

GROUNDBREAKING CO₂ COOLING SYSTEM



Fueled by our commitment to support decarbonization of the maritime sector, we have developed an innovative and patented natural refrigerant cooling system tailored for merchant ships, ferries and other maritime installations.

Not only it is a more sustainable choice due to its ultra-low environmental impact, it is also an economically feasible investment. Utilizing CO₂ as a refrigerant enhances energy efficiency and reduces the refrigerant charge compared to traditional HFO/HFC systems, making it an investment for both the present and the future.

Benefits of CO₂ cooling system:

- Up to 20% more energy efficient compared to traditional HFO/HFC system
- Global Warming Potential (GWP) of CO₂ is 3,400 times lower than a traditional HFO/HFC system with R404A or 1,800 times compared to R407C/F
- CO₂ is a no phase-out refrigerant that is non-flammable and non-toxic in low concentrations
- Suitable for retrofitting and new plants due to its smaller equipment size



WHY CHOOSE US?

B COOL will take care of the whole journey - encompassing design, manufacturing, testing, delivery, installment, and crew training. Our system offers flexibility, allowing installation through both direct expansion and indirect systems with chilled water circuits for both provision plants and AC chillers. Moreover, the control system seamlessly communicates with existing or new supervision system, with the possibility of remote monitoring.

We have successfully installed our CO2 cooling system on several vessels, and you can see our system in operation at our testing facility near Aarhus.

Since the establishment of B COOL in 2002, we have provided maintenance services and developed refrigeration systems, refrigeration equipment and HVAC systems on board ships and other marine installations.

B COOL serves the main world-renowned HVAC and refrigeration brands and is a certified marine dealer. We optimize your economic performance with the presence of a technical team in the main maritime centers worldwide, and also limiting environmental impacts from flying technician.

Any questions? Please don't hesitate to contact us:

Email: service@bcool.as

Phone no.: +45 8636 1929

Website: www.bcool.as