Composite Hose Cryoflex® 50

Applications

This type is recommended for the safe transfer of fully refrigerated conveyants down to -50°C (58°F) in road and railroad, in plant and ship to shore applications including the following:

Ammonia	Butane	Ethylchloride	Propadie,
Acetaldehyde	Butylene	Methylacetylene	Propylene
Butadiene	Dimethylamine	Methylbromide	Vinyl-Chloride
Butane/Propane	Ethylamine	Propane	

Also suitable for:

Liquid Ethylene at -105°C (-157°F)
Liquid Ethane at - 88°C (-126°F)

Technical description

Lining:	Polyamide
Inner wire:	Stainless Steel 316
Outer wire:	Stainless Steel 316
Cover:	Polyamide, White temperature range: -50°C to +50°C Electrical
Properties:	Electrically conductive
According standard:	EN13766:2010, IGC Code

Physical properties

Maximum elongation:	10% on test
pressure Vacuum range:	0,9 bar

End fittings

Specially designed end fittings have been developed for use with Amnitec composite hoses, including threaded ends, flanged ends and other connections. By means of a hydraulic operated press, a ferrule is externally swaged onto the hose to secure the hose shank and guarantee a leak proof connection between hose and fitting. All ferrules are welded to the end fitting before swaging for even safer operating conditions.

TECHNICAL DATA: TYPE CRYOFLEX® 50									
Inside Diameter		Working Pressure		Min. Bend Radius		Approx Weight		Maximum Length	
Inches	mm	PSI	Bar	Inches	mm	lb/ft	kg/m	Feet	Meters
1	25	350	25	6	150	0.60	1.20	65	20
1½	38	350	25	7	175	1.10	1.50	65	20
2	50	350	25	7½	185	1.55	2.30	65	20
2½	65	350	25	9½	240	2.15	3.20	65	20
3	80	350	25	11	280	2.95	4.40	65	20
4	100	300	21	20	500	4.95	7.30	65	20
5	125	300	21	24	610	7.75	11.50	65	20
6	150	300	21	26	660	9.45	14.00	79	24
8	200	200	14	37	940	12.75	18.90	65	20
10	250	150	10	75	1905	15.00	23.00	50	15

Pressure based on safety factor 5:1