



STAINLESS STEEL ANNULAR HOSE SERIES HSU

- Available in 321 stainless steel hose and 304 stainless steel braid. Other materials on request
- Pressure capability includes full vacuum to pressures shown below
- Temperature rating from cryogenic to 1500°F. Consult Temperature Correction Factors for concurrent high temperature/high pressure applications
- Meets or exceeds ISO 10380e

Series HSU — Annular, Stainless Steel, High Pressure Hose and Braid								
Nominal Hose Size (in.)	Braid Layers	Nominal Outside Diameter	Minimum Centerline Bend Radius (in.)		Pressure Ratings at 70°F (PSIG) ^{a,b,c}			Braid Sleeve Crimp O.D. ^d (in.)
			Static	Dynamic	Max. Working	Max. Test	Nominal Burst	
1/4 ^e	1	0.51	2.25	4.5	2500	3750	10000	0.58
	2	0.56	3	6	3250	4875	13000	0.59
3/8	1	0.67	3	6	2625	3938	10500	0.73
	2	0.73	4	8	3250	4875	13000	0.78
1/2	1	0.83	4.5	7.5	2000	3000	8000	0.90
	2	0.89	6	10	3200	4800	12800	0.93
3/4	1	1.16	6	9	1525	2288	6100	1.33
	2	1.26	8	12	2625	3938	10500	1.36
1	1	1.43	6.75	10.5	1375	2063	5500	1.59
	2	1.54	9	14	2050	3075	8200	1.66
1-1/4	1	1.87	4.5	13.5	1125	1688	4500	1.93
	2	1.98	6	18	1800	2700	7200	2.00
1-1/2	1	2.19	5.25	16.5	1025	1538	4100	2.25
	2	2.25	7	22	1750	2625	7000	2.32
2	1	2.65	6.75	18	850	1275	3400	2.71
	2	2.78	9	24	1325	1988	5300	2.79
2-1/2	1	3.42	7.5	19.5	625	938	2500	—
	2	3.53	10	26	1125	1688	4500	—
3	1	3.98	11.25	24	563	844	2250	—
	2	4.09	15	32	1000	1500	4000	—
4	1	4.92	15	30	363	544	1450	—
	2	5.03	20	40	625	938	2500	—
6	1	7.12	22.5	45	275	413	1100	—
	2	7.26	30	60	413	619	1650	—
8	1	9.34	30	60	200	300	800	—
	2	9.56	40	80	300	450	1200	—

a. SSB Hose, 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 requirements of 50,000 minimum average cycle life 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 SSB Hose 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.
e. 1/4" meets ISO 10380 cycle life requirements at ISO specified pressure.