

These machines are extremely versatile and flexible, and can be used in many applications, including through small access holes, hanging from vessels, or in dangerous conditions (Special models).

The smaller models of this skimmer are extremely portable and can easily be carried to site by 2 people.



DOP PUMPS & INJECTION FLANGES

DOP-250 DUAL, DOP-200 DUAL & DOP-160. Available in skimming or off-loading versions the 3 sizes of pumps have the ability to pump a wide range of oils, or oil and water mixtures, with a discharge pressure up to 10 bar/147 psi. The hydraulically driven stainless steel screw rotates inside a lightweight aluminum housing.

All DOP pumps contain cutting knives to prevent any debris being trapped in the pump and these, combined with a pressure lubricated screw bearing, greatly increase the reliability of the pump. DESMI manufactures an extensive range of pumps including centrifugal, internal gear and vertical screw. The DESMI screw pump was introduced over 25 years ago and has subsequently been developed and improved to become the most widely used viscous oil pump in the oil spill response industry today.

Over 2,000 submersible screw DOP pumps have been supplied to more than 100 countries around the world.

DESMI conducted extensive bitumen pumping tests in house. All the testing showed that a relatively small amount (3-6%) of water injected into the pump discharge line with an injection flange or camlock forms a thin layer surrounding the column of oil that is traveling through the hose.

A system comprising of an injection flange and high-pressure water pump was developed and tested over a two year period. The resulting system means that heavy oils can be pumped further and higher. We also offer a steam version of the above for even greater pumping distances with higher viscosities. Pressures of up to 13 bar available with the DOP200.



BARGE PUMP-OFF UNIT (BPU)

DESMI have developed a range of BARGE & BILGE PUMP-OFF UNITS to safely, quickly and efficiently empty storage barges regardless of content. The BPU's satisfy a range of flows and barge tank depths using the famous DOP, positive displacement pumps.

The BPU 250 is an all-aluminum and stainless steel permanent mount barge pumping system.

The system can be designed to any hatch diameter and depth due to a proprietary design which places the pump at the bottom of the tank, taking full advantage of the DOP pump's impressive flow and discharge head to evacuate the fluids, regardless of viscosity.



POWER PACKS

DESMI offer a comprehensive range (3.1kW to 210kW) of diesel and electrically driven multipurpose hydraulic power packs and hydraulic power units for operating all hydraulically powered equipment, but specifically our oil spill control equipment such as boom reels, skimmers and pumps. Many of these power packs are offered with two or more hydraulic circuits for operating a range of equipment.

Our oil spill products have been adapted to work with these power packs, thus reducing the number of single function power packs to an absolute minimum. Also available as options are remote control units, wheels, forklift channels, cranes, built-in pumps, or most other specifications to meet the customer's requirements.

