Equipment for Offshore Supply Vessels (OSVs)

Including Platform, Anchor Handling, Multi-Purpose & Emergency Response Vessels
PROVEN TECHNOLOGY

Helicopter Refuelling Systems

OptiSave™ Operational Efficiency on Pumps

Legend: Aerial view of the MPSV Bourbon Evolution 802, multi-purpose supply vessel in South China Sea during its transit to Singapore in November 2012. © BOURBON
DESMI is a solution provider in the field of pumps, oil spill response equipment, ballast water treatment and refuelling systems to the builders, owners and operators of OSVs and similar vessels.

Dealing with DESMI brings many benefits. Aside the 180 years operational experience, making us the most experienced manufacturer in class, we can advise, consult and offer expertise (ACE) at the design stage on every aspect of the ship borne pumping systems and any requirement for oil spill response equipment. We also support on refuelling systems and the all important ballast water treatments.

As a manufacturer, DESMI is renowned worldwide for their proven technology which performs with reliability, efficiency and very low life cycle costs.

We can also help with installation, commissioning, training and maintenance providing a truly 360 degree integrated approach and all from one supplier.

As the challenges of your supply vessels increase and their operations profile is expanded in this competitive market, DESMI is positioned to take the stress out of your pump and oil spill response requirements.
DESMI pumps are designed for the special vessel requirements in regard to low maintenance costs, high efficiency, low NPSH (Net Positive Suction Head) and configuration flexibility.

DESMI pumps are used in every application, for example as lubrication cooling, ballast, cargo, fire, and bilge pumps for fresh water as well as seawater. The pumps are available with capacities up to 4000 m³/h / 17611 gpm and delivery heads up to 220 mWC / 722 ftWC.

Our pumps can be delivered on your special request and if necessary within 48 working hours to reduce maintenance and down-time.

The DESMI pump range includes centrifugal pumps, self-priming pumps and internal gear pumps for viscous liquids.
The DESMI Ocean Guard ballast water treatment systems are designed to ensure compliance with the IMO and US Coast Guard requirements. This means the systems have been approved for use in all water salinities and in extremely challenging water conditions. In addition the systems are fully automatic with flexible configurations and easy integration. The power consumption is just 20 kW per 300 m³/h / 1321 gpm and the UV lamp lifetime is 12,000 hrs.

Save 80,000 USD by having an intelligent control of your cooling water system!

DESMI's OptiSave™ ensures that the pump speed is adjusted to current seawater temperature and engine load.

It is available as retrofit installation and saves as much as 80% of the pump’s energy consumption.

The DESMI FineFog™ fixed firefighting system is developed to suppress or extinguish fire at an early stage before releasing the total flooding system as required by SOLAS.

The FineFog™ water mist has a highly suffocating and cooling effect. With this system you can protect the inflammable objects in accordance with SOLAS requirements without having to shut down the engine, evacuate personnel or seal-off space.
OIL SPILL RESPONSE

Easy storage and protection combined with simple handling and stacking

Any vessel operation is a competitive affair and with margins continually under pressure, owners, operators and leasees alike want to maximize their investment.

With the renewed global interest and pressure on oil spill recovery, many vessels are looking to expand their operational footprint to include oil spill response (OSR).

This is where the OSR solutions from DESMI are proving to be the most popular and cost effective with the best life cycle costs in the market today.

DESMI OSR can be profitably considered during the very first stages of vessel design or review to ensure the most practical, useable and efficient OSR equipment package to match the market demands. Whether it is for the Arctic or Equatorial waters, DESMI can design, build and commission equipment that can also complement existing world-wide bases which are often already equipped with proven oil spill technology.

DESMI OSR comprises a huge range of equipment and materials including booms, speed sweeps, skimmers, dispersants, pumps and temporary storage which can be developed into complete systems.

Containerization of these equipment systems ensures a pick and mix approach according to specific conditions and with 10 foot DNV boxes becoming the norm, lifting, locating, storage and transportation are simplified.

DESMI OSR equipment is used with OSVs, Ice Breakers, AHV, Navy, Coast Guard and even vessels of opportunity.

The systems are available in stock and include a range of complete standard equipment systems to suit scenarios from the offshore to shoreline. The systems include booms, skimmers, sweep systems, dispersant spray and temporary storage and can be packed in e.g. 10’ containers according to DNV 2.7-1 standards. 20 and 40’ containers are available, dependent on specific needs as regards to weight and space.
The refuelling system has built-in redundancy for increased reliability. The service and transfer pumps and filter water separator duties are fully interchangeable by use of valves.

The refuelling system is used for pressure and gravity fuelling of helicopters and vehicles on board vessels, and the system is also fitted with a facility to defuel helicopters.

The refuelling system comprises a pump filter skid, refuelling modules, and a control system.

The pumping filtration module consists of two filter water separators and two DESMI ROTAN® fuel pumps.

The dispense module consists of a final filter, mechanical meter, defuel pump, hose, hose reel, pressure refuelling and gravity refuelling nozzles. The HIFR unit can be connected to the pressure refuelling nozzle hose or a deck mounted connection on the flight deck.
AFTER-SALES SERVICE
The efficient and reliable operation of DESMI products is a requirement of both the customer and DESMI. In this regard, the DESMI Service Team can support and enhance these operations on a global scale.

The DESMI Service Team are all factory-trained and available to answer both your technical and practical demands.

DESMI offers customized programmes to meet specific client requirements and be your partner of choice. In case of emergency breakdowns, we can send over pumps and equipment within 48 working hours or access our global parts database and have the equipment operational in the shortest possible time.

DESMI can advise on all interfaces, installation, commissioning and training for all equipment supply. A truly 360 degree approach.

DESMI Service Team supports a working culture based on an appropriate respect for health, safety and environmental issues.
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- ONE GLOBAL COMPANY

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