



COMPRESSOR SOLUTIONS FOR HYDROGEN FUEL STATIONS

OIL-FREE HIGH-PRESSURE DIAPHRAGM COMPRESSORS

APPLICATION DESCRIPTION

Hydrogen is increasingly used as a fuel in transportation because of its high energy density and environmental sustainability. Hydrogen delivery to fuel stations and vehicle fueling require a variety of different compression solutions.

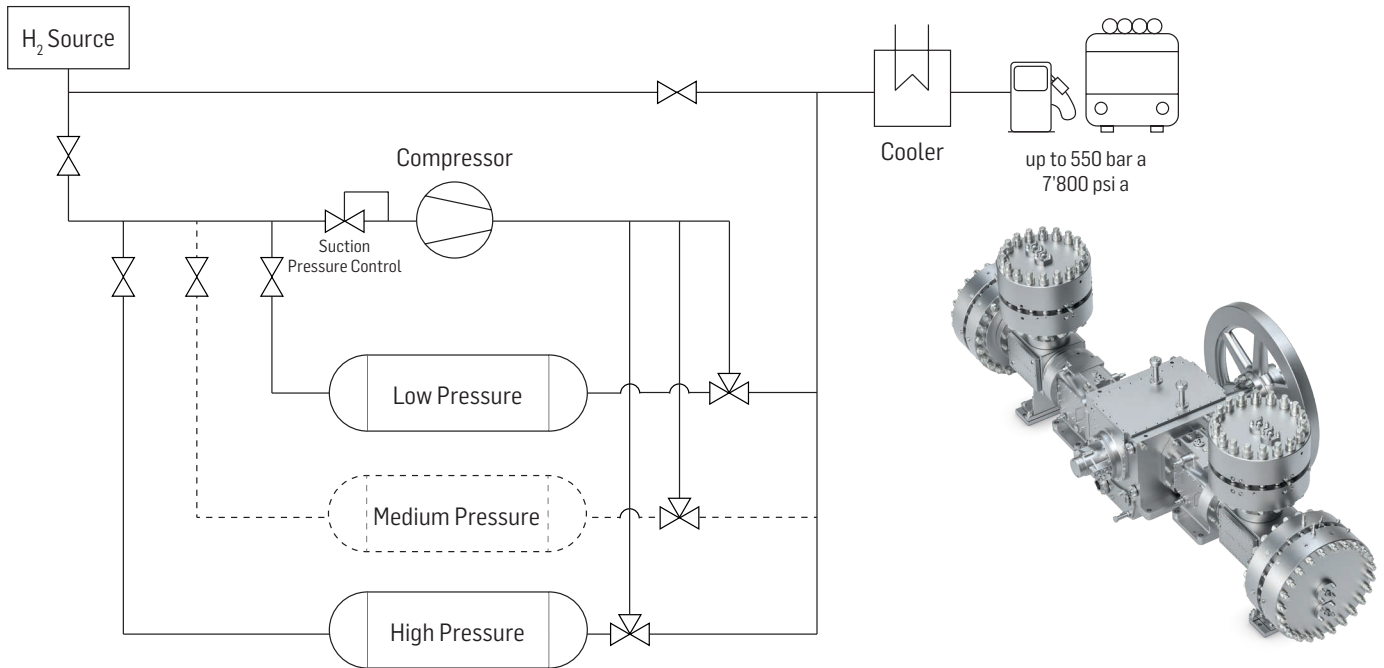
Burckhardt Compression is one of the global market leaders in the field of reciprocating compressors. Its compressor systems are used in the upstream oil & gas, gas transport and storage, refinery, chemical, petrochemical and industrial gas sectors. We offer oil-free high-pressure compressor systems maintaining hydrogen quality according to SAE J-2719.

CUSTOMER BENEFITS

- Cost-efficient compressor solution
- Oil-free high-pressure compression to meet highest hydrogen purity
- Leakage-free hydrogen compression
- Bare compressors, skidded and container-installed compression solutions
- Full range of after-sales services
- Global network of local service centers

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PROCESS LAYOUT



TECHNICAL DATA

Type	Mass Flow kg/h / lbs/h	Rated Power kW / hp	Width mm / in	Height mm / in	Length mm / in
MD10-L	44 / 97	89 / 120	2'440 / 96	2'590 / 102	6'100 / 240

Numbers based on calculation example compressor skid for bus/train/truck fuel station. Gas suction pressure: 30 bar a / 435 psi a, discharge pressure: 550 bar a / 7'800 psi a, temperature: 20 °C (68 °F)

Burckhardt Compression

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