

DOLPHINFLEX LNG STS COMPOSITE HOSE

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-LNG STS



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



DOLPHINFLEX HOSE REEL

APPLICATION

Dolphinflex® - Hose reel is designed to transfer fluid and hose storage (Air/Water/Oil, Gas etc.) for special ship, drilling-rig, drill ship, land plant, and so on.

We can manufacture and supply it to match your situation : marine, offshore, onshore.

TYPE

- 1) Manual type
- 2) Auto type
- 3) Motor driven type

SPECIFICATION

- 1) Air motor type
- 2) Hydraulic motor type
- 3) Electric motor type



HOSE REEL



DOLPHINFLEX OTHER ITEM

HOSE SUPPOTER

All the Dolphinflex hoses are required to be handled with proper support to protect hose from kinking and prolong its life.

Hose supporter is a polyurethane saddle, designed to suspend hoses. It is designed to accommodate the manufacturer's minimum bending radius.

MATERIAL	POLYURETHANE
HOSE DIAMETER	3" - 12"



HOSE SLING

Dolphinflex hose slings are designed for the cargo hose and should be used in the rated hitch only. A sling must be equipped in every 4 metre on the hose.

The hose slings support the hose properly, eliminating kinking and other damage. The hose slings are consisted of 100% nylon.



SKID

Dolphinflex skid prevents the damage when moving and storage. It is required to be place in every 1.5 metre

MATERIAL	CARBON STEEL
COLOUR	GREY
WITH 4 x CASTER WHEELS	

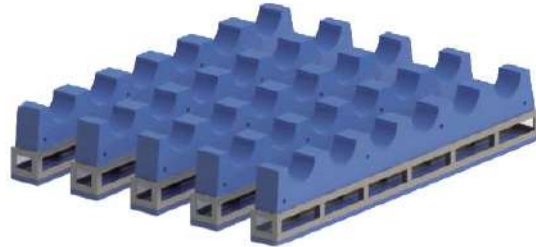


DOLPHINFLEX OTHER ITEM

STORAGE RACK

Dolphinflex storage rack is to shore the composite hose on the deck. It is required to be placed in every 1.5 meter.

MATERIAL	MC NYLON, CARBON STEEL
SIZE	3000*300*600 (APPROX.)



INSULATING FLANGE

A different principle of an insulating joint is to use a spool of insulating material bolted between two flanges.

MATERIAL	CAST NYLON, MACHINED
MELTING POINT	220°C / 428°F
ELECT. RESISTIVITY	10 Ohm/cm
DIAMETER	3" - 12"



INSULATION KIT

A different principle of an insulating joint is to use a spool of insulating material bolted between two flanges.

INSULATION GASKET	TEFLON
BOLT & NUT	STAINLESS STEEL 316
SLEEVE	TEFLON
WASHER	TEFLON

