	0.59
		2	1.26		8	12	2625	3938	10500	1.37	0.96
1	25	1	1.43	1.03	6.75	10.5	1375	2063	5500	1.57	0.73
		2	1.54		9	14	2050	3075	8200	1.71	1.10
1 1/4	32	1	1.87	1.26	4.5	13.5	1125	1688	4500	2.02	1.32
		2	1.98		6	18	1800	2700	7200	2.19	2.02
1 1/2	40	1	2.19	1.55	5.25	16.5	1025	1538	4100	2.32	1.56
		2	2.25		7	22	1750	2625	7000	2.46	2.55
2	50	1	2.65	2.00	6.75	18	850	1275	3400	2.83	1.93
		2	2.78		9	24	1325	1988	5300	2.94	3.14
2 1/2	65	1	3.42	2.61	7.5	19.5	625	938	2500	—	2.72
		2	3.53		10	26	1125	1688	4500	—	4.23
3	80	1	3.98	3.10	11.25	24	563	844	2250	—	3.20
		2	4.09		15	32	1000	1500	4000	—	4.72
4	100	1	4.92	3.98	15	30	363	544	1450	—	3.79
		2	5.03		20	40	625	938	2500	—	5.48
5	125	1	5.85	5.03	20	40	300	450	1200	—	6.02
		2	5.98		25	50	500	750	2000	—	9.03
6	150	1	7.12	6.03	22.5	45	275	413	1100	—	7.01
		2	7.26		30	60	413	619	1650	—	9.57
8	200	1	9.34	7.96	30	60	200	300	800	—	11.38
		2	9.56		40	80	300	450	1200	—	15.45

- a. OmegaFlex hose and corresponding braid must be used in combination to achieve pressure ratings.  
 b. Hose sizes 3/8" through 2" meet ISO 10380 cycle life requirement of 50,000 minimum average cycles at maximum rated working pressure listed above.  
 c. Assemblies in sizes 2 1/2" through 8" must incorporate pullover braid with neck down design to meet listed pressure ratings. Contact OmegaFlex for details on this procedure.  
 d. Braid sleeve must be crimped to the listed braid sleeve crimp O.D. on sizes 2" and below in order to meet pressure ratings. Consult OmegaFlex for details.  
 e. 1/4" meets ISO 10380 cycle life requirements at OmegaFlex specified bend radius.

### Specifying Part Numbers for Series 800 Products

