

Aeron E-SERIES for a sustainable better climate



Aeron wants to be one of the leading players in sustainable technology and will also make a positive contribution to the United Nations's sustainable development goals. One of the important goals is the **UN goal number 13 – Climate Action** – To take urgent action to combat climate change and its impacts. Therefore, Aeron acts, and we are developing a complete new innovative E-series of Environmentally friendly and Energy efficient products and Systems for a sustainable better climate.

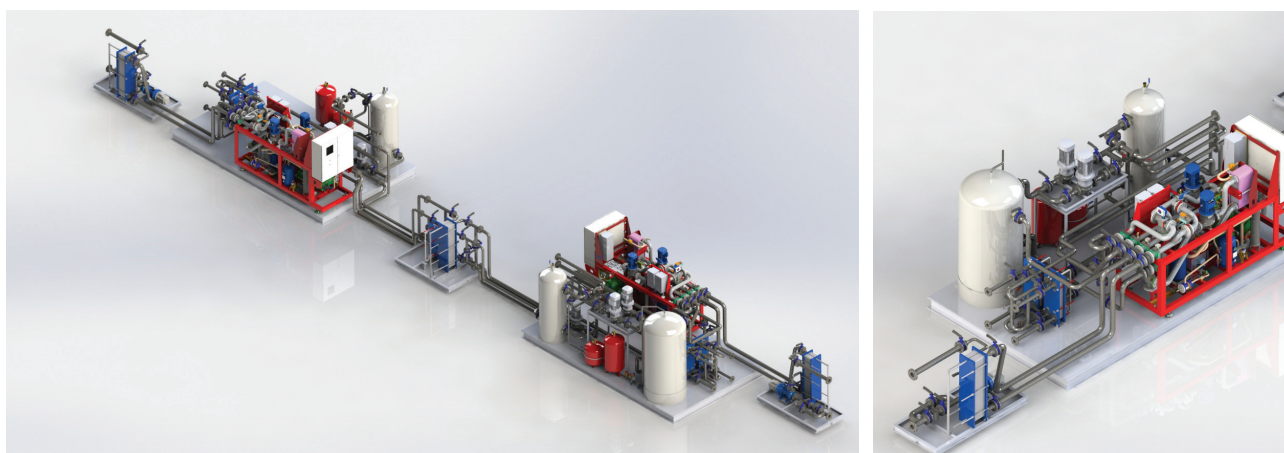


The world first DNV Certified CO₂ Marine Water Chiller *ECOOLER MWC 410-CO₂-5B*

Aeron is a world-leading supplier of refrigeration systems for marine & offshore that uses environmentally friendly carbon dioxide (CO₂) as a refrigerant. We have just had the pleasure to develop *the World first DNV Certified CO₂ Marine Water Chiller* for some new RO-Pax ferries.

Aeron ECOOLERS

Air Condition, Provision plants and other Cooling systems is a part of our core business. We think we can make the greatest impact to the world's best sustainable climate solutions by using natural refrigerants like CO₂. Climate systems typically affects the climate in two main ways. The release of refrigerants and the energy used to power the system. CO₂ as a refrigerant has no effect on the climate or environment, and Aeron's strong focus on developing energy efficient systems provides the lowest possible energy consumption. Refrigeration machineries with traditional synthetic refrigerants are contributing to the global warming. The much better alternative is to use natural refrigerants as we do in our **Aeron ECOOLERS** that is based on environmentally friendly natural refrigerants.



Aeron ERECOVER System

AERON is an innovative leader at the forefront of development, showcased by the development of energy-efficient solutions such as the **Aeron ERECOVER System** which is beneficial both for our customers economy and the environment. **The ERECOVER system** is designed to initially utilize all available energy from the air, water, engines, and other equipment as much as possible before employing new energy in the most efficient manner. The heart of this system is one or more water-to-water Heat Pumps that utilize both the warm side for heating and the cold side for cooling when necessary.

For heating purposes, **the Aeron ERECOVER System** first utilizes all the available energy from onboard equipment and stores this in water tanks. When this is insufficient, the heat pump will activate and use as much "free" energy from the sea or outside air as possible before the heat pump starts.

For air-conditioning and cooling purposes, **the Aeron ERECOVER System** initially harnesses free energy from the outside air and cold water in the sea. When necessary, the heat pump will start and produce more cold water for use in air conditioning and cooling of accommodation, as well as technical rooms and equipment. The Aeron ERECOVER System will distribute warm and cold water throughout the vessel to different heating and cooling consumers onboard. One of the benefits of the Aeron ERECOVER System is that all systems are manufactured by AERON, ensuring seamless operation and synergy with in-house expertise. **The Aeron ERECOVER System** can be installed in both new constructions and retrofits, enabling you to reduce costs and emissions quickly. Please contact us for more information about **the Aeron ERECOVER System** and how to harness free energy and develop energy-efficient solutions in your building."