



**Burckhardt
Compression**

Fully standardized compression solution for hydrogen trailer filling

Containerized diaphragm compressor unit MD10

Hydrogen fuel stations for light and heavy-duty vehicles demand a large amount of hydrogen. Shipped in GH2 trailers, the increased amount of hydrogen requires compressor systems with a sufficiently high flow. Diaphragm compressors are a proven solution for H₂ trailer filling applications.

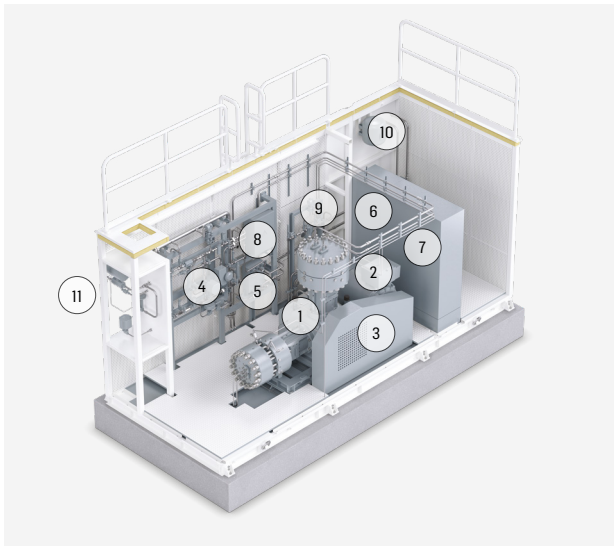
Burckhardt Compression is the global market leader in the field of reciprocating compressors. Our compressor solutions are used in the chemical, petrochemical, gas transport and storage, hydrogen mobility and energy, industrial gas, refinery and gas gathering and processing markets.

Customer benefits

- Fully standardized unit including PLC
- Optimized from 2 MW up to 10 MW electrolyzer capacity
- Skidded and container-installed compression solutions
- Pre-tested plug and play
- Highest hydrogen purity due to oil-free, high-pressure compression according to SAE J-2719
- Leakage-free hydrogen compression
- Full range of after-sales services
- Explosion-proof certification
- Global service center network

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Components of the standardized container



Diaphragm compressor MD10-L



Legends

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

MD10 capacity chart

