



HOSE

Stainless Steel Corrugated Flexible Hoses are offered from 6mm (1/4") to 300mm (12"). The Annular Corrugated Hose body provides the flexibility and pressure tight core of the assembly.

BRAID

Unbraided Corrugated Hoses tend to elongate when pressurised above a certain level. To restrain this, an external layer of Stainless Steel Wire Braiding is provided on the hose. Braiding prevents longitudinal expansion of Corrugated Hose and thus increases the internal pressure strength of the hose manifold. Braiding is highly flexible and exactly follows the movements of the hose. To increase the pressure ratings further , two or even three layers of braiding are provided. Normally, Braiding in high tensile stainless steel AISI 304 wire will be supplied.

ASSEMBLIES

Stainless Steel Hose assemblies can supplied with any types of end connections in various types of materials. The end connection are Tig Welded to Hose.

SPECIFICATIONS: STAINLESS STEEL CORRUGATED HOSES

NOMINAL BORE		MINIMUM BEND RADIUS		SINGLE BRAID				DOUBLE BRAID			
MM	IN	STATIC (mm)	FLEXING (mm)	Max working Pressure at 20°c		Burst Pressure at 20°c		Max working Pressure at 20°c		Burst Pressure at 20°c	
				BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI
6	1/4	25	85	120	1740	480	6960	192	2784	768	11136
10	3/8	38	140	105	1525	420	6100	168	2435	672	9740
12	1/2	45	140	88	1275	352	5100	142	2060	568	8240
16	5/8	58	160	73	1060	292	4240	116	1680	464	6720
20	3/4	70	170	64	928	256	3712	103	1494	412	5974
25	1	85	190	50	725	200	2900	80	1160	320	4640
32	1 ¼	105	260	42	610	168	2440	67	972	268	3888
40	1 ½	130	300	35	508	140	2030	56	812	224	3248
50	2	160	320	30	435	120	1740	48	696	192	2784
65	2 ½	180	410	26	377	104	1508	41	595	164	2380
80	3	200	450	18	261	72	1044	29	421	116	1682
100	4	290	560	16	232	64	928	26	377	104	1508
125	5	325	710	14	203	56	812	23	334	92	1334
150	6	380	815	12	175	48	700	20	290	80	1160
200	8	500	1015	10	145	40	580	16	232	64	928
250	10	620	1270	7.5	109	30	435	12	174	48	696
300	12	725	1525	6	87	24	348	9.5	138	38	551

NOTE : • Suitable for wide temperature range (-270° C to 600° C). • AISI 316/316L Grade Stainless Steel hose reinforced with SS 304 Braid. • The above pressure ratings are for fluid and ambient temperature of 20° C. • Test pressure is 1.5 times of maximum working pressure. • Burst Pressure is 4 times the maximum working pressure. • AISI 321 Grade Stainless Steel hose reinforced with SS 304 Braid available on request. • Stainless Steel Corrugated Flexible Hoses Conform to BS 6501 Part -I 1991. • The above technical data is subject to change on account of design improvement.