

Stainless Steel Hose

VITALFLEX® - Omega / Braided Braid



Omega Part No.: SS0-O Tube Only / SS1-O Tube and Single Braid / SS2-O Tube and Double Braid

Braided Braid Part No.: SS0-B Tube Only / SS1-B Tube and Single Braid / SS2-B Tube and Double Braid

Construction: Omega / Close Pitch

Tube Available: 304 / 316 Stainless Steel

Braid Available: 304 / 316 Stainless Steel

Size Available: 5" - 20"

(Larger sizes upon Request)

Max Temp: -276°C to 700°C

Low | Med | High

Flexibility 

Cycle Life 

Pressure Rating 

Chemical Resistance 

Wall Thickness 

Construction



Applicable Standards:

Corrugated Metal Hoses: ISO 10380

AGA Approved: AS 4631 (upon request)

Watermark Approved: WMTS 520 (upon request)

Welding Compliant: AS 4041- Class 1 (upon request)

Seismic Rated: AS 1170 (upon request)

Activfire Certified: AS 2118.1 (upon request)

Temperature Correction Factor

-200	-150	-100	-50	0	20	50	100	150	200	250	300	350	400	450	500	550	600	650	700
1.0	1.0	1.0	1.0	1.0	1.0	0.93	0.83	0.72	0.66	0.62	0.59	0.56	0.55	0.53	0.51	0.50	0.50	0.19	0.1

Omega

Nominal Dia.		Outside Dia. (mm)			Weight (Kg/m)			Min. Bend Radius (mm)		Working Pressure (kPa)			Burst Pressure (kPa)		
mm	inch	SS0	SS1	SS2	SS0	SS1	SS2	Static	Dynamic	SS0	SS1	SS2	SS0	SS1	SS2
125	5"	151	155	159	2.8	5	7.2	500	1200	200	1610	2455	800	6440	9820
150	6"	176	184	188	3.8	6.6	9.4	600	1500	200	1610	2455	800	6440	9820
200	8"	238	245	250	6.7	12	17.3	800	2000	200	1250	1975	800	5000	7900
250	10"	292	303	308	10.6	17	25	1000	2200	200	1022	1597	800	4088	6388
300	12"	345	365	370	17.1	20	26.5	1200	2500	200	815	1280	800	3260	5120
350	14"	400	415	420	20	24	29	1400	3000	200	805	1207	800	3220	4828
400	16"	460	465	470	22.8	28	33	1600	3500	200	600	1000	800	2400	4000
450	18"	500	502	504	40	50	60	2250	4500	100	500	800	400	2000	3200
500	20"	575	577	579	46	58	70	2500	5000	100	500	800	400	2000	3200

Higher pressure hoses can be designed on request

Braided Braid (High Pressure)

Nominal Dia.		Outside Dia. (mm)			Weight (Kg/m)			Min. Bend Radius (mm)		Working Pressure (kPa)			Burst Pressure (kPa)		
mm	inch	SS0	SS1	SS2	SS0	SS1	SS2	Static	Dynamic	SS0	SS1	SS2	SS0	SS1	SS2
125	5"	151	158	165	2.8	5	7.2	500	1200	200	1935	2902	800	7740	11608
150	6"	176	187	194	3.8	7	9.4	600	1500	200	1800	2700	800	7200	10800
200	8"	238	248	256	6.7	12.5	18	800	2000	200	1613	2578	800	6452	10312
250	10"	292	306	314	10.6	18.1	25.8	1000	2200	200	1211	1937	800	4844	7748
300	12"	345	368	376	17.1	21	28	1200	2500	200	910	1456	800	3640	5824
350	14"	400	418	426	20	25	30	1400	3000	200	885	1416	800	3540	5664
400	16"	460	468	476	22.8	30.2	38	1600	3500	200	780	1170	800	3120	4680
450	18"	500	505	510	40	52	64	2250	4500	100	600	900	400	2400	3600
500	20"	575	580	585	46	60	74	2500	5000	100	550	825	400	2200	3300

Higher pressure hoses can be designed on request