

Flexible Metal Hose



Flexible metal hose used for conveying all kinds of medium is a kind of flexible element made up of stainless steel ripple hose consisting of outer braided layer, one or multilayer wire or steel belt net, with joints or flange at both ends. Its characteristic is: corrosion-resistance, high temperature resistance, low temperature resistance, light weight, small volume, and good flexibility.

Flexible metal hose is widely used in the fields of petroleum, chemical industry, aerospace, metallurgy, electricity, gas, building, mechanical, construction, iron and steel, paper making, fabric, medicine, food and vessels for conveying water, steam, oil, chemicals, etc.

Inner Tube: SS304/SS316

Construction: Annular /Close Pitch

Braid: SS304/SS316

Size: 1/4" to 8"

Working Temperature: -280°C to+420°C

Tina Zhao / Sales Manager

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Specifications

Flexible Metal Hose Data Sheet

Braid layers	I.D	O.D	Min. bend radius		Pressure ratings at 20 °C		Weight/foot lbs.
			Static	Dynamic	WP.	BP.	
	inch	inch	inch	inch	psi	psi	
1	1/4	0.51	2.25	4.5	2500	10000	0.19
2		0.56	3	6	3250	13000	0.3
1	3/8	0.67	3	6	2625	10500	0.31
2		0.73	4	8	3250	13000	0.51
1	1/2	0.83	4.5	7.5	2000	8000	0.39
2		0.89	6	10	3200	12800	0.63
1	3/4	1.16	6	9	1525	6100	0.59
2		1.26	8	12	2625	10500	0.96
1	1	1.43	6.75	10.5	1375	5500	0.73
2		1.54	9	14	2050	8200	1.1
1	1-1/4	1.87	4.5	13.5	1125	4500	1.32
2		1.98	6	18	1800	7200	2.02
1	1-1/2	2.19	5.25	16.5	1025	4100	1.56
2		2.25	7	22	1750	7000	2.55
1	2	2.65	6.75	18	850	3400	1.93
2		2.78	9	24	1325	5300	3.14
1	2-1/2	3.42	7.5	19.5	625	2500	2.72
2		3.53	10	26	1125	4500	4.23
1	3	3.98	11.25	24	563	2250	3.2
2		4.09	15	32	1000	4000	4.72
1	4	4.92	15	30	363	1450	3.79
2		5.03	20	40	625	2500	5.48
1	6	7.12	22.5	45	275	1100	7.01
2		7.26	30	60	413	1650	9.57
1	8	9.34	30	60	200	800	11.38
2		9.56	40	80	300	1200	15.45

Note: The data are based on 20 °C. Pressure will decrease as the ambient temperature increases.








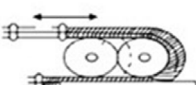
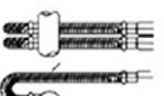





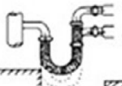







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Installation notice

✘ Wrong	○ Right	Notice
		Avoid excessive bending. The bending radius should be greater than the minimum bending radius, otherwise, the hose will be damaged.
		Not allowed to be less than the minimum bending radius, if necessary the hose should be installed with a rigid elbow.
		The direction of movement and the axis of the hose should be in the same plane to avoid the distortion stress.
		When the hose length is longer, the hose is easy to drop, and the pulley support should be installed.
		The direction of movement and the axis of the hose should be in the same plane to avoid the distortion stress.
		It should be installed with rigid elbow to avoid alternating stress and excessive bending.
		To avoid the generation of alternating stress and excessive bending, it need to install rigid elbow.
		When free bending installation, the hose should avoid the wall, ground and other objects friction.
		To avoid excessive bending, it should be installed with roller carrier.
		To avoid excessive bending, it should be installed with rigid elbow.
		If cannot avoid external mechanical stretching, it should be covered with a protective layer.

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