

Stainless Steel Hose

VITALFLEX® - Ultra High Pressure



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

Construction: Annular / Close Pitch / Heavy Wall

Tube Available: 316 Stainless Steel

Braid Available: 304 / 316 Stainless Steel

Size Available: 1/4" - 2"

Max Temp: -276°C to 700°C

Low | Med | High

Flexibility

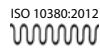
Cycle Life

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)

Fire Protection Systems (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	14.7	16.3	0.30	0.42	0.54	304.8	152.4	1241	18988	30378	4964	75953	121513
10	3/8"	17.0	19.1	21.1	0.46	0.64	0.82	304.8	152.4	689	13245	21188	2758	52979	84750
12	1/2"	20.8	23.4	25.9	0.60	0.86	1.13	355.6	177.8	552	13748	22008	2206	54993	88032
20	3/4"	31.0	34.0	37.1	0.97	1.37	1.77	381	190.5	483	13748	22008	1931	54993	88032
25	1"	38.6	41.9	45.0	1.52	2.20	2.89	406.4	203.2	276	11025	17637	1103	44099	70547
32	1 1/4"	47.0	50.0	53.1	2.32	3.01	3.69	457.2	228.6	172	9080	14527	689	36322	58109
40	1 1/2"	55.6	58.7	61.7	2.99	3.94	4.91	482.6	241.3	138	7322	1107	552	29289	46829
50	2"	63.8	67.1	70.4	3.62	4.72	5.82	609.6	304.8	103	5805	9280	414	23222	37121

Applications



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