GRUNDFOS INDUSTRIAL SOLUTIONS

be think innovate



Li c c c i i

Your requirements is our specialty

meet you at the nearest port to find a solution.

Get your spare parts in 24 hours

Even when you are sailing the seven seas, Grundfos is never

far away. With more than 80 sales and service companies

in more than 45 countries, you are guaranteed local service

and support in the native language whenever you need it.

Thanks to our close cooperation with international express

transport companies spare parts can be sent to any port

critical problem occur, a Grundfos service specialist will

around the world within 24 hours. This effectively reduces the risk of downtime onboard your ship and offers peace of mind to both shipowners and engineers. Should a more

All Grundfos marine pumps can be adapted to meet individual customer requirements. In fact, more than one million different variants of our standard products can be manu-factured – and new variants are added to that number on a daily basis. Every year, we devote 5% of the

SET OUT TO SEA WITH A TRUSTWORTHY PARTNER

Are you looking for a dedicated pump supplier who offers high quality products as well as unparalleled global presence? The Grundfos range of thoroughly-tested marine pumps is built on more than 60 years of experience within the pump business and we take pride in having been the first to have our products certified in accordance with ISO 9001. Covering the engine room, general services and utilities, our marine range includes robust pump systems for boosting, cooling, A/C and heating as well as pumps for fuel oil, lube oil, oily bilge and sludge.

Grundfos Facts

- > 80 sales and service companies in 45 countries
- > 580 certified service partners worldwide
- > 18,236 employees

turnover to research and development, striving to push the boundaries in pump technology and bringing to life the pumps of tomorrow. This is why we are confident that you, too, will find a unique solution for your application within our extensive and already thoroughly-tested range. To ensure high quality in every aspect, a new product is not released unless its performance significantly exceeds that of the existing product.

Significant savings in the long run

In a highly competitive market, a certain focus on price is only natural. However, experience shows that on average the purchase price of a pump amounts to as little as 5-10% of the total cost – while as much as 90% stems from the energy the pump uses when in operation. Which is why one of Grundfos' main objectives when developing new products is to ensure low energy consumption and consequently reduced operating costs for you. And why we are eager to share our extensive know-how and experience with you.



 > Over 16 million pumps produced every year
 > 5% of annual turnover dedicated to research and development



COVERING YOUR PUMP REQUIREMENTS AT SEA

Grundfos' marine pump systems are developed with one primary goal: To provide you with equipment that you can trust even in the harshest conditions at sea. We offer proven products for a wide range of marine applications onboard a ship – from the crucial engine room over general services to utilities. On top of reliability, easy maintenance and low operating costs are built-in advantages in every one of our marine pumps and we are very willing to use our know-how to optimise your operations.

Additional pump requirements

In close cooperation with other recognised suppliers Grundfos is able to deliver pumps for all marine applications, not covered by our own range.



Freshwater generator > Centrifugal pumps – CR and CM > Dosing



Boiler > Centrifugal pump – CR



Waste water > Centrifugal pumps – SEG, SEV and MTB > Dosing



Engine room > Centrifugal pumps – TP, NB/NK and CR

> Dosing



Firefighting > Centrifugal pumps – CR



COMPLETE RELIABILITY BELOW DECK

With tens of thousands of Grundfos pumps already at work on ships all over the world, we understand the importance of high performance and reliability. Particularly in the engine room where downtime is not an option. Choosing Grundfos as your pump supplier in this critical area, you will be equipped with sturdy solutions that will not let you down.



TP

The TP pump is the ideal choice if you prefer a close coupled inline pump for your marine applications. The comprehensive range of sturdy TP pumps offers capacities of up to and exceeding 4600 m3/h. In addition, the rigid shaft has been designed especially to ensure highly durable bearings and mechanical seals.



Fire Scru Ejec

Free

CRT

The full-titanium CRT is the only pump of its kind produced in this corrosion-resistant material. Offering operating pressure of up to 25 bar, the service-friendly CRT can be used for seawater and chemicals.



CR

The versatile CR pump is already at work on thousands of marine vessels all over the world. The extensive Grundfos range of high-quality pumps is particularly suitable for medium flows and ensures cavitation-free operation even outside the normal duty range of the pump.

Engine room applications

and general services:	CR
ubber cooling:	CRT
tor pump:	CRT
hwater cooling:	NB/N

, TP, CR

NB/NK

The range of NB/NK multi-purpose pumps offers a close match between duty point and pump size, leading to lower operating costs. High efficiency and easy maintenance are additional benefits of these powerful pumps. The end suction NB/NK pumps are available in cast iron and duplex steel to ensure at long life at sea.







Firefi Boile Ther Chill Sewa HVAC

DEPENDABLE SOLUTIONS STRAIGHT AHEAD

When it comes to utility pumps Grundfos is unsurpassed in every aspect. Since the foundation of the company in 1945, water distribution has been the backbone of the company – and we continue to set the standard on the market for utility pumps. All Grundfos pumps combine high quality and energy efficiency with in-depth knowledge of virtually any application. It is this extensive experience we have integrated into the marine-specific solutions, making sure that the choice of material as well as the reliability are ideal for use in the rugged environment encountered at sea.

Hydro MPC

The Hydro MPC booster system handles eventhe most difficult boosting jobs with ease and accuracy. It is suitable for pressure boosting in water supply systems, water treatment systems and fire fightingsystems, offering low energy consumption, easy installation and constant pressure. In addition, it can be used for cooling in the engine room.





BMEX

SP

The SP seawater pump features submersible, space-saving and easy installation as well as high efficiency and built-in motor protection, offering capacities of up to 335 m³/h.

C

Featuring state-ofthe-art technologies, the BMEX system is extremely efficient and highly dependable for seawater desalination. The compact system is corrosion and wearresistant thanks to internal ceramic components, and easy to dismantle for service. The SMART Digital DDE is a compact positive displacement, diaphragm dosing pump with variable-speed drive (stepper motor) and intelligent control electronics with minimum energy consumption. The SMART Digital Dosing series operates at full stroke length to ensure optimum accuracy, priming and suction, even for degassing liquids. The duration of each discharge stroke varies according to the capacity set, resulting in optimum smooth and continuous discharge flow. The clickstop mounting plate allows installation in three different positions without using any additional accessories. The dosing flow can be adjusted by means of an adjustment knob on a logarithmical scale from 0.1-100%.

Utility applications

fightng:	CR, BMP
er feed:	CR
rmal oil:	CR
led water:	CM, Hydro MPC
age:	SE1, SEV, SEG, Dosing
۲C:	UPS, MAGNA, TP, NB/NK, Hydro MPC
er treatment:	BM, BMEX, Dosing



DDE and DDE-XL

DME

Straightforward and precise digital dosing are characteristics of the DME range, offered exclusively by Grundfos. The high accuracy of the dosing pump reduces operating costs and is ideal for injection of chemicals in water, oil and wastewater treatment systems. Moreover, the DME gives you peace of mind in terms of installation costs and highly accurate capacity setting in ml or l.





SAIL THE SEVEN SEAS WITH PEACE OF MIND

Across the world, Grundfos is always at your side, offering extensive service and support. From the planning of the pumps in the early phases to the drawing up of order-specific documentation, our marine specialists are there to assist you. And should our expertise be required on the open sea, service instructions are also available online.

From one specialist to another

Even if you know all there is to know about pumps, it could

prove helpful to talk to one of Grundfos' pump specialists in the early phases of planning, particularly if you are interested in saving energy. Experience shows that, on average, the purchase price of a pump amounts to as little as 5-10% of the total cost – while as much as 90% stems from the energy the pump uses when in operation. We pay great attention to this aspect when developing new products and you could achieve significant savings by talking to Grundfos. Furthermore, we are more than happy to provide you with individual documentation, customised to your specific order.

GRUNDFOS PRODUCT CENTER

Online search and sizing tool to help you make the right choice. http://product-selection.grundfos.com

 SIZING enables you to size a pump based on entered data and selection choices.

STRUNDFOS PRODUCT CENTER NOME NUM PRODUCT COMPARE YOUR PRODUCT SAVED ITEMS TOOLS HEP Find products and solutions Products Insut product number or is whole or partial product name Insut product number or is whole or partial product name Lising Insut product number or is whole or partial product name Insut product number or is whole or partial product name Lising Insut product number or is whole or partial product name Insut product name Image: Sizing Image: Sizing Image: Sizing Catalog Pow (Q*) Image: Sizing Cuided selection Image: Sizing Pow (Q*) Image: Sizing Image: Sizing Image: Sizing Head Pd* Image: Sizing Image: Sizing Image: Sizing

CATALOGUE gives you access to the Grundfos product catalogue.

Pump design

All the information you need in one place

Performance curves, technical specifications, pictures, dimensional drawings, motor curves, wiring diagrams, spare parts, service kits, 3D drawings, documents, system parts. The Product Center displays any recent and saved items - including complete projects - right on the main page.

Certifications

As an acclaimed worldwide pump supplier, Grundfos is authorised by well-reputed international classification institutions to classify pumps and pump parts.



Korean Register of Shipping
 Indian Register of Shipping
 American Bureau of Shipping



> Registro Italiano Navale Agenture> China Classification Society

> Russian Maritime Register of Shipping



> Biro Klassifikasio Indonesia
 > United States Coast Guard
 > Nippon Kaiji Koykai

REPLACEMENT enables you to find a replacement product.

Search results will include information on

- the lowest purchase price
- the lowest energy consumption
- the lowest total life cycle cost.

Pro	duct range: USA 60 Hz Language: Einglish (USA) Change settings
	C SEARCH
Replacement Replace an old pump with a new	Liquids Find iquid pump
	START SIZING
	LIQUIDS enables you to

LIQUIDS enables you to find pumps designed for aggressive, flammable or o other special liquids.

Downloads

On the product pages, you can download installation and operating instructions, data booklets, service instructions, etc. in PDF format.

GRUNDFOS MARINE SOLUTIONS

When you choose Grundfos as your marine pump supplier, dedication, solid know-how and high-quality products are built-in benefits. The world number 1 in pumps, we offer an unsurpassed global presence, allowing you easy access to service and support at ports on every continent. Covering the engine room, the general services and the utilities, our marine range includes robust pump systems for boosting, cooling, A/C and heating as well as pumps for fuel oil, lube oil, oily bilge and sludge. All pumps can be customised to comply with your specific application requirements – based on thoroughly-tested products and 60 years of experience. In addition to this, Grundfos offers:

- > High-quality pumps for all marine applications
- > Spare parts delivered to the nearest port within 24 hours
- > 80 sales and service companies in 45 countries
- > Access to comprehensive documentation and web tools
- > Easy installation and maintenance
- > Efficient solutions offering reduced life cycle costs

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