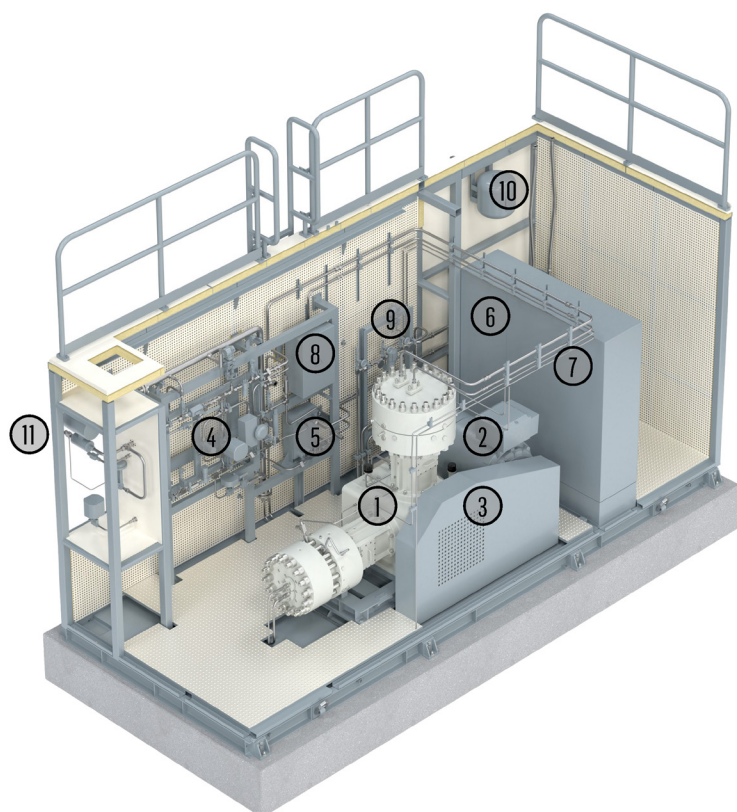


FULLY STANDARDIZED COMPRESSION SOLUTION FOR HYDROGEN TRAILER FILLING

CONTAINERIZED DIAPHRAGM COMPRESSOR UNIT MD10-L

PRE-TESTED PLUG & PLAY COMPRESSION & CONTROL SOLUTION INSTALLED IN CONTAINER



Legend:

- | | |
|----------------------------------|--|
| 1) Diaphragm compressor | 7) MCC |
| 2) Electrical main drive (motor) | 8) Remote IOs |
| 3) Transmission | 9) Lube oil system |
| 4) Process gas system | 10) Cooling water system |
| 5) Process gas heat exchanger | 11) Main system interfaces on back side of container |
| 6) Control system | |

APPLICATION DESCRIPTION

Hydrogen fuel stations for light and heavy-duty vehicles demand a large amount of hydrogen. Shipped in GH₂ trailers, the high amount of hydrogen requires compression solutions with a sufficient flow.

To serve the fast growing need of such applications, with an easy to realize compression solution, Burckhardt Compression has partnered with multiple integrators and endcustomers and developed a standardized containerized solution exactly for this application.

Diaphragm compressors are oil-free and as such a proven solution for H₂ trailer filling applications. Delivering hydrogen in the highest purity. Exactly as required by the fuelcells deployed within hydrogen powered vehicles.

YOUR BENEFITS

- Fully standardized unit including PLC
- Optimized for 2.5 MW electrolyzer capacity
- Skidded and container-installed compression solutions
- Pre-tested plug & play
- Highest hydrogen purity due to oil-free highpressure-compression according to SAE J-2719
- Leakage-free hydrogen compression
- Explosion-proof certification
- Full range of after-sales services
- Global network of local service centers



burckhardtcompression.com/hydrogen

Burckhardt Compression offers compressor solutions over the entire value chain of hydrogen for mobility and energy. Our oil-free diaphragm and piston compressors (550 bar) stand for the highest reliability and gas purity at minimal maintenance costs and energy consumption. The global network of Burckhardt Compression local service centers enables us to perform local support with quick response time, ensuring the highest uptime for your business.