

DOLPHINFLEX LNG STS COMPOSITE HOSE

Dolphinflex-LNG STS

APPLICATION

This high quality Dolphinflex® LNG STS hoses are used for liquid Nitrogen and LNG liquefied natural gases and specially designed for LNG Ship to ship transfer purpose.

- LNG ship to ship transfer
- LNG Bunkering



CONSTRUCTION

Inner wire	Stainless steel 316
Outer cover	Polyamide White color
Lining	Polyamide fabrics
Outer wire	Stainless steel 316



CHARACTERISTIC

Max. elongation	10% on proof pressure
Min. burst pressure	5x working pressure (Safety factor 5:1)
Temperature range	-196 °C to +50 °C
Electrical resistance	≤ 2.5 Ohm/m for under 50mm (2") ≤ 1.0 Ohm/m for over 50mm (2")

REGULATION

EN1474-2 : 2008 (Installation and equipment for liquefied natural gas. Design and testing of marine transfer systems. Design and testing of transfer hoses)

SPECIFICATION

BORE DIAMETER		MAX. WORKING PRESSURE		BEND RADIUS		MAX. WEIGHT		MAX. LENGTH	
INCH	MM	BAR	PSI	INCH	MM	KG/M	LBS/FT	M	FT
1	25	10.5	150	5.9	150	0.9	0.6	21	69
1.5	40	10.5	150	7.9	200	1.5	1	21	69
2	50	10.5	150	7.9	200	2.3	1.53	25	82
2.5	65	10.5	150	7.9	200	4	2.67	25	82
3	80	10.5	150	10	250	5.4	3.6	30	98
4	100	10.5	150	20	500	6.7	4.47	30	98
5	125	10.5	150	22	550	10	6.67	30	98
6	150	10.5	150	26	660	15	10	30	98
8	200	10.5	150	36	910	20.1	13.4	30	98
10	250	10.5	150	59	1500	30.4	20.27	25	82
12	300	10.5	150	100	2500	35.4	23.6	15	49



DOLPHINFLEX I.G. FILLING HOSE

APPLICATION

Dolphinflex® - I.G. Filling hoses are manufactured for universal application such as Inert gas filling and Cargo dome spool station line and Warm and hot supply, Vacuum cleaners, Deck fan system and Cargo eductor system, IGG(Inert gas generator).



CONSTRUCTION

Wall made of abrasion, microbes and hydrolysis resistant Premium Polyurethane(wall thickness between the spirals ca.1.5mm), Shore A ~85, PVC coated spring steel spiral-embedded into wall.



CHARACTERISTIC

Temperature range	-40 °C to +90 °C
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SPECIFICATION

BORE DIAMETER		MAX. WORKING PRESSURE		BEND RADIUS		MAX. WEIGHT		MAX. LENGTH	
INCH	MM	BAR	PSI	INCH	MM	KG/M	LBS/FT	M	FT
8	200	0.4	5.8	9.9	252	3.0	6.6	12	39
10	250	0.4	5.8	12.2	312	3.8	8.3	12	39
12	300	0.4	5.8	14.6	372	4.5	9.9	12	39

