

FLEXIBLE HOSE

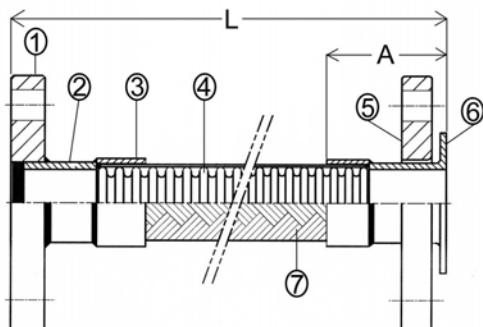
STAINLESS STEEL FLEXIBLE HOSE



Selection Criteria for Flexible Hose

Type	Construction	Nominal Diameter (A)	Max. Working Pressure MPa {kgf/cm ² }		Max. Working Temperature °C	Applicable Fluid	Features	Purpose of Application	Application
SF100		8~20	1.96 {20}	2-Braid	220	Oil, Water, Hot Water, Steam, Gas, Air	Both ends union female thread. Material FCMB. Easy piping work and low cost. Standard length: 300mm., 400mm., 500mm.	- Making pipe alignment. - Absorption of pipe thermal deformation. - Absorption of machine vibration. - Connection with machine and pipe.	- Connection for air-conditioning. - Connection for pump. - Connection for various machines.
		25~32	1.47 {15}	-					
		40~50	0.98 {10}	-					
SF300		15	1.96 {20}	3.52 {36}	250	Oil, Water, Hot Water, Steam, Gas, Air, Chemicals	Both ends union female thread and suitable for high pressure. Both union material can be selected depending on fluids. (Example: Material of SS400, S25C, SUS304) Standard length: 300mm., 400mm., 500mm.	Same as the above.	Same as the above.
		20		3.13 {32}					
		25~32	1.47 {15}	2.94 {30}					
		40~50	0.98 {10}	1.96 {20}					
SF6800		250~300	1.18 {12}	2.36 {24}	250	Oil, Water, Hot Water, Steam, Gas, Air, Chemicals	One end fixed and the other loose flange. One body construction, which ribbon braid is welded with ring and collar. Annular type tube and good in vibration isolation. Also applicable as underground use. Standard length: 500mm., 800mm., 1000mm.	- Prevention for damage of pipe and equipment by ground sinking, earthquake, etc. - Making pipe alignment. - Connection with machine and pipe.	- Connection of tank (oil, water, chemicals, etc.). - Connection of plant piping. - Connection of water piping.
		350	0.98 {10}	1.96 {20}					
		400	0.78 {8}	1.56 {16}					
SF7800		15~20	1.96 {20}	3.52 {36}	250	Oil, Water, Hot Water, Steam, Gas, Air, Chemicals	One end fixed and the other loose flange high pressure type for more than 0.98MPa {10kgf/cm ² }. Besides, it can be matched to high pressure inserting steel ring to the waist of tube. Standard length: 300mm., 400mm., 500mm.	Same as the above.	Same as the above.
		25~40	1.47 {15}	2.94 {30}					
		50~200	0.98 {10}	1.96 {20}					
SF9800		250	0.78 {8}	1.37 {14}	300	Oil, Water, Hot Water, Steam, Gas, Air, Chemicals	One end fixed and the other loose flange. Construction of ribbon braid tightened with braid band. Large diameter and suitable for absorption of large movement. Standard length: 800mm., 1000mm., 1200mm.	- Prevention of damage of pipe and equipment by ground sinking, earthquake, etc. - Making pipe alignment. - Connection with machine and pipe.	- Connection of tank (oil, water, chemicals, etc.). - Connection of plant piping. - Connection of water piping.
		300		1.17 {12}					
		350~400	0.58 {6}	-					
Bendable Tube		15, 20	0.98 {10}		120	Water, Hot Water	Simple construction with both ends only swivel nuts and tube. Bendable freely and easy installation and low cost. Standard length: 200~500mm.	- Making pipe alignment. - Connection with machine and pipe.	- Connection of instantaneous water heater and hot water supply pipe. - Connection of kitchen unit. - Connection of water meter. - Connection of equipment bath.

SF7800 Flange Type Flexible Hose (Wire Braid Type)

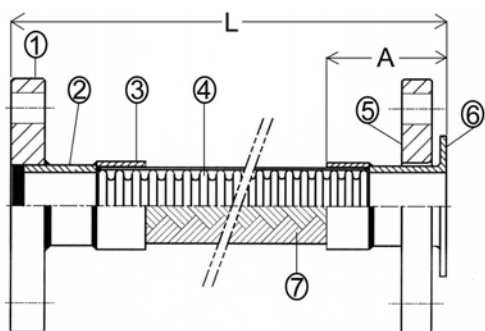


No.	Part	Material
1	Fixed Flange	SS400, SUS304
2	Short Pipe	SUS304, SGP
3	Collar	SUS304
4	Flexible Tube	SUS304
5	Loosed Flange	SS400, SUS304
6	Lap Joint	SUS304, SGP
7	Wire Braid	SUS304

Max Working Temperature : 250°C

Nominal Diameter A (B)	Min. Bending Radius Radius (mm)	Max. Working Pressure MPa {kgf/cm ² }		Overall Length			Test Pressure MPa {kgf/cm ² }	Bursting Pressure MPa {kgf/cm ² }	Ineffective Length A x 2 (mm)
				300mm	400mm	500mm			
		1-Braid	2-Braid	Eccentric (mm)					
25 (1)	240	1.47 {15}	2.94 {30}	± 23	± 46	± 66	2.2 {22.5}	5.88 {60}	140
32 (1.1/4)	300	1.47 {15}	2.94 {30}	21	47	65	2.2 {22.5}	5.88 {60}	140
40 (1.1/2)	360	1.47 {15}	2.94 {30}	17	44	62	2.2 {22.5}	5.88 {60}	140
50 (2)	450	0.98 {10}	1.96 {20}	14	37	62	1.47 {15}	3.92 {40}	140
65 (2.1/2)	490	0.98 {10}	1.96 {20}	13	34	61	1.47 {15}	3.92 {40}	140
80 (3)	600	0.98 {10}	1.96 {20}	10	28	53	1.47 {15}	3.92 {40}	140
100 (4)	800	0.98 {10}	1.96 {20}	5	16	37	1.47 {15}	3.92 {40}	150
125 (5)	1100	0.98 {10}	1.96 {20}	-	12	26	1.47 {15}	3.92 {40}	150
150 (6)	1600	0.98 {10}	1.96 {20}	-	8	16	1.47 {15}	3.92 {40}	150
200 (8)	1900	0.98 {10}	1.96 {20}	-	3	14	1.47 {15}	3.92 {40}	170

SF7800-316, SF7800-316L, SF7800-321 Flange Type Flexible Hose (Wire Braid Type)



No.	Part	Material		
		SF7800-316	SF7800-316L	SF7800-321
1	Fixed Flange	SS400, SUS304, SUS316		
2	Short Pipe	SS400, SUS304, SUS316		
3	Collar	SUS304		
4	Flexible Tube	SUS316	SUS316L	SUS321
5	Loosed Flange	SS400, SUS304, SUS316		
6	Lap Joint	SS400, SUS304, SUS316		
7	Wire Braid	SUS304		

Max Working Temperature : 250°C

Nominal Diameter A (B)	Min. Bending Radius (mm)	Max. Working Pressure MPa {kgf/cm ² }	Overall Length			Test Pressure MPa {kgf/cm ² }	Bursting Pressure MPa {kgf/cm ² }	Ineffective Length A x 2 (mm)
			300mm	400mm	500mm			
			Eccentric (mm)					
25 (1)	229	4.90 {50}	± 23	± 46	± 66	7.35 {75}	19.60 {200}	155
32 (1.1/4)	267	3.92 {40}	21	47	65	5.88 {60}	15.68 {160}	169
40 (1.1/2)	292	2.94 {30}	17	44	62	4.41 {45}	11.76 {120}	185
50 (2)	318	2.74 {28}	14	37	62	4.11 {42}	10.96 {112}	185
65 (2.1/2)	508	2.35 {24}	13	34	61	3.53 {36}	9.40 {96}	185
80 (3)	610	1.76 {18}	10	28	53	2.64 {27}	7.04 {72}	185
100 (4)	750	1.57 {16}	5	16	37	2.35 {24}	6.28 {64}	195
125 (5)	900	1.18 {12}	-	12	26	1.77 {18}	4.72 {48}	205
150 (6)	1050	0.98 {10}	-	8	16	1.47 {15}	3.92 {40}	205
200 (8)	1180	0.78 {8}	-	3	14	1.17 {12}	3.12 {32}	225

Applicable Fluid (for all models) : Oil, Water, Hot Water, Steam, Gas, Air, Chemicals, etc.