Hose Loading Station

Want to increase the safety of your people and the lifetime of your equipment?

Loading of fluids and dry bulk materials between supply vessels and fixed or floating production or drilling units are necessary to maintain continuous operations. The main function of the Hose Loading Station (HLS) is to store the loading hoses and contribute to more controlled and safer operations.

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Key Design Data and Specifications — Hose Loading Station

Model		1 reel	5 reels	8 reels	9 reels	10 reels	11 reels
Weight	(kg)	3400	13400	20000	22000	24000	26000
Dimension	(L x W x H meter)	2.3 x 3.5 x 3.6	8.7 x 3.5 x 4	12 x 3.5 x 4	13.6 x 3.5 x 4	14.2 x 3.5 x 4	15.6 x 3.5 x 4
Power Consumption	(kW)	12.7	12.7	12.7	12.7	12.7	12.7

Note: This table shows the most standard variation of reels, the HLS can be supplied in a variety of configurations.
Length: up to 120 meter
Hose sizes: 1½, 2, 2½, 3, 4, 5 and 6 inches

Specifications

Designed for:

- Jack-ups
- Semi-submersibles
- Drill ships
- FPSOs
- Fixed platforms

HLS is comprised of:

- Skid frame with reel foundation, reels and platforms
- Hydraulic Power Unit
- Loading hoses

Environmental Conditions

- Outdoor, Salty and Corrosive
- Operation temperature should be set a maximum of 50˚C
- Standard Marine or any Ex/ATEX zone

Optimal Design Data

- Weak-link ensures a controlled brake of the hose assembly
- Low-friction anti twist swivel for loading hoses
- Permanent swivel connection for liquid mediums
- Flexible hose for dry-bulk connection
- Floating section

Options

- Floating Hoses
- Hose Parts of Non Corrosive Material
- Hose Reels of AISI 316
- Safety Cage
- Lifting Equipment
- All electric drive*

* All Electric Drive

- All hydraulics will be replaced by electronics
- Each hose reel will be driven by an electrical motor with fail safe multi-disc brakes
- Motors are controlled by Variable Frequency Drive (VFD)
- VFD will replace the HPU
- Operation with radio remote control

Key Features

- Designed for safe and easy hose handling operations
- Increase lifetime of the loading hoses
- Reduced life cycle costs of hoses
- Easy assembly
- Reliability
- Easy and reduced maintenance
- Reduced risk for spillage
- Global aftermarket organization

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