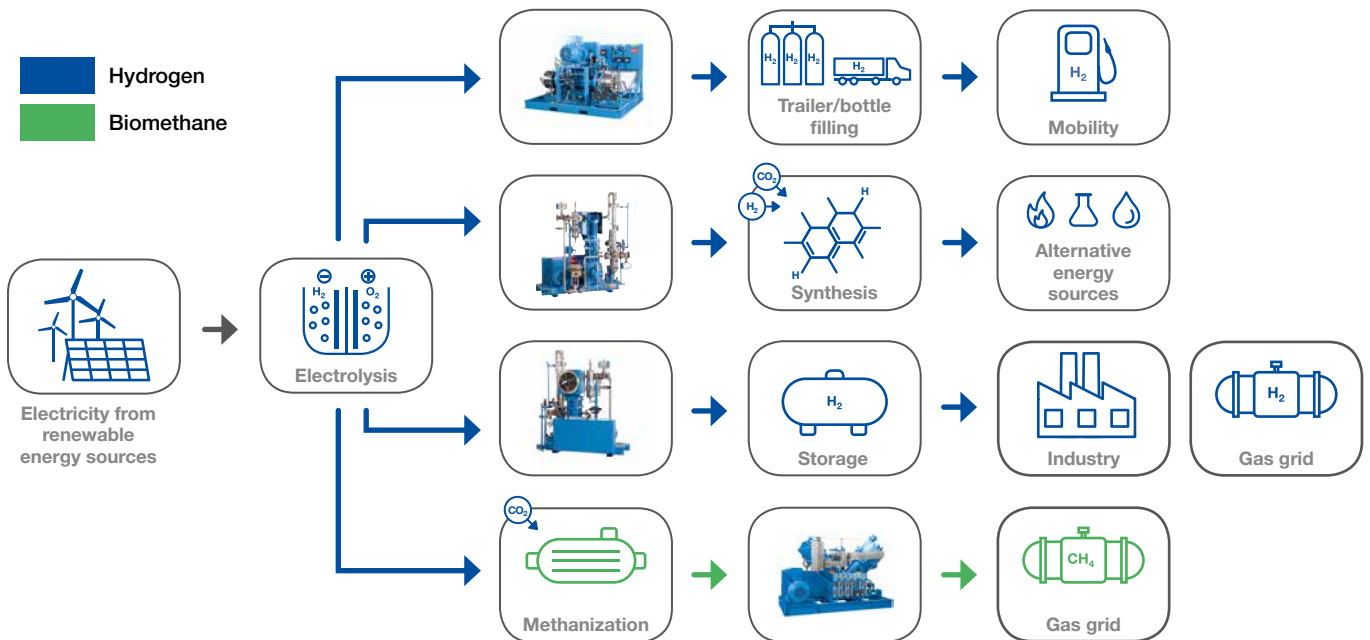




COMPETENCE IN H₂ COMPRESSION

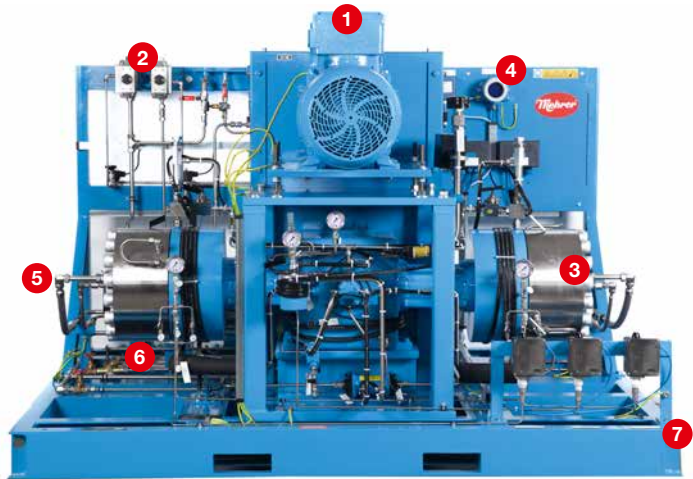
Tomorrow's Energy at High Pressure!



COMPETENCE IN H₂ COMPRESSION

Your Benefits

- No complex cleaning procedure by completely oil-free compression
- No production losses due to highest production and process reliability
- Delivery of compressor units or complete compressor systems – for final pressures of up to 1000 bar (a)
- Short delivery times despite customized system design
- Easy maintenance and global service



Your Applications

- H₂ recycling
- H₂ storage
- H₂ filling stations
- H₂ compression after electrolysis
- H₂ trailer/bottle filling
- Methanization
- Demonstration and research projects
- Compression of synthesis gases

- 1 Drive engine with frequency converter
- 2 Pneumatic shut-off-valves for system integration
- 3 Cylinder heads in stainless steel
- 4 Signal transmitters in ex-version
- 5 Gas line completely in stainless steel
- 6 Water-cooled heat exchanger in stainless steel
- 7 Base frame for isolated or stationary installation

Technical Data

Construction type	Piston and diaphragm compressors
Gas type	H ₂ , sythesis gas
Gaseous state	Dry or water saturated
Compressor cooling	Air- or water-cooled
Availability	> 97%

Compressor type	Final pressure bar (a)
TRZ 200	31
TRZ 300	31
TRZ 700	45
TVZ 900	65
TRE 400	220
TRZ 400	220
MRx / MHx 300	1000
MRx / MHx 400	1000
MRx / MHx 1300	1000