

Cut energy consumption by 50% with a Grundfos solution

Being able to efficiently control the speed of a vessel's cooling pumps according to the temperature of the sea significantly reduces energy consumption and costs below deck. Grundfos' speed-controlled cooling solutions for marine applications offer savings of up to 50%.

Looking to reduce energy consumption at sea? A control solution from Grundfos is the obvious choice. The advanced technology automatically adjusts the speed of the cooling pumps according to the actual temperature of the seawater. This means that no energy is wasted cooling the engine at maximum speed when there is in fact no need for it.

Break with tradition

Cooling solutions are designed to cool at a constant seawater temperature of 32 °C – regardless whether the vessel is sailing around the Persian Gulf or the Baltic Sea in January. Grundfos now breaks with this, offering a variable-speed alternative that is as beneficial to the environment as it is to the ship owner's economy. Reduced energy consumption equals reduced CO2 emissions and fuel costs - an increasingly important factor in every industry and one that Grundfos takes very seriously.

Suitable for a variety of marine applications

The advanced Grundfos solution efficiently controls the speed of virtually any Grundfos pump, new or old, irrespective of size and power range. The series is suitable for a variety of marine applications:

- Seawater cooling pumps
- Freshwater cooling pumps
- Boiler feed
- Utilities (HVAC, water supply etc.)



The versatility of the advanced solution makes way for enormous energy savings on a vessel. In addition, the solution keeps everything under automatic control.

Know-how leads the way

Speed control by means of frequency converters has been part of Grundfos' portfolio for 25 years. Industries all over the world benefit from the extensive know-how built into every Grundfos solution, ensuring that energy consumption is kept at bay. The advanced controls are part of Grundfos' comprehensive E-solution programme of speed-controlled pump systems, developed to make way for more energy-efficient operations. And since around 70% of the total costs incurred over a variable-speed pump's life are attributed to energy consumption, there is good reason.

Please go to www.grundfos.com to learn more about the extensive E-solution programme or meet Grundfos at the KORMARINE Exhibition in South Korea, 21-24 October 2009.

(Fact box)

Cost-efficient, superior features

The advanced Grundfos controls offer:

- Automatic speed-control of cooling pump according to sea water temperature
- Annual savings of up to 50%
- Unmatched performance and reliability
- Easy installation (plug and play)
- Low life cycle costs
- User-friendly interface

