

Stainless Steel Hose

VITALFLEX® - Annular



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

Construction: Annular / Close Pitch

Tube Available: 304 / 316 Stainless Steel

Braid Available: 304 / 316 Stainless Steel

Size Available: 1/4" - 4"

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 ISO 10380 (316L)

-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

Annular

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"	9.60	10.80	12.10	0.13	0.25	0.39	28	80	496	16270	19523	1985	65079	78095
10	3/8"	14.50	15.50	16.70	0.19	0.37	0.53	38	129	496	11299	13560	1985	45197	54242
12	1/2"	16.70	18.00	19.72	0.34	0.50	0.68	45	139	496	8445	10134	1985	33780	40536
20	3/4"	26.70	28.00	29.20	0.58	0.88	1.18	67	167	296	7128	8555	1186	28513	34221
25	1"	32.20	33.70	34.90	0.79	1.12	1.46	84	190	296	5487	6583	1186	21950	26335
32	1 1/4"	41.20	42.60	43.80	1.13	1.60	2.05	105	260	296	4136	4963	1186	16545	19854
40	1 1/2"	49.50	50.90	52.10	1.25	1.84	2.43	130	298	193	3840	4605	772	15359	18420
50	2"	60.30	61.70	62.90	1.34	2.27	3.20	160	318	193	3930	4715	772	15718	18862
65	2 1/2"	84.00	85.30	88.30	1.76	2.78	3.83	203	500	100	2826	4521	400	11307	18084
80	3"	98.00	100.30	102.30	1.81	2.99	4.19	229	558	90	2310	3696	400	9240	14784
100	4"	124.00	126.30	128.30	2.52	4.01	5.50	330	685	80	1654	2646	320	6618	10584

Part Number Key:

SSABC-D-E

A: Braid quality required 0 = no braid 1 = Single Braid 2 = Double Braid 3 = Triple Braid
B: Tube Material 6S = 316 Tube 4S = 304 Tube
C: Braid Material 6S = 316 Braid 4S = 304 Braid
D: Hose Type A = Annular, B = Braided Braid, O = Omega
E: Hose Size 06 = 1/4", 10 = 3/8", 12 = 1/2", 20 = 3/4", 25 = 1", 32 = 1-1/4", 40 = 1-1/2"

Example: SS16S4S-A-40 = 1-1/2" Single Braided Annular Stainless Steel Hose, 316 Tube and 304 Braid

Example: SS26S6S-A-50 = 2" Double Braided Annular Stainless Steel Hose, 316 Tube and 316 Braid