



HIGH-PRESSURE COMPRESSORS FOR LNG BOG MANAGEMENT

INTERMEDIATE LNG BOG STORAGE ON BUNKER SHIPS

LNG BOG MANAGEMENT AND INTERMEDIATE STORAGE

While refueling LNG-powered ships, the vapor return boil-off gas (BOG) must be handled to maintain LNG tank's pressure. The preferred and most economical way of managing the BOG is to compress and store it in high-pressure vessels located on the bunker ship, for use when it is needed as propulsion fuel.

Burckhardt Compression offers a variety of compressor solutions for BOG handling that have been specifically designed for marine applications. Our Marine High-Pressure Compressors can compress the BOG for intermediate storage.

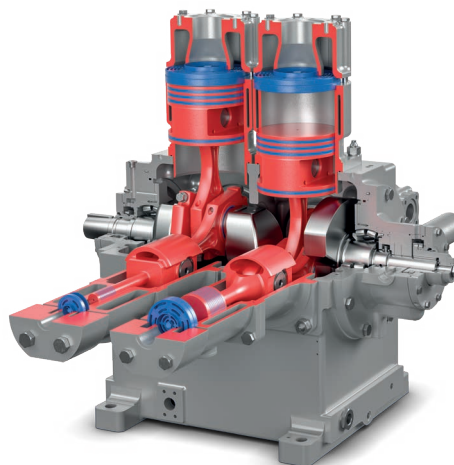
CUSTOMER BENEFITS OF MARINE HIGH-PRESSURE COMPRESSORS

- Low investment cost for Marine High-Pressure Compressor system required (attractive CAPEX)
- Gas-tight crankcase for greater safety and zero gas loss
- Possibility of installing redundant BOG-handling compressors
- Low power consumption leads to minimized operational costs (OPEX)
- Small footprint and minimum weight
- Low system complexity for easy integration
- Ship's crew can perform onboard maintenance
- Full range of after-sales services available

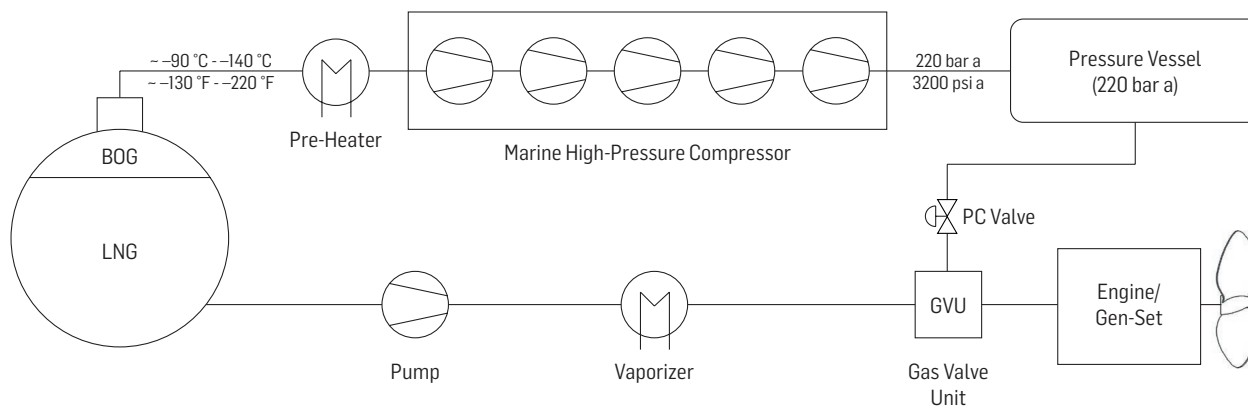
MARINE HIGH-PRESSURE COMPRESSORS – MINIMIZED NOISE AND VIBRATION

DESIGN FEATURES

- Robust marine design
- Directly driven by an electric motor
- Installed on anti-vibration mounts
- Water-cooled cylinders and gas coolers
- Integrated crankshaft-driven lube oil system
- Compliant with IMO, IGF and IGC codes
- Designed according to marine standards



PROCESS LAYOUT



TECHNICAL DATA

Type	Max. Speed rpm	Rated Power kW / hp	Mass Flow* kg/h / lbs/h	Width mm / in	Height mm / in	Length mm / in	Weight kg / lbs
MHP-C-220	1'180	350 / 470	900 / 1'985	3'250 / 128	3'150 / 124	6'700 / 264	24'700 / 54'465

*Gas composition: CH₄/N₂-85/15%. Suction pressure: 1.03 - 1.1 bar a (14.9 - 16 psi a). Gas suction temperature (pre-heated): -40 °C (-40 °F)

Burckhardt Compression

24-hour emergency tel.: +41 52 262 53 53

info@burckhardtcompression.com

www.burckhardtcompression.com