

# API 618 Reciprocating Compressors for Offshore applications

Compact ergonomics for confined spaces

Extensive experience with naval certifications (RINA)

Reliability thanks to an in-depth knowledge of installation conditions

Package designed to minimize maintenance times

Greater return on investment

## Industries

- FPSO
- FSRU
- LNG Carrier
- Dual-Fuel LNG Carrier
- LPG Stations
- Other Offshore Applications

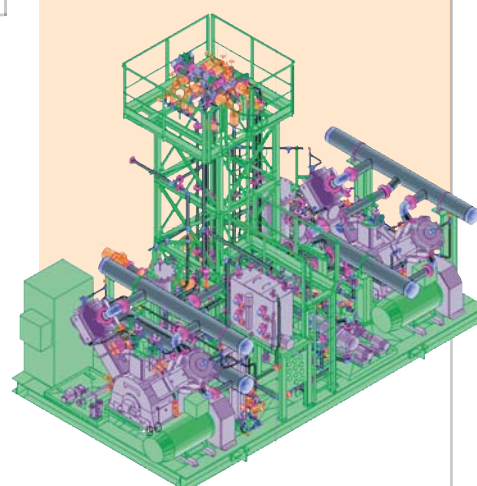
SIAD Macchine Impianti compressors for *Offshore applications* are:

- *skid-mounted* to facilitate installation and start-up operations, on offshore platforms, as well as on ship decks;
- *designed specifically* for installation and maintenance in confined spaces;
- *offer high flexibility* with regard to control of gas flow rates and variability of inlet gas temperature.

## Technical features

- Flexibility in adapting to the different operating conditions (suction pressure and capacity).

- Specific know-how in selecting critical components that guarantee machine reliability and reduce residual vibrations and maintenance work to a minimum.
- Painting system for highly corrosive environments.
- Completely oil-free compressors to guarantee the absence of oil ingress in the process gas.
- Customized design aimed at guaranteeing the compactness of the package while retaining ergonomic features and space for adequate maintenance.
- Specific design for offshore applications:
  - pulsation and vibration analysis;



- analysis of heat loads and wind;
- oil circuit designed in consideration of pitch and roll movements.
- Static calculations for installation.

## Technical Standard

- The experience of SIAD Macchine Impianti engineers, at the service of our customers, has led to the development of a certified standard that can be adapted to the many needs of small, medium and large industries.

### API 618 reciprocating compressors for Offshore applications

Inlet pressure	up to 100 bar, oil-free up to 600 bar, lubricated
Capacity	up to 90,000 m <sup>3</sup> /h
Number of stages	up to 5
Suction temperature	from -160°C
Power	up to 8,700 kW
Crankshaft speed	from 300 to 1,500 rpm



## International construction and safety standards

- API Standard 618 Fifth Edition
- NACE
- Naval certifications

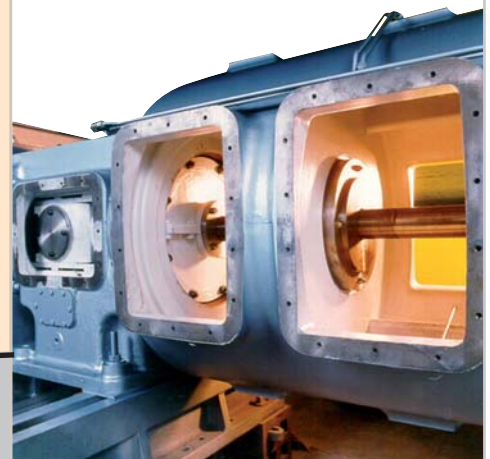
## Global Service Division: a complete range of services

To reduce operating costs and to maintain our compressors in conditions of maximum efficiency, SIAD Machine 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.

Find out more about our range of services at [www.siadmi.com](http://www.siadmi.com)



For information:  
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