



**ADVANCING  
SUSTAINABILITY  
TOGETHER**

# Hydrogen Compressor Package

Energy transition is progressing more quickly every day. And hydrogen will play a major role in this transformation as a way to reduce carbon emissions, store energy and enable clean fuels. The hydrogen value chain – from the production of hydrogen, through transportation and trailer filling, to mobility – depends on efficient compression technology.



Learn more by visiting  
[www.hoerbiger.com/hcp](http://www.hoerbiger.com/hcp)  
today!



## High-flow compression and flow management solutions for hydrogen compression

Hydrogen is a key element in the green energy transition. Together with our partners, we are on a mission to deliver the most cost-efficient hydrogen compression package available. To allow wide use of hydrogen for mobility and trailer filling, equipment must evolve from small demonstration projects into industrialized and efficient solutions, enabling you to meet your total cost of ownership expectations. Reciprocating compressors play a key role in reaching this goal. At Ariel and HOERBIGER, we have the technology to enable the most economic and reliable package for high pressure hydrogen compression.



### Trailer filling

Transport and storage of hydrogen will be a central issue of the future hydrogen economy. In addition to the type of production, transport and storage, there is a need for efficient compression solutions along the entire hydrogen value chain. Our Compressor Package is tailored to enable our customers efficient transportation and storage solutions for hydrogen applications.



### Hydrogen mobility

Hydrogen mobility will play an important role in the energy transition of heavy duty vehicles such as trucks and busses. Together with Ariel, we provide a cost-efficient Compressor Package that is purposely designed to meet technical requirements of applications in hydrogen fueling station applications.

### Standardized Compressor Package solution with lowest Total Cost of Ownership

- **Built for purpose:** unique integration of compressor components and compressor design to assure best run time and highest reliability
- **Stepless capacity control system** enables operational flexibility to handle different customer applications
- **Growing system:** the flexible package grows with your needs and can handle economically feasible electrolyzer capacities between 4MW and 15MW
- The HOERBIGER compressor package enables the **fuel station of tomorrow**

LOWEST  
TOTAL COST OF  
OWNERSHIP



### Our solution

- Vertical reciprocating compressor from Ariel with 250 kg/h mass flow at 25 bar suction pressure
- 20 to 100 % mass flow regulation for operational flexibility enabled by eHydroCOM - Electric Stepless Capacity Control System (0 % is possible during shorter periods)
- Variable inlet and outlet pressures for utmost flexibility
- Turnkey solution with 30 m<sup>2</sup> footprint (50 m<sup>2</sup> incl. cooling)
- Supported by HOERBIGER's global service organization

HOERBIGER is active throughout the world in the energy sector, the process industry, the automotive industry, the mechanical engineering sector, in safety engineering, and in the electrical industry. In 2021, its 5,862 employees achieved sales of 1.119 billion euros in 131 locations across 46 countries. Our products and services are used in reciprocating compressors, gas flow control units, vehicle drives, rotating unions, explosion protection, gas-powered engines, and in automobile hydraulics.

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