GAS COMPRESSORS

CM series for Boil-off Gas Handling on LNG Carriers
CM series for boil-off gas handling on LNG carriers or terminals

Key Advantages

- **Compact, Space Saving Arrangement**
  Small footprint allows simple onboard integration, and access for operation and maintenance.

- **Rigid Heavy-Duty Skid**
  Proper stability of the motor/compressor arrangement, for trouble-free operation.

- **High Efficiency and Performance**
  Smaller motor sizes squeeze cost and assure economic operation.

- **Advanced, Oil-Lubricated Bulkhead Seal**
  Accessibility for shaft alignment, no sealgas consumption, reliability and safe operation.

- **Integrated Local Panel**
  Cabling and tubing done in the factory thus reduced installation cost for the shipyard.

- **Process Integration with the Cargo Handling System**
  Cryostar provides a combined, well-integrated package with the Gas Heaters/Vaporizers.

- **IAS Integration**
  As an option, serial link to IAS, or fully redundant integration with selected IAS vendor.
APPLICATIONS

**FOR LNG CARRIER CARGO HANDLING EQUIPMENT**

*As High Duty compressor*
- To transfer boil-off gas to the shore during loading.
- To transfer boil-off gas to the shore during initial cooling down.
- To recirculate boil-off gas to warm-up cargo tank.

*As Low Duty compressor* to maintain the cargo tank pressure and to supply the boil-off gas to the propulsion system as fuel gas during the voyages.

**FOR LAND BASED PLANT**, as Cryogenic Blowers & Compressors, without bulkhead and designed according to API617 if required (with separate lube oil system for special purpose oil systems).

<table>
<thead>
<tr>
<th></th>
<th>$P_{in}$</th>
<th>$P_{out}$</th>
<th>Flow</th>
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<tbody>
<tr>
<td>CM 200</td>
<td>1.03 bar a</td>
<td>2.03 bar a</td>
<td>3’500 to 40’000 m³/h</td>
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<td>CM 300</td>
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<td>CM 400</td>
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