

Sweep Skimmer complete w. Red Can Assy MOS 25 - 397441



The Lamor and Egersund Group Sweeper system MOS 25 is a result of a successful development project in close cooperation with NOFO. The MOS 25 is a smart, innovative and active oil spill recovery system with unique functionality to operate in waves up to three meters and towing speed of 4.5 knots.

The MOS 25 is a multi-barrier system consisting of deflectors in a herringbone pattern for concentrating the oil in the water and its design elegantly leads the oil spill back through the system to skimmer and pump which separate the oil from the water. Water flow is reduced by the bottom net, which increases oil concentration before reaching the inlet of the skimmer.

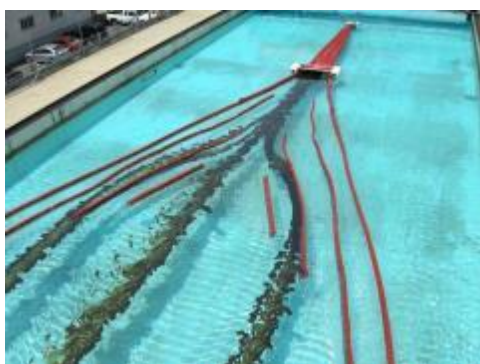
The MOS can be operated from supply- or offshore supply vessels, fishing vessels, coast guard vessels and stand-by vessels. It is deployed and ready to use in less than 30 min, which ensures a fast response during an emergency.

The system has a unique maneuverability compared to other conventional booms, and is very cost effective vs towing with two boats.

The MOS Sweeper technology consists of many well-tested principles from maritime industries. The MOS Sweeper has proven its strong capabilities in harsh weather with high waves and strong currents.

The MOS Sweeper is a complete single vessel oil containment and recovery system, which can chase, collect, skim and pump oil during operation from the ocean back to the towing vessel. This is achieved by an OPTIONAL brush skimmer and pump in the rear end of the sweeper system. There are several pump options such as 1 x Lamor PDAS GTA 115 pump or 1 x Lamor PDAS GTA 140 pump. Twin pump features are also available.

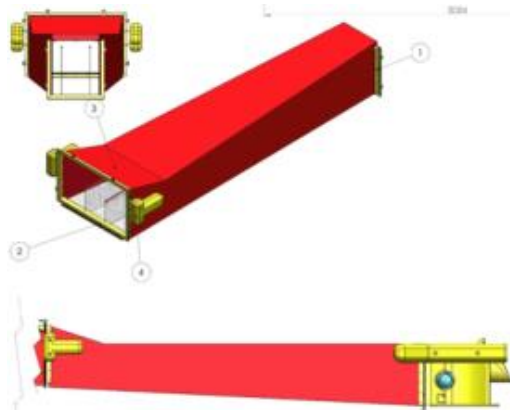
The MOS 25 sweeping width is 25 m and skimming speed up to 4.5 knots. The length of the V-sweep arrangement is ca. 60 meters. The ParaVane system offered as OPTION allows the sweeping operation by using a single vessel.



The Oil slick is recovered by the MOS Sweeper. By nature, the hydrodynamic currents caused by the MOS Sweeper design elegantly leads the oil spill back through the system.

Flow Reduction Channel (Red Can) included in basic MOS 25 Skimmer setup:

The Red Can Flow Reduction channel concentrates the contained oil slick to the inlet of the Lamor MOS 25 Skimmer or Optional Collector Pool connected to the outlet of the Red Can. A debris screen is installed on the inlet to the channel. The standard length of the Red Can 25 is ca. 5 m (16.4 ft) enabling the speed of oil entering the Skimmer and/or Collector Pool reduce down to ca. 1 kn from the sweeping speed of ca. 4 kn. The opening width of the reduction channel is ca. 2 m (6.6 ft). Channel dimensions are ca. 1,3 m x ca. 1,3 m (4.3 x 4.3 ft).



TECHNICAL SPECIFICATIONS MOS 25

Sweeping width	25 m	82 ft
Length	50 m	164 ft
Weight	1400 kg	3,090 lbs
Skimming speed	2,3 m/s	4.5 kn
Oil Encounter Rate (in 1 mm (3/64") Oil Layer)	208 m³/h	916 gpm
Wave heights	0...3 m	0...10 ft

FEATURES AND BENEFITS OF THE MOS SWEEPER SYSTEM

- MOS Sweeper 25 for Nearshore and Offshore use with integrated skimmer and/or pumping system.
Sweep width: 25 m (82 ft)
- Pump capacity: 115 - 280 m³/h (506 – 1,233 gpm)
- Single vessel operation
- Towing speed: up to 4.5 knots
- Wave heights: 0 - 3 m

Benefits

- Unique single vessel oil spill recovery system
- High speed and cost efficient oil spill recovery system

PRODUCT CONFIGURATIONS / OPTIONS

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| • Paravane 25/50 | ID# 398410 |
| • Collector Pool MOS 25 | ID# 398411 |
| • Air Inflator for the Collector Pool | ID# 216808 |
| • Skimmer/Pump System | Several Optional Alternatives |
| • Hydraulic Power Supply Unit | According to the Skimmer/Pump hydraulic requirements |
| • Boom Reel H 2240 for MOS 25 | ID# 398211 (w. Aluminum Spool) or |
| • Boom Reel U 2340 for MOS 25 | ID# 398366 (w. Steel Spool) |
| • Hydraulic and Oil Transfer Hoses | ca. 70 m (ca. 230 ft) |
| • 2x20 or 1x40 ft Container for Storage | (please note: the reel does not fit in a standard ISO container) |