

General

The SHU - Ultra high pressure hose series is hydroformed annular, heavy-wall corrugated metal hose, specifically designed for ULTRA-high-pressure applications.

The SHU hoses offer superior flexibility and are made from heavy-wall 321 stainless steel.

Features

- Braided, double braided or unbraided corrugated tube assembly
- Core tube is made of 321 stainless steel, 316L stainless steel core tube is available.
- Braid is made of 304 stainless steel, 316 stainless steel braid is available.
- Annular Hydroformed corrugation
- Tube ID 1/4", 3/4" up to 2"
- Max. pressure 6000psi (414bar), 4 to 1 safety rate factor
- Min. static bend radius for braided hose 0.9 inch (23mm)
- Min. dynamic bend radius for braided hose 4.5inch (114mm)
- Full range of end connections

SHU Series - Ultra High Pressure

Inside Diameter		Number of Braids	Outside Diameter		Static Minimum Bend Radius		Dynamic Minimum Bend Radius		Maximum Working Pressure		Burst Pressure		Weight Per Foot (lbs)	Weight Per Meter (kg)
(inch)	(mm)		(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)		
1/4	6.35	0	0.43	10.9	0.5	13	4.5	114	500	34	n/a	n/a	0.15	0.22
		1	0.56	14.1	1.5	38			5000	345	20000	1379	0.32	0.48
		2	0.68	17.3	1.5	38			6000	414	24000	1655	0.49	0.73
3/4	19.05	0	1.15	29.2	2.5	64	4.5	114	250	17	n/a	n/a	0.63	0.94
		1	1.28	32.5	4.0	102	10.0	254	2650	183	10669	736	1.09	1.62
		2	1.40	35.6	4.0	102	10.0	254	3600	248	14521	1001	1.58	2.35
1	25.40	0	1.45	36.8	3.25	83	7.0	178	180	12	n/a	n/a	0.84	1.25
		1	1.57	39.9	5.0	127	11.0	279	2500	172	10000	689	1.53	2.28
		2	1.70	43.2	5.0	127	11.0	279	3000	207	12083	833	2.25	3.35
1 1/4	31.75	0	1.75	44.5	5.0	127	9.5	241	190	13	n/a	n/a	1.32	1.96
		1	1.88	47.8	6.5	165	12.5	318	1775	122	7119	491	2.09	3.11
		2	2.00	50.8	6.5	165	12.5	318	2600	179	10400	717	2.88	4.29
		3	2.13	54.1	7.0	178	14.0	356	3000	207	12082	833	3.71	5.52
1 1/2	38.10	0	2.11	53.6	6.0	152	11.5	292	110	8	n/a	n/a	1.75	2.60
		1	2.23	56.6	7.5	191	13.0	330	1450	100	5800	400	2.64	3.93
		2	2.36	59.9	7.5	191	13.0	330	2200	152	8892	613	3.57	5.31
2	50.80	0	2.57	65.3	7.5	191	12.0	305	100	7	n/a	n/a	2.04	3.04
		1	2.70	68.6	9.0	229	14.0	356	1100	76	4415	304	3.23	4.81
		2	2.82	71.6	9.0	229	14.0	356	1675	115	6710	463	4.45	6.62



Materials of Construction

Part	Material
Tube	SS 321 / SS 316L
Braid	SS 321
End Connections	SS 316L