

Stainless Steel Hose

VITALFLEX® - High Pressure



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

Construction: Annular / Close Pitch / Heavy Wall

Tube Available: 304 / 316 / 321 Stainless Steel

Braid Available: 304 / 316 Stainless Steel

Size Available: 1/4" - 6"

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

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
6	1/4"	12.7	14.5	16.3	0.13	0.25	0.39	25.4	127	1242	17678	28283	4968	70712	113132
10	3/8"	17	18.8	20.6	0.19	0.37	0.54	31.8	139.7	690	10357	16567	2760	41428	66268
12	1/2"	20.8	23.4	25.9	0.58	0.94	1.29	38.1	203.2	552	15139	24219	2208	60556	96876
20	3/4"	30.7	33.3	35.8	0.71	1.18	1.64	50.8	203.2	483	9046	14476	1932	36184	57904
25	1"	38.1	40.6	43.2	1.18	1.79	2.40	76.2	228.6	276	7376	11799	1104	29504	47196
32	1 1/4"	47	50	53.3	1.52	2.47	3.42	82.6	254	228	7659	12254	912	30636	49016
40	1 1/2"	55.1	58.4	61.7	2.02	3.14	4.26	82.6	254	138	5989	9577	552	23956	38308
50	2"	63.8	67.1	70.1	2.38	3.81	5.24	136.7	292.1	104	5589	8942	416	22356	35768
65	2 1/2"	82	85.3	88.6	2.98	4.64	4.91	177.8	609.6	69	3988	6383	276	15952	25532
80	3"	96	99.3	102.4	4.42	6.58	8.74	190.5	711.2	69	3726	5962	276	14904	23848
100	4"	122.2	125.2	128.3	4.61	6.77	8.93	508	1016	55	2298	3678	220	9192	14712
150	6"	174.5	180.3	186.2	5.73	9.60	13.47	609.6	2413	35	1835	2933	140	7340	11732

Applications

