



DESMI Cargo Pumps

Deepwell Cargo and Booster Pumps for Gas and Chemical Tankers

PROVEN TECHNOLOGY

DESMI

SAFE & RELIABLE CARGO PUMPS

Starting back in 1834 and with a brand recognition from various industries and customer databases, you are guaranteed a partner and manufacturer who delivers your cargo pump in a high quality with focus on efficiencies, reliability and a service-friendly design.

With DESMI factories in China, Denmark, US, and India, subsidiaries in 19 countries worldwide, and a global distributor and service network, we guide you all the way through commissioning, installation, and service. Our global footprint is unique – and we are here to serve you!

If you start to count and visit cargo ships sailing around the world, you will notice that many DESMI Deepwell pumps are installed and in use. The number of parts and the efficiency of the pumps have been improved based on the operational experiences from our existing pumps and by means of modern design tools and our in-house test facilities.

COMMON CARGOS SUPPORTING

Acetaldehyde
Ammonia
Butadiene
Butane
Butylene
Carbon dioxide
Diethylether
Dimethylamine
Ethane
Ethanol
Ethene
Ethene oxide
Ethyl amine
Ethyl chloride
i-Butane
Isoprene
Isopropylamine
Methanol
Methyl acetylene
Methyl bromide
Mixed C-4 Cargoes
Pentane
Pentene (all isomers)
Propane
Propene
Propene oxide
Refrigerant gases
Vinyl chloride (VCM)
Vinyl ethylether
Vinylidene chlorine



The pumps represent state-of-the-art in terms of:

- Energy efficiency
- NPSHr
- Ease of installation
- Ease of maintainance

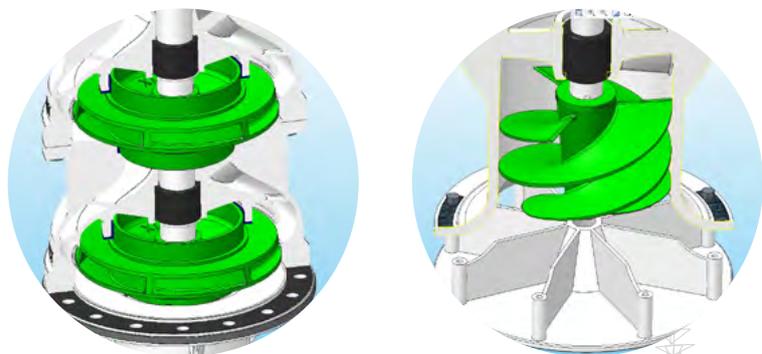
We have carefully reviewed all materials and parts to ensure that our pump can resist the most aggressive and difficult chemicals and gases. The world is constantly changing and so is the list of possible cargoes. We are ready to access, if it is possible to pump a certain cargo or if special materials are required. Not only today, but also if it is questioned whether one of the installed pumps are capable to handle a certain cargo in the future.

DESMI DESWELL DEEPWELL PUMP WITH ITS WIDE ARRAY OF TRAITS AND FEATURES



- Well-proven double shaft seal to safeguard against any leakage
- Easy shipment and assembly at yard
- Reduced number of impeller stages
- Possibility to rotate the shaft in counter direction in case of ice-blocking

With the DESMI Cargo Pump you get a more energy efficient pump, this not only means savings in electrical energy for the pump, but also for the re-liquification plant onboard.



DESWELL DEEPWELL Cargo Pump

Materials:

Stainless steel AISI or similar for cargo temperatures down to -165°C.

Stainless steel AISI 304 or 316L for special requirements

The DESWELL pumps are available in various sizes and can be customized to meet the requirements for your ship

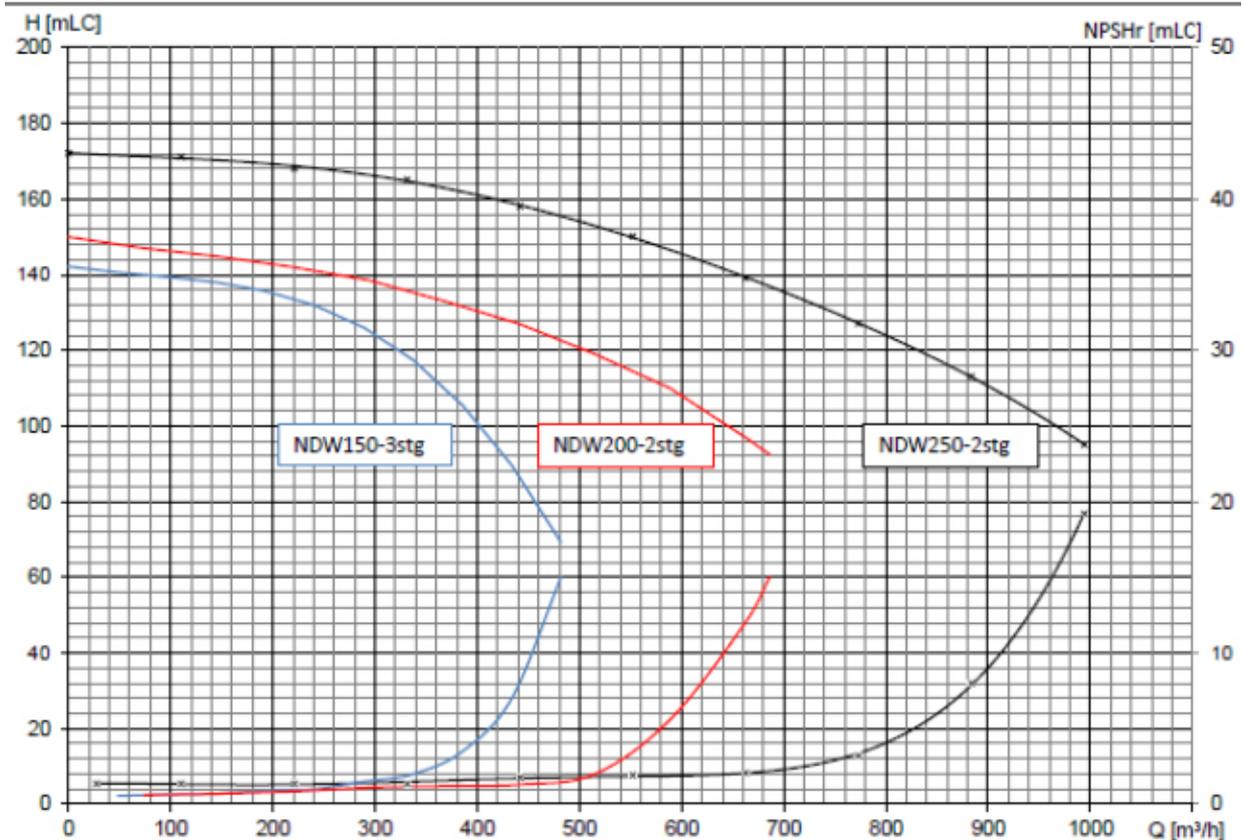
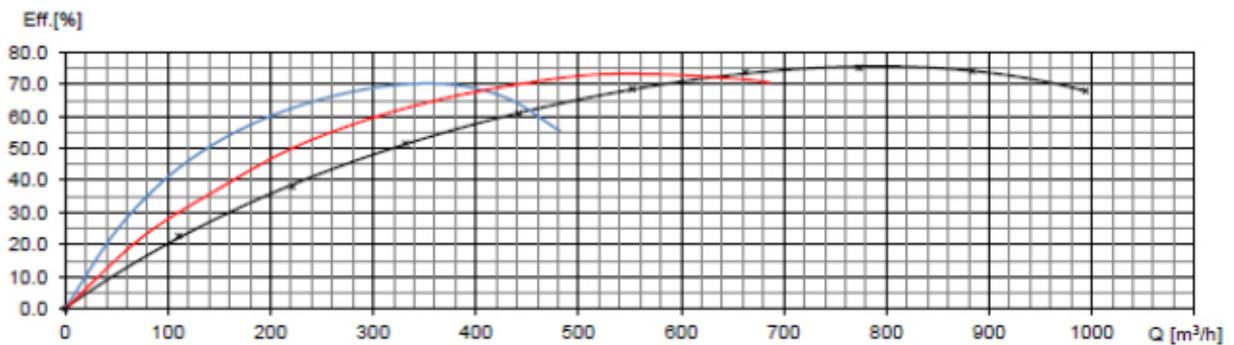
Capacities: up to 850 m³/h / 3742 US gpm

Pressure: up to 160 mLC / 0-459 ftLC

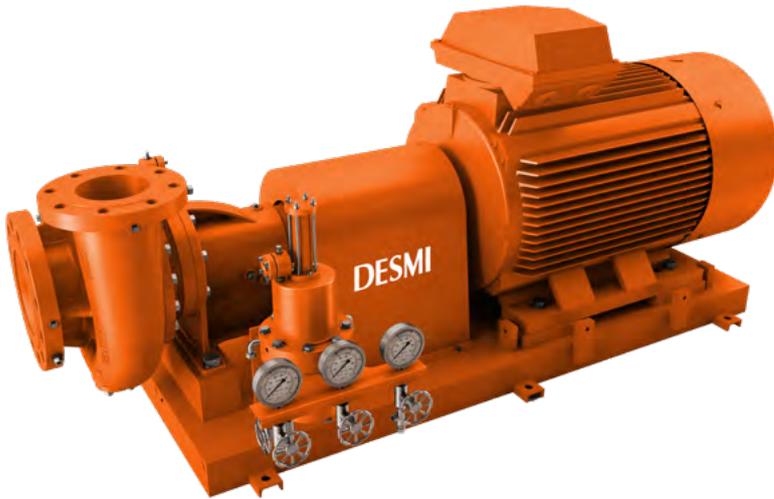
Temperatures: down to -165°C / -265°F

Vessels types:

- Fully refrigerated
- Semi refrigerated
- Ethylene capable
- Chemical tankers



BOOSTER CAPABILITIES



DESMI also manufactures booster pumps to be placed on the deck and to support the DESWELL pump obtaining a higher total pressure of the cargo, if required by the gas terminal.

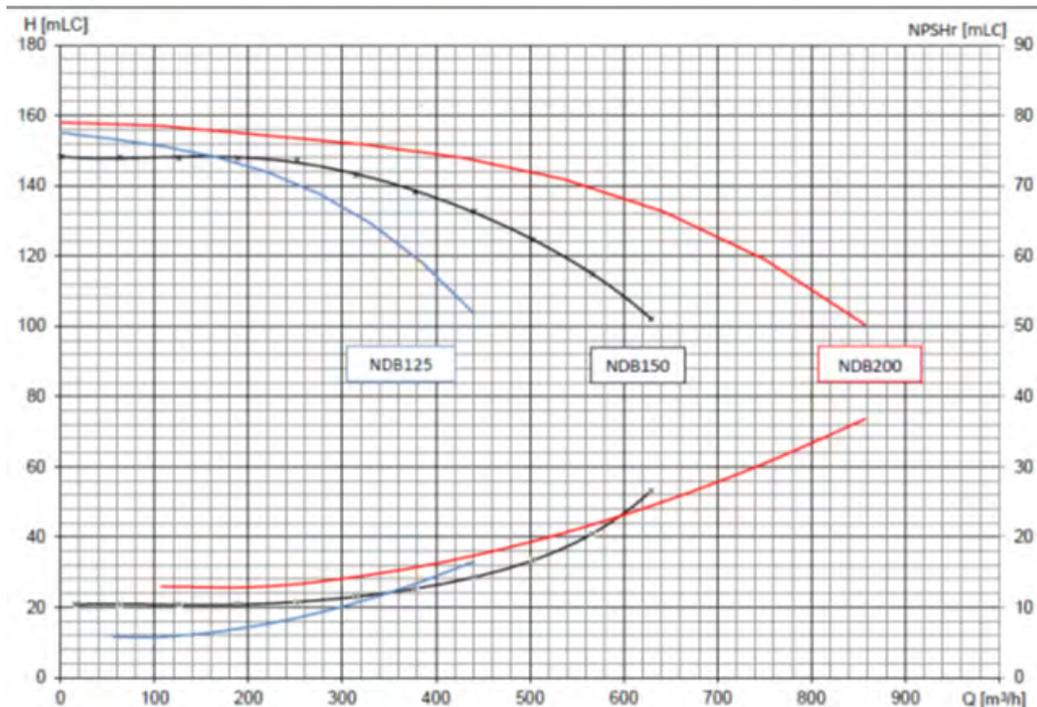
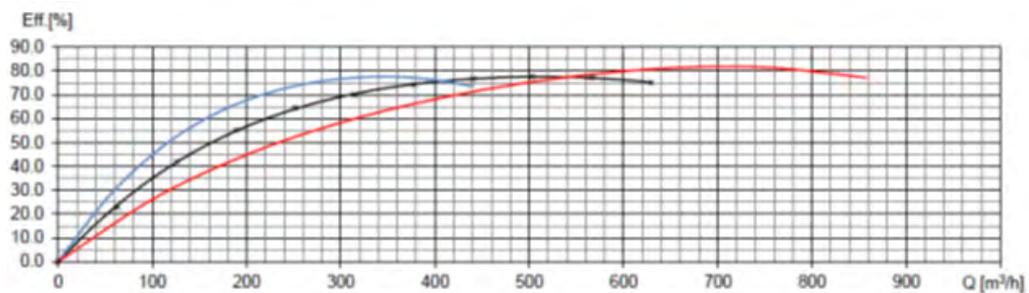
The booster pumps are single-stage centrifugal pumps available in various sizes according to requirements.

Technical Specifications Booster Pumps:

Capacity: 850 m³/h / 3742 gpm

Pressure: up to 150 mLC / 0 - 459 ftLC

Temperature: down to -165°C / -265°F



A cargo pump is not just a cargo pump - especially when it comes to reliability and efficiency. DESMI cargo and booster pumps have been in operation for more than 25 years on different types of gas and chemical tankers.

DESMI can ensure a safe, reliable, efficient, and cost competitive solution suited for today's cargo freight and market standards.

With our well-established service network and world-wide representation, we are ready to support you through selection, installation, and maintenance - as we have done for many, many years for the marine market.



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