

LAMOR MEDIUM SIZED OIL RECOVERY SKIMMER SYSTEM



GENERAL DESCRIPTION

The Lamor 20m³/h Skimmer System is a light weight, easy to use and selective oil recovery system that can be used both as a weir skimmer or as a brush skimmer and these combined with the Lamor GTA pump giving a capability of recovering a very wide range of oils from light to heavy, including low sulphur oil with a minimal water content in recovered oil. The system is hydraulically operated and fully autonomous powered by a diesel hydraulic powerpack equipped with a radio remote control.

MAIN COMPONENTS:

NOTE! Container to be secured to deck by container locks or lashing.



- Weir Skimmer LWS 500
- Brush Adaptor LBA 500
- PDAS GTA 30 Pump with 4" Outlet
- 40m (20+20m) Umbilical Hose Package on Reel
- LPP 19 Powerpack with Radio Remote
- ISO standard 10 ft Container

KEY CHARACTERISTICS AND OPERATIONS

- The LWS with LBA and GTA system is a versatile oil recovery skimmer and is ideal for oil recovery operations nearshore and in open sea conditions.
- Accreditation from Bureau Veritas confirming the recovery capacities with oils of varying viscosities from light to heavy.
- The free water content in collected oil is as low as 2%.
- The system offered is fully autonomous and operated from a durable radio remote control with waist belt.
- The hose package is bundled into a single wrap with floats making handling easy. Hose is stored and deployed from a manual hose reel.
- The system is suitable to be used in various boom configurations at open sea but also in near shore operations.
- The system is simple to put in operating conditions by 2 persons without need of tools and without any pre-fitting required. The 10ft container need to be secured to deck when at sea.
- The skimmer has a single point lifting eye from where it is lifted using a crane with at least 200kg safe workload at reach required to get the skimmer into the water.
- Skimmer dimension assembled are 2,5 x 2,5m and maximum weight 200kg.
- Space required for the container is 4,5 x 4m and additionally deployment area requires 2,5 x 3,2m free space.

TECHNICAL SPECIFICATIONS

- Maximum oil recovery capacity of the system, 20 m³/h at 10 bar outlet pressure with highly viscous oil.
- The main material of skimmer system is marine grade aluminum, stainless steel lifting arm and durable high density polypropylene floats giving is a low weight (126kg) for the skimmer unit.
- The system is equipped with Acid Proof 316 stainless steel hydraulic quick connectors
- The system, including the powerpack, is suitable for operation in air temperatures from -20°C up to +50°C and for skimmer system, in water temperature down to 0°C with a salinity between 0 to 4.1‰
- Lamor LPP 19 Powerpack has two hydraulic pressure compensated bi-directional valves and fitted with a durable radio remote control with 100-300m range and an 8-10h operation with one battery.
- The LPP 19 complies with Directive 97/68/EC class EU Stage V, Directive 2000/14/EC (Stage II), Directive 2006/42/EC”).
- The LPP 19 is further equipped with fuel oil low level alarm and safety shutdown, hydraulic oil low level alarm and safety shutdown, overheating alarm and safety shutdown, running hours counter indicator and can run continuously at maximum working load for at least 3 hours without stopping for re-fuel or overheating.
- Surface treatment according to corrosion category C4-h ISO 12944 (Marine)



STORAGE AND TRANSPORT

- The complete system is stored in its own 10' container with the dimensions of a standard ISO container.
- System can be stored in -20°C to + 50°C.
- Gross weight 3100 kg