

# API618 Reciprocating Compressors for Hydrogen

Several decades of experience in all industries.

Hundreds of hydrogen compressors in operation throughout the world.

SIAD Macchine Impianti compressors for *hydrogen* are:

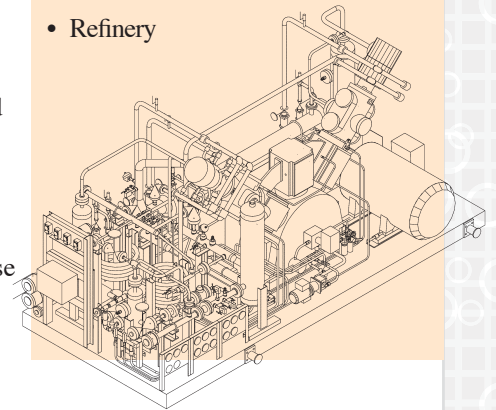
- *skid-mounted* to facilitate installation and start-up operations;
- *easy to maintain*. The design facilitates maintenance operations by the end user.

## Technical characteristics

- Piston rods specifically treated and a double distance piece to prevent the steel from *becoming brittle due to the hydrogen*.
- Packing seals with gas recovery system to prevent hydrogen leakage.
- *Purging* of the distance piece and crankcase with inert gas.
- *Use of specific materials for hydrogen* in flanges, gaskets and seals.
- *Valves specifically designed for use with hydrogen*.

## Industries

- Chemical
- Energy
- Food
- Glass
- Industrial Gas
- Petrochemical
- Refinery



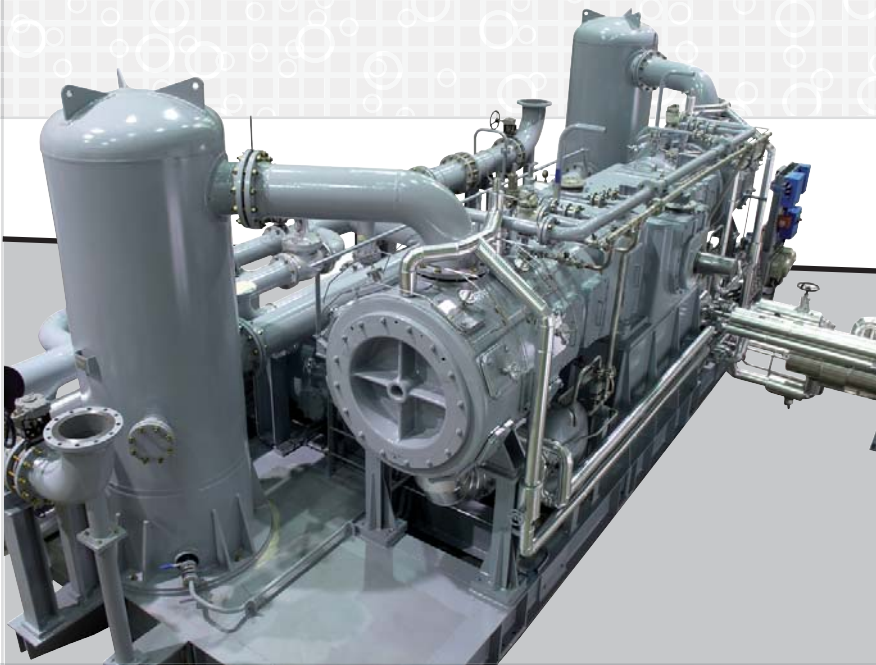
### API618 Reciprocating Compressors for hydrogen

Outlet pressure	up to 600 bar oil-free or lubricated
Capacity	up to 90 000 m <sup>3</sup> /h

## 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-size and large industries.





## International manufacturing and safety standards

- ATEX Directive 94/9/EC
- Standard API618 Fifth Edition

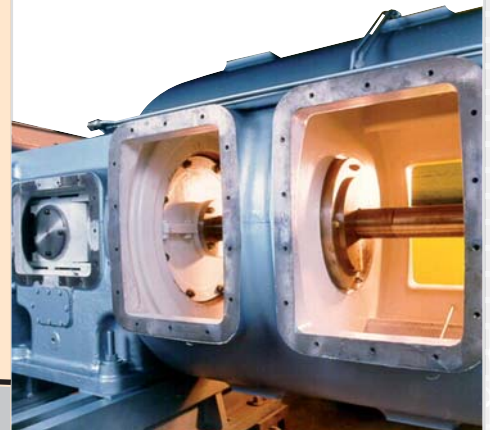
## Global Service Division: a complete range of services

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

- Original parts
- Services in the field
- Technical support
- Refurbishment and upgrade
- Engineering services:
  - analysis
  - revamping
  - monitoring-diagnostics
- Training

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



For further information:  
[siadmi\\_compr@siad.eu](mailto:siadmi_compr@siad.eu)



© 2014 SIAD Macchine Impianti S.p.A. Single-member company under the management and coordination of SIAD S.p.A. All rights reserved.

The information contained herein is offered for use by technically qualified personnel at their discretion and risk without warranty of any kind.

We regularly update our data, for updated data please visit our web site [www.siadmi.com](http://www.siadmi.com)

Printed in Italy  
174uk04/14



SIAD Macchine Impianti S.p.A. Single-member company under the management and coordination of SIAD S.p.A.

Via Canovine, 2/4  
24126 Bergamo  
ITALY

[siadmi@siad.eu](mailto:siadmi@siad.eu)  
[www.siadmi.com](http://www.siadmi.com)

Tel.  
+39 035 327611

Fax  
+39 035 316131

Share Capital euro 25.000.000 paid up - V.A.T. and Fiscal Number: IT 00228420162  
R.E.A. BG-72619 - Export: BG 006107