



DOP-250 DUAL - Skimmer and offloading pump

PROVEN OIL SPILL TECHNOLOGY

DOP-250 DUAL - Skimmer and offloading pump

The model of Offloading Pump is called the DOP-250 DUAL. It is based on the internationally proven DOP-160 and DOP-200 DUAL pumps.

The lightweight and powerful DESMI DOP-250 DUAL offers the pumping performance of the DESMI Ro-Clean vertical screw design and incorporates new features to improve versatility and ease of maintenance. The pump can be configured for use in Skimmer Mode with a side (horizontal) discharge. This provides an unobstructed flow into the pump inlet, yet allows the TERMINATOR skimmer to operate in shallow water. In Transfer Pump Mode, the discharge can be on the side or end (in-line) for maximum operational flexibility.

The DOP-250 DUAL is available with a variety of systems to make the most of the pumps' capabilities. When fitted in the TERMINATOR skimmer it can be easily dismantled and converted for offloading applications. The DOP-250 DUAL features a single piece cast pump casing and stainless steel wear plates to protect the plate wheel cover. The new housing design allows the pump screw and sealing ring to be withdrawn from the end of the pump for inspection. The discharge branch location can be changed quickly and easily using hand tools.



Advantages of DOP:

- The discharge coupling can be placed in different locations - either for skimming (top entry / horizontal discharge) or offloading (bottom entry / vertical discharge)
- Simple maintenance with better access to sectional discs and sealing ring
- Single piece cast pump housing
- Replaceable stainless steel wear plates to protect pump casing
- Cutting knife for processing debris
- High capacity and high discharge pressure
- Positive displacement vertical screw design
- Optional annular water injection flange to aid in pumping extremely high viscosity oil

Technical data

The DOP-250 DUAL is very versatile and can be used in a wide variety of applications - such as emergency response, offloading, fire fighting or contract cleaning work. It is capable of pumping a wide variety of liquids from water to highly viscous mud and sludge - even when contaminated with trash. It is capable of pumping in excess of 125 cubic metres per hour (440 US gallons per minute). The DOP-250 DUAL provides high performance and compact dimensions. The DOP-250 DUAL is capable of handling solids up to 50 mm / 2" diameter. A cutting knife is fitted to the leading edge of the screw.

| | DOP-250 DUAL |
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| Dimensions | 0.55 x 0.37 x 0.74 m / 21 x 14.5 x 29 in |
| Max. pump rate | 100/125 m ³ per hour depending on hydraulic motor used |
| Max. discharge pressure | 10 bar / 145 psi |
| Viscosity range | The DESMI DOP-250 DUAL pump can handle most oil that will flow |
| Weight | 80 kg / 176 lbs |
| Minimum manhole dia. | 600 mm / 24 in |
| Pump Inlet | Ø 250 mm / 10 in (screw diameter) |
| Pump Outlet | 5 in flange for bolt on discharge flange |
| Discharge connection | 4, 5 or 6 in Camlock type or other on request. DIN and ANSI flanges available. |
| Standard Materials | Seawater resistant aluminium casing, high tensile plate wheel, High Alloy Steel Screw. |
| Hydraulic Motor | Sauer Danfoss OMTS-200 (standard). Hi-speed version OMTS-160 |
| Max. hydraulic requirement | Flow: 160 L/min. (42 US gpm) Pressure: 210 bar (3,050 psi) |
| Hydraulic connections | Pressure and return: ¾ in or 1 in Drain: 3/8 in |
| Hose set | 10, 20, 30 or 40m hydraulic and discharge hoses with quick couplings |
| Hose reel | Optional |

Recommended diesel-hydraulic power unit: 50kw or 42 kW

For more information on Oil Spill Response systems, please visit www.desmi.com

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