

Monel® 400

Construction:

Monel® 400 hose and braid
Annular construction

Maximum Working Pressure:

Full vacuum up to 3025 psig
depending on size

Sizes:

1/2" through 3"

Temperature:

Cryogenic to 800°F

500 Unbraided
502 Two Braid

501 One Braid

NOMINAL HOSE I.D.	HOSE TYPE	HOSE O.D.	WEIGHT PER FT.	MIN.LIVE LENGTH FOR VIBRATION	MINIMUM BEND RADIUS		MAXIMUM WORKING PRESSURE	MAXIMUM TEST PRESSURE	NORMAL BURST PRESSURE
					STATIC BEND	DYNAMIC FLEXING			
1/4"	500	0.49	0.16	3.75	0.875	5.500	180	270	—
	501	0.55	0.23	3.75	0.875	5.500	2250	3375	9000
	502	0.61	0.31	3.75	0.875	5.500	3025	4535	12100
3/8"	500	0.66	0.24	4.50	1.125	6.000	140	210	—
	501	0.73	0.34	4.50	1.125	6.000	1575	2360	6300
	502	0.79	0.44	4.50	1.125	6.000	2050	3075	8200
1/2"	500	0.84	0.40	5.00	1.500	7.000	120	180	—
	501	0.90	0.51	5.00	1.500	7.000	835	1250	3340
	502	0.96	0.64	5.00	1.500	7.000	1500	2250	6000
3/4"	500	1.21	0.79	5.75	2.125	8.500	90	135	—
	501	1.27	0.96	5.75	2.125	8.500	600	900	2400
	502	1.33	1.15	5.75	2.125	8.500	1080	1620	4320
1"	500	1.53	1.02	7.00	2.750	10.000	56	85	—
	501	1.59	1.22	7.00	2.750	10.000	420	630	1680
	502	1.65	1.44	7.00	2.750	10.000	755	1130	3025
1 1/4"	500	1.86	1.61	7.50	3.250	11.500	53	80	—
	501	1.92	1.84	7.50	3.250	11.500	315	420	1270
	502	1.98	2.08	7.50	3.250	11.500	570	855	2285
1 1/2"	500	2.19	1.97	8.00	3.750	13.000	37	55	—
	501	2.29	2.55	8.00	3.750	13.000	565	850	2260
	502	2.39	3.16	8.00	3.750	13.000	1015	1526	4060
2"	500	2.83	2.63	9.50	5.000	16.000	20	30	—
	501	2.93	3.37	9.50	5.000	16.000	415	620	1660
	502	3.03	4.11	9.50	5.000	16.000	745	1015	2985
3"	500	3.57	1.69	9.00	8.250	21.000	4	6	—
	501	3.67	2.50	9.00	8.250	21.000	225	335	900
	502	3.77	3.32	9.00	8.250	21.000	425	635	1700

Monel® Slip-On Braid Specifications

TYPICAL HOSE O.D. (IN.)	NOMINAL HOSE I.D. (IN.)	BRAID I.D. (IN.)	BRAID CONSTRUCTION	BRAID ANGLE	COVERAGE (%)	WORKING PRESSURE (PSIG)	WEIGHT (LB/FT)
0.49	1/4	0.48	24x5x.0126	52	84.0	1665	0.07
0.66	3/8	0.66	24x7x.0126	52	86.1	1160	0.10
0.84	1/2	0.84	24x8x.0126	52	80.8	830	0.12
1.21	3/4	1.20	48x6x.0126	52	83.7	605	0.17
1.53	1	1.53	48x8x.0126	52	86.2	415	0.23
1.86	1 1/4	1.86	48x10x.0126	52	97.6	315	0.29
2.19	1 1/2	2.19	48x8x.020	52	90.8	570	0.58
2.83	2	2.83	48x10x.020	52	89.5	415	0.73
3.57	3	3.57	48x10x.020	45	94.3	185	0.64