



Dometic Titan Chiller

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## Dometic: Introduces New Titan Chiller Featuring Titanium Tube Condenser

*Seawork International 2016, Mayflower Park, Southampton, 14th to 16th June, Stand PG90*

Setting the standard for corrosion-resistant design for future chiller builds, Dometic is introducing its new Titan Chiller with revolutionary titanium tube condenser at this year's Seawork International.

The Dometic Titan Chiller features condenser coils made of industrial-grade

titanium which makes the units virtually immune to erosion and corrosion, significantly extending the life of cooling systems.

Designed to meet the stringent requirements for commercial, military and superyacht vessels, the durable Titan chiller is much easier to maintain as it can resist marine corrosion and also withstand the cleaning methods which are often used to keep invasive marine life out of the chiller's plumbing. It is therefore particularly valuable for use in regions where extensive debris in the water requires frequent cleaning of the tubes using harsh chemicals or high water velocity which can rapidly erode the condensers.

Steve Morris, Director of MAOE Sales, UK, Dometic, said: "The use of titanium is a ground-breaking development for chiller longevity in the marine industry, providing boaters, captains and boat builders with a vastly more corrosion-resistant material. Titanium is a very strong material that does not erode easily and therefore makes robust and long-lasting condenser tubes for vessel chillers. Although cupronickel is currently still appropriate in smaller duty self-contained and split gas systems, our capability to use titanium represents a fundamental shift that will have a huge impact on the way future chillers are designed and manufactured. The Titan sets the standard for corrosion-resistant design and provides peace of mind for commercial operators making a significant investment in their chiller system."

Dometic engineers have created the superior chiller with titanium tubes by developing an innovative patent-pending method which enables the difficult connection between the titanium inner tube and the exterior tube.

With debris from marine life increasing in recent years, chemicals such as muriatic acid are often used to clean a cupronickel condenser which can erode the walls of the tubes and cause the chiller to fail.

Dometic's smooth-tube Titan chillers successfully eliminate cupronickel, which means it is the ideal solution for vessels operating in areas affected by extensive debris or on which the crew is required to frequently clean the tubes with acid-based solutions. The titanium condenser can also cope with more than five times greater water velocity than cupronickel, allowing rapid water flow to keep the coils free of debris and ensure the chiller is running optimally.

Steve Morris added: "As an industry leader in water-cooled condenser

technology, we are aware that aggressive corrosion in certain regions of the world is adversely affecting the standard 90/10 cupronickel condensers that have been used for the past 50 years. To ensure our air conditioning systems feature the same longevity to last for the next half century, we have taken the opportunity to completely re-engineer this aspect of our systems.

“It is also important to stress that, while chemical cleaning plays a key role in system performance, it is critical for the boat owner or maintenance company to ensure they are using the correct chemicals and concentration of chemicals with no ‘over-flushing’. We found in our own independent chemical report that over concentration or incorrect chemical agents significantly contributes to the corrosive effect on cupronickel pipework.”

The Titan Chiller is covered under a Dometic five-year manufacturer’s warranty.

To view a video of the unit, click <https://youtu.be/S3PAEtxF05s>.

**For more information about Dometic’s air-conditioning equipment, visit Stand PG90 at Seawork or go to [www.dometic.com/marine](http://www.dometic.com/marine).**

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Dometic employs 6,750 people worldwide, had net sales of SEK 11,486m in 2015 and is headquartered in Solna, Sweden.