

Stainless Steel Corrugated Flexible Hoses & Hose Assemblies



GUJARAT HOSE PIPE

Gujarat Hose & Pipe Fittings Co.

Flexible Hose Manufacturing & Assemblies



SS304/SS316 Corrugated Flexible Metallic Hose

Corrugated Flexible Metal Hose Manufactured by Hydraulic Forming Annular Corrugations from two types of thin Gauge Butt Welded for Pressure Applications. One or Two Layers of Metallic Wire Braids are Applied Directly to the Hose having a Close Weave Braid at the Optimum Angle.

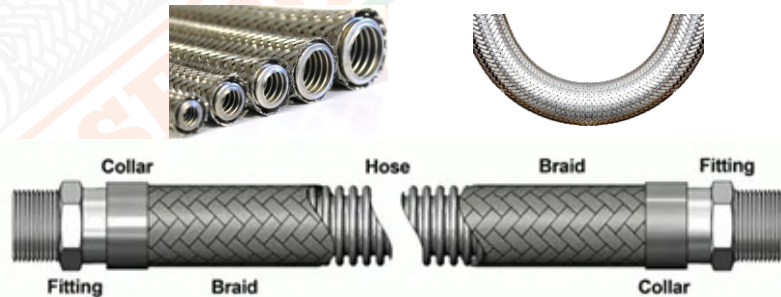
Hose Material : SS304/SS316

Braid Material : SS304/SS316

Size Range : ¼" to 12"

Temp. : 150 Deg. To 220 Deg.

Application : For High Pressure Applications Involving Vibration and Temperature also.



Nominal Size DN		Without Braid		Single Braid		Double Braid		Minimum Bend Radius	Minimum Bend Radius	
		Max. Working Pressure	Test Pressure	Max. Working Pressure	Test Pressure	Max. Working Pressure	Test Pressure		Type-1	Type-2
Inch	mm	Kg/cm2	Kg/cm2)	Kg/cm2	Kg/cm2)	Kg/cm2	Kg/cm2	mm	mm	mm
1/4	6	4	6	100	150	160	240	25	110	140
5/16	8	4	6	100	150	160	240	32	130	165
3/8	10	4	6	90	135	144	216	38	150	190
1/2	12	3	4.5	80	120	128	192	45	165	210
5/8	16	3	4.5	70	105	112	168	58	195	250
3/4	20	2	3	64	96	102	153	70	225	285
1	25	2	3	50	75	80	120	85	260	325
1.1/4	32	1.5	2.3	40	60	64	96	105	300	380
1.1/2	40	1.5	2.3	30	45	48	72	130	340	430
2	50	1	1.5	28	42	44	66	160	390	490
2.12	65	1	1.5	24	36	38	57	200	460	580
3	80	1	1.5	18	27	28	42	240	660	800
4	100	0.8	1.2	16	24	26	39	290	750	1000
5	125	0.6	0.9	12	18	20	30	350	1000	1250
6	150	0.6	0.9	10	15	16	24	400	1250	1550
8	200	0.5	0.75	8	12	12	18	520	1600	2000
10	250	0.25	0.36	6	9	9	14	620	2000	2500
12	300	0.20	0.30	4	6	6	9	720	2400	3000

Advantages of Flexible Metal Hoses :

- ◆ Suitable for wide temperature range (-270°C to 600°C-650°C)
- ◆ Compensates for thermal expansion contraction in the piping system
- ◆ High physical strength
- ◆ Fire resistant
- ◆ Moisture resistant
- ◆ Longer life
- ◆ Good corrosion characteristics
- ◆ Resistant to abrasion, penetration and damage
- ◆ Connects misaligned rigid piping absorbs or dampens vibration and similar equipment.
- ◆ A flexible and quick option for rigid piping in difficult locations.



Industries To be Used :

- ♦ Aerospace Industries
- ♦ Atomic Energy
- ♦ Boilers
- ♦ Chemical Industries
- ♦ Consultants
- ♦ Construction & Engineering
- ♦ Defence Industries
- ♦ Expansion Lines
- ♦ Fertiliser Industries
- ♦ Oil & Natural Gas
- ♦ Pulp & Paper Plant
- ♦ Petrochemical Industries
- ♦ Pharmaceutical Industries
- ♦ Refineries
- ♦ Shipping
- ♦ Steel Industries
- ♦ Textile Industries
- ♦ Thermal Power Station
- ♦ Lubrication Systems
- ♦ Nuclear Power Plant

PUMP CONNECTORS:

Stainless Steel Flexible Pump Connectors are designed for mechanical equipment to isolate vibration, relieve stresses, reduce noise, absorb small movements and to facilitate installation. Flexible pump connectors to use suppress vibration from pump, to absorb intermittent lateral movements in pipelines and to compensate for subsidence when pipelines cross building movement lines.



End Fittings:

- ♦ BSP/BSPT/NPT threads, Hexagonal Male fix type pipe threads
- ♦ Fixed Flange/Swivel Flange as per ANSI B16.5 150#/300#/ DIN PN 10/PN 16/PN 40

Note:

- ♦ Flexible pump connector are designed the test pressure is 1.5 times of the max. Working pressure.
- ♦ The burst pressure is 4 times of the working pressure. They are use for full vacuum and operating temperature of -200° C to +550° C.
- ♦ Flexible Pump Connectors are not suitable for absorbing AXIAL Movement.
- ♦ We are also manufacturing higher pressure Pump Connectors as per customer's specification.

Advantages of Flexible pump connector:

- ♦ Absorbs misalignment, vibration and sound.
- ♦ Withstands high pressure.
- ♦ Excellent corrosion-resistance. Excellent for use with moderate many solvents, chemicals, most oils and grease.



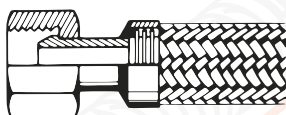
END CONNECTOR



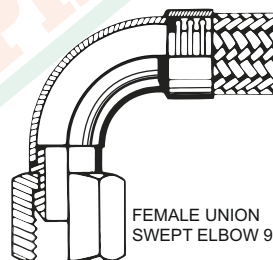
FIXED MALE CONNECTOR



FIXED FEMALE CONNECTOR



SWIVEL FEMALE UNION



FEMALE UNION
SWEEP ELBOW 90°



STAND PIPE



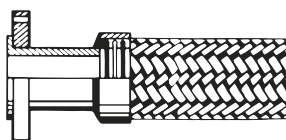
PIPE END



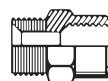
FIXED FLANGE



FIXED FLANGE ON PIPE END



SWIVEL FLANGE



MALE/FEMALE
THREADED ADAPTOR



MALE/FEMALE
THREADED ADAPTOR

TEFLON HOSE PRODUCTS

PTFE Corrugated Flexible Hose

Construction: Innercore of corrugated PTFE, externally reinforced with stainless steel wire braid of SS304/SS316

Temperature :

(- 54° C) to 204° C



Technical Details

Hose SIZE	Hose I.D. (Nom.)	Hose O.D (Nom)	Working Pressure	Min.Burst Pressure	Min. Bend Radius
(In.)	(mm)	(mm)	(Bar)	(Bar)	(mm)
1/4	6.60	10.4	175	700	20
5/16	8.18	12.4	160	640	20
3/8	9.65	13.7	120	480	20
1/2	12.83	18.4	110	440	25
5/8	16.00	21.0	100	400	50
3/4	19.18	25.9	80	320	65
7/8	22.23	29.7	60	240	80
1	25.53	33.8	55	220	90
1.1/4	31.88	42.7	45	180	110
1.1/2	38.23	48.0	35	140	150
2	50.93	61.5	25	100	200
2.1/2	63.50	85.0	17.5	70	250
3	76.00	89.0	16.3	65	310

Advantages :

P.T.F.E hose has an excellent temperature characteristics both in high and low temperature. Excellent chemical resistance, non contamination properties, low coefficient of friction and resists deterioration.

Applications :

- ◆ Automotive Industries,
- ◆ Chemical Industries,
- ◆ Pharmaceutical Industries,
- ◆ Food processing Industries,
- ◆ Plastic & rubber molding machines.

SMOOTH BORE MEDIUM PRESSURE PTFE HOSE

Construction: Smooth innercore of extruded white PTFE, with Stainless Steel wire braid reinforcement of SS304/SS316L

Temperature :

(-54°C) to 232°C (-65°F to 450°F) for continuous service.
(-73°C) to 260°C (-100°F to 500°F) for intermittent service.

Advantages :

PTFE is an ideal material for flexible hose, to which a wire over-braid is added for excellent pressure ratings. Such hose gives extremely long life because its inner core has out-standing resistance to steam, chemicals, solvents, heat pressure impulses, flexing, vibration and aging.

Applications :

- ♦ Automotive Industries,
- ♦ Chemical Industries,
- ♦ Pharmaceutical Industries,
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Hose SIZE	Hose I.D. (Nom.)	Hose O.D (Nom)	Working Pressure	Min.Burst Pressure	Min. Bend Radius
(In.)	(mm)	(mm)	(Bar)	(Bar)	(mm)
1/8	3.35	6.4	225	900	40
3/16	4.83	7.6	210	840	50
1/4	6.48	9.7	210	840	75
5/16	8.00	11.2	175	700	100
3/8	9.65	12.6	165	660	125
13/32	10.41	13.8	140	560	135
1/2	12.83	16.5	120	480	165
5/8	16.00	19.8	88	352	200
3/4	19.18	22.9	75	300	230
7/8	22.23	26.2	62	248	230
1	25.53	29.5	62	248	300
1.1/8	28.58	33.0	44	176	410

PTFE LINED HOSE

Description :

PTFE lined hose has the internal tube of PTFE inside the corrugated metallic hose. The flange is assembled with the internal tube providing a liner inside and across the face of the flange. Chemical inertness is therefore maintained throughout the entire assembly. PTFE lined hose assemblies permit full utilization of the wide operating extreme characteristics of PTFE and are rated for continuous service from (-70°C) to 240°C. These ratings can be exceeded for intermittent operations, depending on time and overall conditions.



We Provide Complete PTFE Lined Hose as per Below Specifications:

Hose Size: 1" to 8"
Hose Length: 300MM to 3 Mtr
Inner PTFE Thickness: 2MM to 4MM
End Connection:
Fixed Flange / Swivel Flange as per
ANSI B16.5 150#, 300#/DIN PN 10, PN 16, PN

PIGTAIL HOSE

Oxygen Hose Pipe or Pigtail Hose Pipe is used for medical purposes, nitrogen gas, Oxygen Gas. These hoses have different end connections as per client use

Core: Sintered Tube of polytetrafluoroethylene (PTFE).

WORKING PRESSURE : 180 To 350 BAR

Reinforcement: Single/Double Braid of SS304 series of stainless steel wire.

Length : 1 MTR To As per Client Requirement

End Connection : 1/4" BSP female swivel nut , 1/4" BSP fix female nut and NPT female and MOC ss 304 and SS 316 etc.

Applications: it is used for transfer medical oxygen , nitrogen and also used in pharma and chemical industries etc.



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Hydraulic Hoses Fittings

Ferrules



American hose fittings



Matric hose fittings



Jis fittings



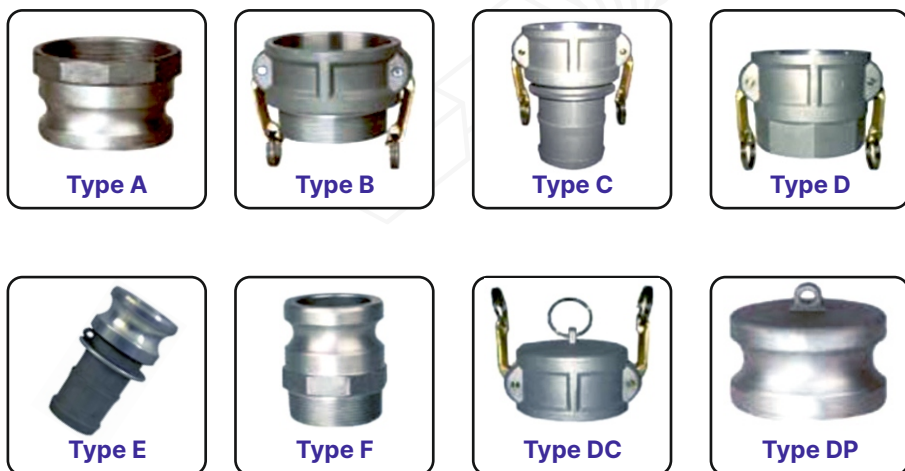
Adappter



Hydraulic Quick Coupler



Camlock Coupling





Gujarat Hose & Pipe Fittings Co.

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