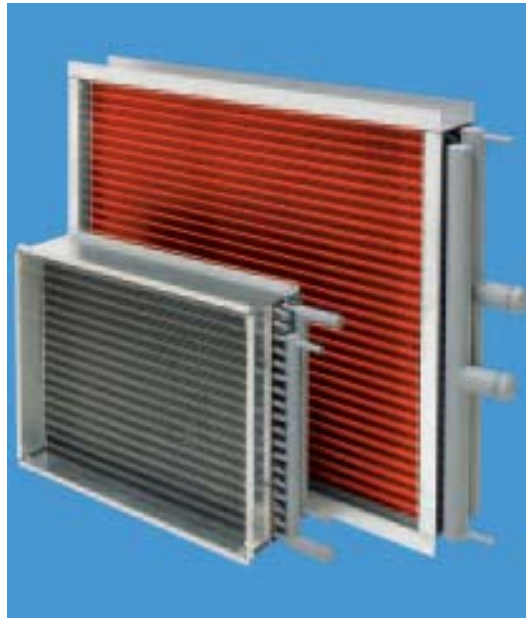
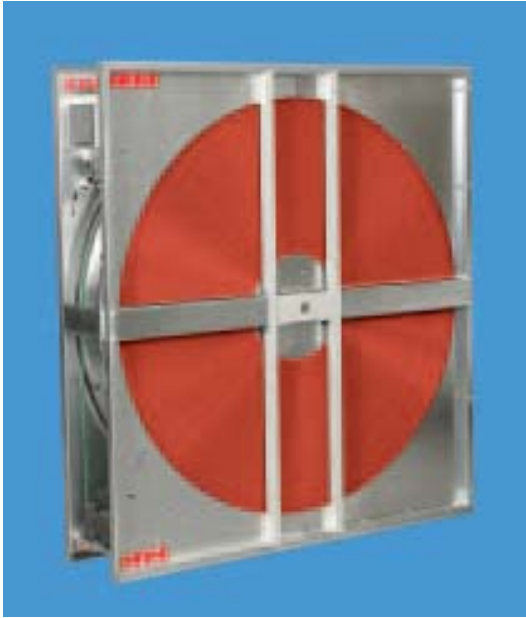


Marine/Offshore – Coils and Regotermis



Fläkt

FläktWoods

Ducts solutions for Marine and Offshore applications

Fläkt started manufacturing ventilation products in Sweden 1920 and the first products for marine applications were delivered to a passenger ship in 1937. Woods started making fans almost 100 years ago and is a respected leader in the field of axial flow fans.

The merger into Fläkt Woods in the beginning of 2002, created a market leader within Marine HVAC with a wide range of quality products for the Marine and Offshore Industries.

Marine applications put high demands on HVAC products and systems. The products must reliably provide the highest degree of indoor climate regardless of climate zone where the vessels are operating.

We ensure excellent quality and performance to optimize the products to build complete HVAC systems.

Our manufacturing process is certified under ISO 9001, ISO 14001 and EMAS (environmental management).

The aim of Fläkt Woods is to design for a good environment, a good indoor climate as well as a low operating costs.



»A continuous development programme and advanced testing facilities ensure that we are a market leader with these products and meet all necessary demands.«

Coils for cooling and heating

Fläkt Woods' brand Coiltech have long marine experience from manufacturing coils for high performance solutions. The coils are normally installed, to heat and/or cool, in our air handling units or separately mounted in duct systems.

As most marine ventilation systems are unique we have a wide variety of products to

meet our customer demands. Our coils are also designed for a variety of media such as water, brines, steam, refrigerant etc.

Most cooling coils are manufactured with copper pipes and with copper or aluminium fins and most heating coils with copper pipes and with aluminum fins.



Voyager Of The Seas – "Royal Promenade".



Heating and cooling coils – for installation in AHU and duct systems.

Titanium coils – a cost efficient solution...

When it comes to an extremely corrosive environment, such as use of sea water as a coolant, Titanium coils are the best solution.

They are normally used for cooling applications, but also for heating up to + 130° C, or even higher.

The coils are manufactured with Titanium pipes and with tinned copper fins for protection against the environment on the air side.

With this coil solution there is no longer any need for extra heat exchangers to protect copper coils, which is of course more expensive.

It is now possible to pump the sea water directly in to these cooling coils.



»Manufacturing Titanium coils demands advanced techniques, experience and skills which we have developed for performance in our own Workshop«

Regoterm is a rotary heat exchanger that provides not only a considerable reduction in the need for additional cooling and heating capacity, but also a significant decrease in the required cooling energy, due to it's outstanding ability transfer moisture from outdoor air to the exhaust air. Regoterm also reduces the heating energy at the same or higher level as the moisture transfer. This means both reduced fixed costs and reduced running costs onboard. Energy savings of up to 60 % can be achieved in this way. Even higher when the Turboterm® version is used. Due to the reduced fixed cost it often means that the Regoterm unit is paid already when installed.

The Regoterm unit consists of a rotor integrated in a tight casing with a drive motor. The reinforced hygroscopic rotor is specifically developed to give a high moisture transfer, as this is the main task for cooling recovery in Caribbean conditions. The hygroscopic treatment which is based upon an adsorption principal is patented by Fläkt Woods. As the rotors installed onboard ships are exposed to corrosive atmosphere, Fläkt Woods has developed and patented a

rotor with reinforced front surfaces to withstand this environment.

You can rely on future spare parts and other after sales service also for these products.

Regoterm can be easily selected using our newly developed selection program. This provides you with all the technical information you will need. The program is web based and always up-to-date without need to download program up-dates.

It is easy to understand why most Caribbean Cruise vessels have been equipped with rotating heat exchangers, like the Regoterm heat recovery systems over the last 20 years.



»Our Regoterm system is a solution to keep a high level of fresh air, to decrease demanded cooling capacity, to minimise the heating cost and to get a high living air climate onboard«

Fläkt Woods Group Brings Air to Life



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