

Pump Range

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Further information:

- Contact us regarding specific product brochures or visit our web site:
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DESMI pumps

integrate
integrate
knowledge & technology

DESMI is a dynamic company with many years of experience and a product range, recognized by businesses all over the world. DESMI has subsidiaries in a number of countries and a world wide distributor network. DESMI develops, manufactures and sells centrifugal pumps, internal gear pumps, sewage pumps, and environmental equipment for the recovery of oil spills. Our customers rely on the quality of our products, and our quality system is in accordance with the requirements of ISO 9001.

DESMI

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DESMI A/S

DESMI centrifugal pumps

DESMI offers a comprehensive range of centrifugal pumps:

- For many years horizontal self-priming pumps, where priming is based on the diffuser principle, have been a DESMI speciality.
- Further, vertical in-line pumps are a DESMI speciality which over recent years has become further strengthened by the introduction of new pump types.

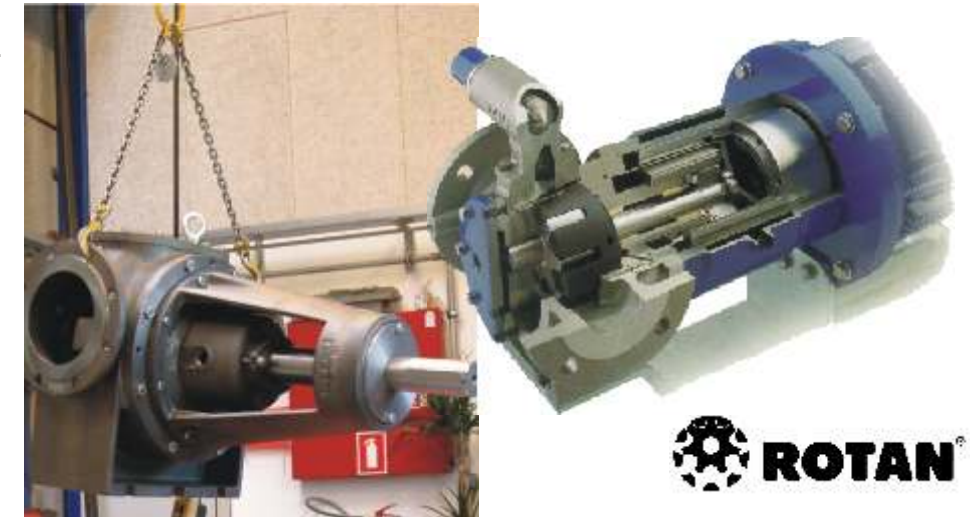
DESMI pumps are primarily used for marine applications for both fresh as well as seawater.

Additional fields of application are distribution pumps e.g. for district heating, remote cooling and generally within industry.



ROTAN pumps

All ROTAN pumps are hydrostatically and performance tested before delivery. A test certificate is supplied with every pump.



Vertical in-line NSL
DN 80 - 300 mm Q max. 1600 m³/h, P max. 15 bar
Applications: Sea and fresh water cooling, bilge/ballast, and fire pumps etc. In power plants as cooling water pumps, and in waterworks and district heating plants as distribution pumps. In industry generally and for air conditioning etc.

Vertical in-line SL
DN 70 - 250 mm Q max. 1400 m³/h, P max. 20 bar
Applications: On vessels as sea and fresh water cooling, bilge/ballast, and fire pumps etc. In power plants as cooling water pumps, and in waterworks and district heating plants as distribution pumps.

Vertical in-line DSL
DN 300 - 400 mm Q max. 4000 m³/h, P max. 4 bar
The pump for high capacities. Applications: Sea and fresh water cooling and ballast pumps etc. on vessels. In power plants as cooling water pumps, and in waterworks and district heating plants as distribution pumps.

Internal gear pumps - ROTAN GP "General Purpose"
DN 25 - 100 mm Q max. 50 m³/h, P max. 16 bar
The pumps are used for pumping clean oils/liquids.

Internal gear pumps - ROTAN CC "Close Coupled"
DN 25 - 50 mm Q max. 30 m³/h, P max. 16 bar
The pumps are used for pumping clean oils/liquids.

Internal gear pumps - ROTAN CD "Chemical Duty"
DN 25 - 200 mm Q max. 170 m³/h, P max. 16 bar
The pumps are used for pumping organic acids, fatty acids, chemicals, caustic soda, polymer solutions, soap, shampoo, animal and vegetable fat, and chocolate.

Vertical in-line DKVAZ
DN 300 mm Q max. 2500 m³/h, P max. 9 bar
Split-casing pump for high capacities. Applications: As sea and fresh water cooling and ballast pumps etc. on vessels. In power plants as cooling water pumps, and in waterworks and district heating plants as distribution pumps.

Vertical in-line PVLN
DN 25 - 200 mm Q max. 600 m³/h, P max. 6 bar
Circulation pump primarily for low capacities. Applications: In the civil engineering sector and in waterworks, central and district heating plants as flushing and circulation pumps. In industry generally and for air conditioning etc.

Vertical in-line MODULAR V
DN 50 - 80 mm Q max. 350 m³/h, P max. 15 bar
Applications: Sea and fresh water cooling, bilge/ballast, and fire pumps etc. on vessels. In industry generally and for air conditioning, cooling towers etc.

Internal gear pumps - ROTAN HD "Heavy Duty"
DN 25 - 200 mm Q max. 170 m³/h, P max. 16 bar
The pumps are typically used for oil, asphalt, chocolate, paint, lacquer, molasses, soap and other similar liquids used within the process industry.

Internal gear pumps - ROTAN ED "Environmental Duty"
DN 25 - 150 mm Q max. 90 m³/h, P max. 16 bar
The magnetically coupled pumps are typically used for pumping isocyanate, solvents like phenol, herbicides, pesticides, fungicides, benzene, and other toxic liquids.

Internal gear pumps - ROTAN PD "Petrochemical Duty"
DN 25 - 200 mm Q max. 170 m³/h, P max. 16 bar
The pumps are specially used for pumping crude oil, lube oil, gasoline, lubricants, and other hydrocarbons.

Special pumps

DESMI's pump range also includes pumps for more specific purposes and applications.

Among others fire pumps for the shipping industry, fuel pumps e.g. for military units, off-loading pumps for tankers, sprinkler installations for fire fighting, hydrophore installations for water supply plants or screw pumps e.g. for industrial off-loading.

Sprinkler installations



DN 50 - 200 mm
Q max. 8000 l/min, P max. 9.5 bar

Used for fire fighting in department stores, hotels, hospitals, rest homes, warehouses, industrial buildings, transport centers etc.

Hydrophores



DN 25 - 200 mm
Q max. 400 m³/h, P max. 20 bar

Used in water supply plants, in residences, hotels, slaughterhouses, dairies, breweries and the like where the available water pressure is not sufficient to secure a satisfactory water supply. Available with frequency converter.

Mobile fire pumps S & SA



DN 50 - 80 mm
Q max. 80 m³/h, P max. 7 bar

The pump, which is mounted in a stable carrying frame with reliable diesel engine, is approved by the Danish Maritime Authority for use on board minor vessels as a mobile fire pump.

Cargo DESWELL



DN 80 - 250 mm
Q max. 1000 m³/h, P max. 20 bar

This deep-well cargo pump is used as discharge pump on tankers. The pump is specially suited for pumping LPG/LEG, chemicals, acids, and oil products.

Vertical Archimedes' screw pumps DOP-160



Discharge flange: 3" - 5"
Q max. 30 m³/h, P max. 10 bar

Used for high-viscous liquids such as oil, molasses, oil mixed liquids etc. As skimmer pump, off-loading, and within industry.

Mobile fuel pumps S & SA



DN 40 - 80 mm
Q max. 80 m³/h, P max. 7 bar

The pump is specially constructed for pumping jet-fuel and is used by military units for re-fuelling of airplanes and various vehicles. The diesel engine, which is safely shielded from the pump unit, is available with a special cold start device.

Booster DESCARGO



DN 80 - 150 mm
Q max. 450 m³/h, P max. 120 bar

The pump is primarily used as discharge pump on tankers, barges etc. The pump is specially suited for pumping LPG/LEG, chemicals, acids, and oil products.

Vertical Archimedes' screw pumps DOP-250



Discharge flange: 4" - 6"
Q max. 125 m³/h, P max. 10 bar

Used for high-viscous liquids such as oil, molasses, oil mixed liquids etc. As skimmer pump, off-loading, and within industry.

Horizontal self-priming MODULAR S



DN 25 - 100 mm
Q max. 400 m³/h, P max. 15 bar

Applications: On vessels as sea and fresh water cooling, bilge/ballast, and fire pumps. In industry generally as cooling water pumps etc. As well point pumps and within agriculture for irrigation and watering.

Horizontal self-priming SA



DN 3/4" - 8"
Q max. 650 m³/h, P max. 11 bar

With its open impeller this pump is particularly suited for pumping liquid containing solids. On vessels as cooling, bilge/ballast, and fire pumps. Also as well point pumps and within agriculture.

Horizontal self-priming SAN/SAEN



DN 2" - 3"
Q max. 85 m³/h, P max. 6 bar

The open impeller makes this pump particularly suited for pumping liquid with a high content of solids. Used on vessels as cooling, bilge/ballast, and fire pumps etc. Also as well point pumps and within agriculture.

Horizontal self-priming MODULAR S Monobloc



DN 50 - 100 mm
Q max. 400 m³/h, P max. 15 bar

The space-saving model mounted with electric motor. Used on vessels as sea and fresh water cooling, bilge/ballast, and fire pumps. In industry generally as cooling water pumps.

Horizontal non-selfpriming MODULAR H



DN 40 - 80 mm
Q max. 300 m³/h, P max. 10 bar

Applications: On vessels as cooling water pumps. In industry as cooling water pumps, for air conditioning, washers, waterworks etc. Particularly suited as sprinkler pumps mounted with electric motor or diesel engine.

Horizontal self-priming VAC



DN 65 - 100 mm
Q max. 85 m³/h, P max. 2 bar

Besides the traditional impeller this pump is equipped with a specially designed rotor which enables the pump to evacuate big amounts of air and gasses mixed with the liquid. Among others the pump is specially suited for dirty water as bilge and well point pump.

Horizontal self-priming MODULAR Super-primer



DN 70 - 80 mm
Q max. 100 m³/h, P max. 5 bar

With its built-in priming wheel this pump is particularly suited as emergency fire and bilge pump where very quick priming is important. The pump is available with electric or hydraulic motor, or petrol or diesel engine.

Horizontal non-selfpriming MODULAR H Monobloc



DN 40 - 80 mm
Q max. 300 m³/h, P max. 10 bar

This space-saving model mounted with electric motor is among other things used as cooling water pumps on board vessels. Further in industry generally as cooling water pumps etc.



Ground and waste water pumps

DESMI's delivery range comprises all types of ground and waste water pumps. These pumps are used for pumping drain, rain, ground and waste water.

The pumps are available with various types of impellers.



Waste water D-series, submersible



DN 20 - 500 mm
Q max. 4000 m³/h, P max. 7 bar

Pumps for submerged duty for waste and sewage water. Available with coupling arrangement and guide pipe. Motor with or without cooling jacket.

Waste water PKD



DN 25 - 200 mm
Q max. 400 m³/h, P max. 3.5 bar

Submersible waste water pumps available with coupling arrangement and guide rail.

Waste water D-series, grinder



DN 50 mm
Q max. 30 m³/h, P max. 6 bar

Submersible waste water and sewage pumps equipped with a grinding system making the pumps particularly suited for pumping water contaminated with fibers and solid matters. Available with coupling arrangement and guide rail.

Ground water



DN 1 1/4" - 2 1/2 mm
Q max. 45 m³/h, P max. 2.5 bar

Applications:
- drain water
- rainwater
- slightly polluted waste water

Waste water PKN



DN 20 - 200 mm
Q max. 360 m³/h, P max. 3.5 bar

Dry-mounted waste water pumps with IEC norm motor. Horizontal or vertical mounting.

Waste water D-series, dry-mounted



DN 20 - 500 mm
Q max. 4000 m³/h, P max. 7 bar

Dry-mounted waste water pumps with totally enclosed motor. Horizontal and vertical mounting.

DPR - Pump well



Diameter 400-3000 mm
Well, pump(s) and piping acc. to requirements

Prefabricated pump wells for waste or drain water. The DPR pump wells are supplied as complete units with lockable top cover in aluminium or PE, and connections for inlet and outlet pipes together with electric connections.

Vertical multi-stage DPV



DN 25 - 100 mm
Q max. 75 m³/h, P max. 40 bar

Applications: Increase of pressure, boiler feed, water supply, watering, air conditioning, washers, cooling water transport, marine applications, and fire-fighting.

Self-priming sewage DST



DN 65 -150 mm
Q max. 300 m³/h, P max. 2.5 bar

Dry-mounted sewage pumps with good priming ability.