



**ADVANCING
SUSTAINABILITY
TOGETHER**

HCP 500

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 about HCP 500, our engineering capabilities & safety philosophy by visiting 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

In the future hydrogen economy, efficient compressor solutions are vital along the entire hydrogen value chain. Our standardized but at the same time flexible Compressor Package empowers customers to gain the maximum out of their transportation and hydrogen storage applications with a focus on trailer filling.

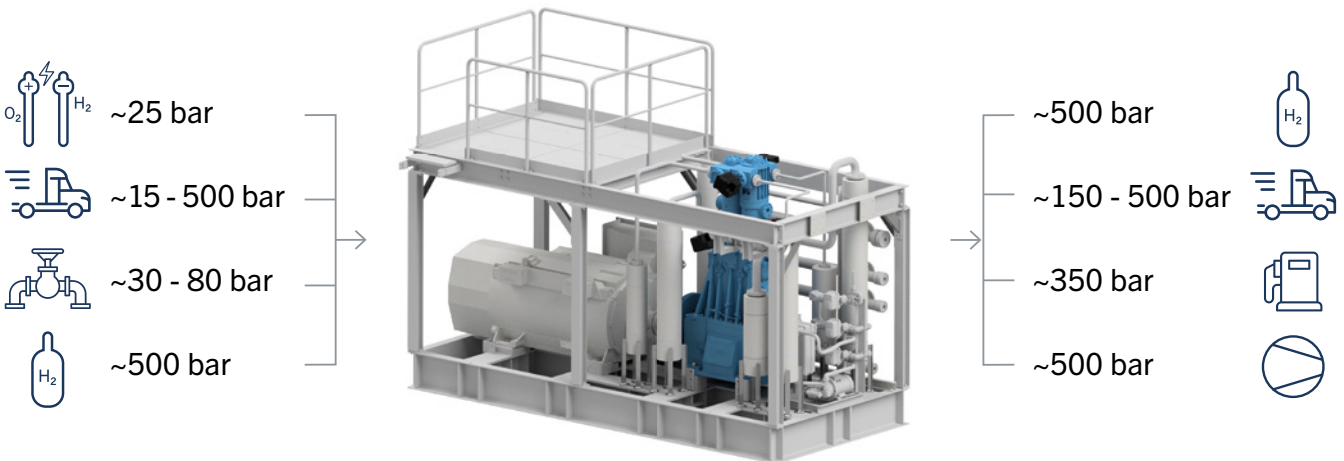


Hydrogen mobility

Hydrogen mobility is key for the decarbonization of heavy-duty vehicles. Our purpose built Compressor Package, addresses all aspects to lower the Total Cost of Ownership of hydrogen fueling station applications.

Compressor Package solution enabling the fueling station of tomorrow

- Vertical reciprocating compressor from Ariel Compression from **25 bar** suction to **500 bar** discharge at **250 kg/h**
- **0 to 100 %** technical mass flow regulation, and 30 to 100% energy efficient mass flow regulation, enabled by **eHydroCOM**, HOERBIGER's Electric Stepless Capacity Control
- **Growing system:** the flexible package grows with your needs and can handle economically feasible electrolyzer capacities between **4MW** and **15MW**
- Highly **standardized turnkey solution**, supported by HOERBIGER's **global service organization**



HCP 500 | HYDROGEN COMPRESSOR PACKAGE

LOWEST
TOTAL COST OF
OWNERSHIP

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 2022, its 5,726 employees achieved sales of 1.267 billion euros in 124 locations across 44 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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