

Hastelloy Hose

VITALFLEX® - 276 Hastelloy hose



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

Construction: Annular / Close Pitch

Tube Available: 276 Hastelloy

Braid Available: 276 Hastelloy

Size Available: 1/2" - 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 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
12	1/2"	20.83	22.61	24.38	0.37	0.64	0.89	63.50	127.00	552	7412	11859	-	29654	47436
20	3/4"	30.73	32.51	34.29	0.64	1.03	1.43	76.20	152.40	483	5461	8736	-	21843	34950
25	1"	38.35	40.13	41.91	0.86	1.35	1.85	92.71	185.42	276	3937	6316	-	15755	25262
40	1 1/2"	55.63	57.91	60.20	1.37	2.19	3.01	109.22	218.44	138	3254	5206	-	13010	20829
50	2"	66.04	69.09	72.14	1.49	2.49	3.47	152.40	304.80	103	3558	5695	-	14231	22766
80	3"	96.01	98.55	101.09	1.80	3.32	4.85	228.60	558.80	69	2179	3489	-	8715	13941
100	4"	123.19	126.49	129.54	2.51	4.38	6.24	330.20	685.80	55	1600	2558	-	6391	10239
150	6"	174.50	180.34	186.18	5.16	7.81	10.46	482.60	914.40	34	1138	1820	-	4551	7281
200	8"	230.89	233.43	235.71	8.27	14.05	19.88	508.00	1016.00	41	1613	2579	-	6440	10308

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 H0C276 = Hastelloy C276 Tube
C: Braid Material HBC276 = Hastelloy C276 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: SS1HC276-A-40 = 1-1/2" Single Braided Annular Hastelloy C276 Hose, Hastelloy C276 Tube and Hastelloy C276 Braid

Example: SS2HC276-A-50 = 2" Double Braided Annular Hastelloy C276 Hose, Hastelloy C276 Tube and Hastelloy C276 Braid