



RO-VAC MKIII - The new generation of vacuum recovery system for oils and other liquids

PROVEN OIL SPILL TECHNOLOGY

RO-VAC MKIII - A powerful vacuum recovery system for oils and other liquids

The RO-VAC MKIII is a successor to the popular RO-VAC MKII. The new machine uses an even more powerful driver and hydraulic pump drive for the removal of liquids and oils floating on water, on the ground or beach. The whole system is designed to be very versatile at a lower cost than conventional vacuum trucks.

The vacuum pump can generate up to 95% vacuum although factory set at 85%. It can handle air flow up to 6,800 litre per minute / 240 cubic feet per minute. It is driven by an electric start diesel engine all mounted in a fully galvanised frame. The RO-VAC MKIII is normally supplied with large diameter wheels and retractable tow bar for road and off-road towing, permitting access to many areas of operation including pipelines and beaches.

The RO-VAC MKIII incorporates a high-pressure, water pump for jetting contaminated surfaces. It is hydraulically activated by a PVG lever on the main frame. A trigger operated hand lance and chemical dosing educator with pick-up tube are included in the package.

The RO-VAC can generate low pressure in either an open top oil drum using a domed vacuum head or a wheeled tank - see RO-TANKER. Oil is drawn up into the tank or drum without passing through the vacuum pump.

Wheels can be removed for skid mount on board vessels.



Advantages of the RO-VAC MKIII

- High powered vacuum system for oils and other liquids
- Highly mobile and versatile, even off road and soft sand
- Choice of vacuum vessels - drum, hopper, tanker or skimmer/suction head
- Pressurized discharge of RO-TANKER
- High-pressure water pump for washing
- Removable wheels
- Fork lift channels
- Powerful 15kW Diesel drive
- Galvanised frame for longevity
- Additional PVGs available on request to run DESMI Rock Clean or similar equipment too.

TECHNICAL DATA

Weight:	710kg / 1,562 lbs (empty tanks), 765 kg / 1,683 lbs (full tanks)
Dimensions with wheels:	1.62 x 1.43 x 1.24 m / 64 x 56 x 49 in
Diesel engine:	Air-cooled, twin cylinder naturally aspirated, 4 stroke diesel engine, 15 kW / 20 hp at 3000 rpm. 12 volt electric start. Alternator 12V, 9A (3000 rpm)
Fuel tank:	21 litres / 5.5 US gallons
High pressure water pump:	Three cylinder, max pressure 150 bar / 2,175 psi, max output 14.7 litres per minute / 3.88 US gpm
Vacuum pump:	Air capacity 6,800 litres per min 240 ft ³ /min max vacuum 95%, four-blade rotor, change over valve, air-cooled.
Moisture trap:	Fitted with ball and drain valve.
Instrument:	Water pump pressure gauge.
Alarm lights:	Engine oil pressure & alternator
Audible alarm:	Key in start position
Vacuum vessel alternatives:	A) Domed vacuum head fitted with relief valve and gauge for oil drums. Supplied with 10 m / 32 ft suction & 10 m / 32 ft discharge hose plus aluminium hand tool. B) Recovery /discharge hopper for use with domed vacuum head in place of oil drums. C) RO-TANKER steel vacuum tank mounted on wheels for towing. Suitable for pressurized discharge. Supplied with 10 m / 32 ft suction & 10 m / 32 ft discharge hose plus aluminium hand tool.