

News of December 4, 2020

Burckhardt Compression Laby® LNG boil-off gas compressors for new-built container ships to support reduction of sulphur and CO₂ emissions

To reduce sulphur and CO₂ emissions at sea, the shipping industry is pushing towards alternative fuels and liquefied natural gas (LNG) tends to become the preferred solution. Therefore, an increasing amount of new-built container ships are equipped with LNG dual fuel propulsion engines.

Burckhardt Compression won an order consisting of 8 low-pressure compressor systems for boil-off gas (BOG) management. The compressor solutions are destined for two 14'000 TEU (Twenty-foot Equivalent Units) and two 690 FEU (Forty-foot Equivalent Units) container vessels ordered by C-LNG Solutions, a Singapore-based leader in LNG fuel gas solutions and LNG cargo handling. All ships will be equipped with WinGD X-DF propulsion engines and will be built at a Chinese shipyard with the option for 16 more vessels.

Oil-Free LNG Boil-Off Gas Solutions

As the cryogenic LNG evaporates when it warms up within the vessel tanks, the occurring boil-off gas needs to be compressed. Subsequently, the compressed gas can be used as fuel for the WinGD X-DF 2-stroke propulsion engines on board. Burckhardt Compression's unique 2K70 Laby® BOG compressor system handles relatively small mass flows at cryogenic gas temperatures, without the need for BOG pre-heating. It is specifically designed for marine applications, offering high efficiency, compact design, low complexity, and easy maintenance.

Global Marine Service Provider

Burckhardt Compression's dedicated marine advisory team delivers comprehensive onboard services on demand to maximize the performance of compressor systems. A worldwide network of field service representatives ensures fast delivery and replacement of spare parts and components to ensure maximum compressor uptime and productivity.

Further information:

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About Burckhardt Compression

Burckhardt Compression is the worldwide market leader for reciprocating compressor systems and the only manufacturer and service provider that covers a full range of reciprocating compressor technologies and services. Its customized compressor systems are used in the gas gathering and processing, gas transport and storage, refinery, chemical, petrochemical as well as in the industrial gas and hydrogen mobility and energy sectors. Burckhardt Compression's leading technology, broad portfolio of compressor components and the full range of services help customers around the world to find the optimized solution for their reciprocating compressor systems. Since 1844, its highly skilled workforce has crafted superior solutions and set the benchmark in the gas compression industry.

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For further information please visit www.burckhardtcompression.com
