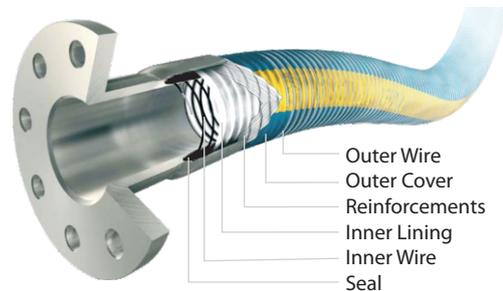


Composite Hoses

Standard: EN 13765 and BS 5842

Composite hoses are customized hoses designed for a particular application as per clients needs. The construction of this hose is with an inner and outer wire helix that holds various multiple plies of composite material such as polypropylene, PTFE etc and externally covered with polyvinyl chloride woven polyethylene tetraphthalate polyester fabric with spiral spring to prevent collapse.



Features:

1. Size range – 1 inch to 12 inch ID.
2. Temperature Range : -45 Deg C to 150 Deg C
3. Covers a large range of service application from:
 - Oil – Crude, lube oil, white oil, black oil and edible oil.
 - Chemicals including HCL, sulphuric acid, acetic acid, phosphoric acid, ethyl mercapton, caustic and all other A B C class chemicals.
 - Cryogenics such as LPG, ammonia and EDC.
4. Single continuous length upto 24 meters without welding.
5. No rubber or welding in the hoses; hence no chances of cracking, aging or kinking.
6. Extremely light weight.
7. Composite hoses are resistant to salty sea water and perfect for rugged offshore and onshore application.

8 inch Hose Comparison			
Comparison Factors	Composite Hoses	Rubber Hoses	SS Hoses
Weight/Meter (Kg)	15	75	18
Bend Radius (Inch)	29	80	42
Ageing Failure	No	Yes	No
Fatigue Failure	No	No	Yes
Bulging	No	Yes	No
End Fittings	Swaged	Built In	Welded
Worst			





Application Areas

- Ship to Shore and Ship to Ship Cargo Transfer.
- Truck and Rail loading and unloading.
- In plant transfer.
- Lube plant manifold and drum filling.
- Tank cleaning.



Bore Diameter		Max. Working Pressure		Bend Radius		Weight	
INCH	MM	BARS	PSI	INCH	MM	KG/M	LB/FT
1	25	14	200	4.0	100	0.8	0.5
1.5	38	14	200	5.5	140	1.2	0.8
2	50	14	200	7.0	180	1.9	1.3
2.5	65	14	200	8.0	205	2.5	1.7
3	75	14	200	11	280	3.0	2.0
4	100	14	200	15.5	385	5.2	3.5
Heavy Duty							
4	100	14	200	16.0	405	6.4	4.3
6	150	14	200	20.0	510	10.7	7.2
8	200	14	200	30.0	760	15	10.0
10	250	14	200	36.0	915	20.5	13.7

