Boil-off Gas Reciprocating Compressors for LNG

Highly efficient and reliable cryogenic gas reciprocating compressors operating with an inlet temperature up to -160°C.

Technical Standard

- The experience of SIAD Macchine Impianti engineers, in terms of the service we offer our customers, has resulted in a certified standard which can be adapted to the many requirements of small, medium-sized and large industries.
- Perfect thermal isolation of the process gas ensures that heat is not transmitted from the interior to the exterior or vice-versa during compression.
- Adapts to variable working conditions (intake pressure and flow rate).
- Sector-specific know-how in the selection of critical components, including piston rings and rider rings, ensures reliable construction and reduction of maintenance operations.
- Suction and delivery valves in special steel alloy, to ensure the same mechanical characteristics of outstanding strength, durability and fatigue resistance, even at very low temperatures.
- Skid-mounted to facilitate installation and start-up.
- Specially designed for installation and maintenance in restricted spaces.
- Highly flexible control of gas flow rates and gas inlet temperature variation.
- Typical two/three stage design perfectly matches the needs of LNG services.

<table>
<thead>
<tr>
<th>Capacity Nm³/h</th>
<th>Inlet pressure bar (a)</th>
<th>Outlet pressure bar (a)</th>
<th>Number of stages</th>
<th>Installed power kW</th>
</tr>
</thead>
<tbody>
<tr>
<td>from 100 to 65 000</td>
<td>from 1 to 10</td>
<td>from 5 to 40</td>
<td>2 / 3</td>
<td>from 10 to 3 000</td>
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</tbody>
</table>

Other parameters for our Boil-off Gas Compressors are available on request

Compressors Division
Global Service Division: a complete range of services

To reduce operating costs and to maintain our compressors in conditions of maximum efficiency, SIAD Macchine Impianti offers clients a complete range of services, as well as a network of Certified Service Centers run by qualified technicians that extends across all five continents.

Activities

- Commissioning and start-up
- Field service
- Original spare parts logistics
- Maintenance contracts
- Monitoring and diagnostic
- Engineering consultancy
- Modernization and Revamping
- Training courses.

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