

## 01D Skimmers - Machine operated

### Brush Skimmer Oil Recovery Bucket LRB 150 W - 287923



The Oil Recovery Bucket LRB 150 W is ideal for pit cleaning and oil recovery operations on land, offshore and in Arctic conditions. The LRB is based on the proven Lamor stiff-brush wheel technology and it automatically separates oils, emulsions and oily debris from sea water or soils.

The LRB is deployed in a stationary position in skimming operations from a e.g. vessel crane, dredging machine or excavator. The LRB system combines the efficient oil recovery function of the brush wheel skimmer with the scraping and digging functions of an excavator scoop. The LRB 150 is winterized with heated hopper, scraper and hot water injection.

The LRB system is unaffected by the floating debris and free water content in recovered oil is less than 2 %. The brush wheel can be lifted with the bucket to scoop and empty heavy oil sludge and other solid materials e.g. ice particles in offshore operations.

The LRB can be deployed rapidly and operated by a single operator. When the system is not in use, it is stored in its own storage cradle that can be used as a washing basin for cleaning the LRB. The LRB 150 W is capacity certified by Bureau Veritas and tested at Ohmsett for Arctic conditions.



#### LRB system requirements:

- OPTIONAL Positive displacement GTA Archimedes screw type pump GTA 50 (or GTA 70, 115 or 140)
- Hydraulic outlets at the end of the crane arm, hydraulic flow 180 l/min (48 gpm), hydraulic pressure 210 bar (3045 psi) for the skimmer and pump
- Maximum pressure on hydraulic return line 10 bar (145 psi)
- Load sensing line at the crane arm end
- Drain line at the crane arm end
- Electric supply 24 VDC

The hydraulic control panel for the LRB functions is included in with the system. The control panel is installed in the excavator cabin unit or operated from the vessel deck.

#### Options (not included in standard scope of supply):

- For knuckle boom crane - Tilt Arm ID 282303
- For excavator – NTP10 ID 289596
- For knuckle boom crane and excavator – Rototilt ID 384109 Adapter ID 282120
- Remote control for EX Zone 1

## TECHNICAL SPECIFICATIONS

Length	1740 mm	68,5 in
Width	1800 mm	71 in
Height	1180 mm	46,5 in
Weight	650 kg	1430 lbs
Certified capacity	115 m <sup>3</sup> /h*	506 gpm*
Free water content	< 2%	
Hydraulic flow	30 l/min**	8 gpm**
Hydraulic pressure	210 bar	3045 psi
Power	11 kW	15 hp

## BENEFITS

- High oil recovery capacity
- Recovery of light to heavy oils and bitumen
- Not affected by debris
- Pump feeding transfer screw
- Robust steel construction
- Usage on land, offshore and Arctic conditions
- Winterized for Arctic operations
- Certified recovery capacity
- Single operator

\* Capacity related to pump selection, certified ASTM at 200.000 cSt

\*\* Skimmer only