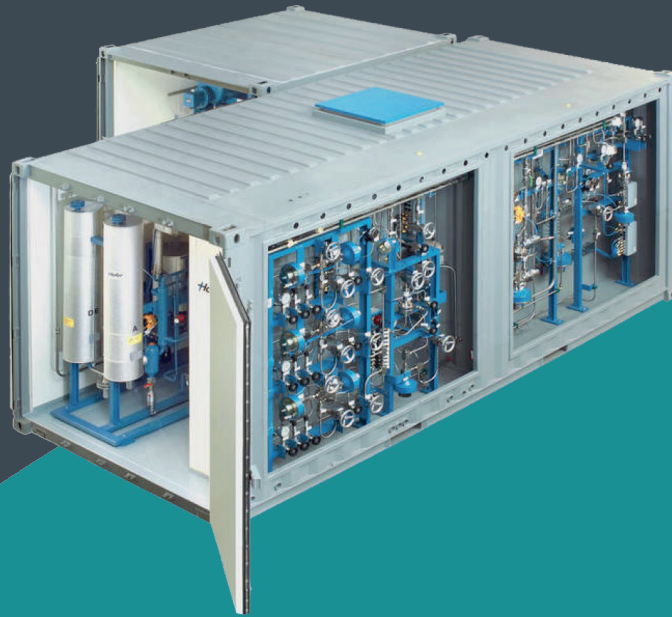




# NEUMAN & ESSER



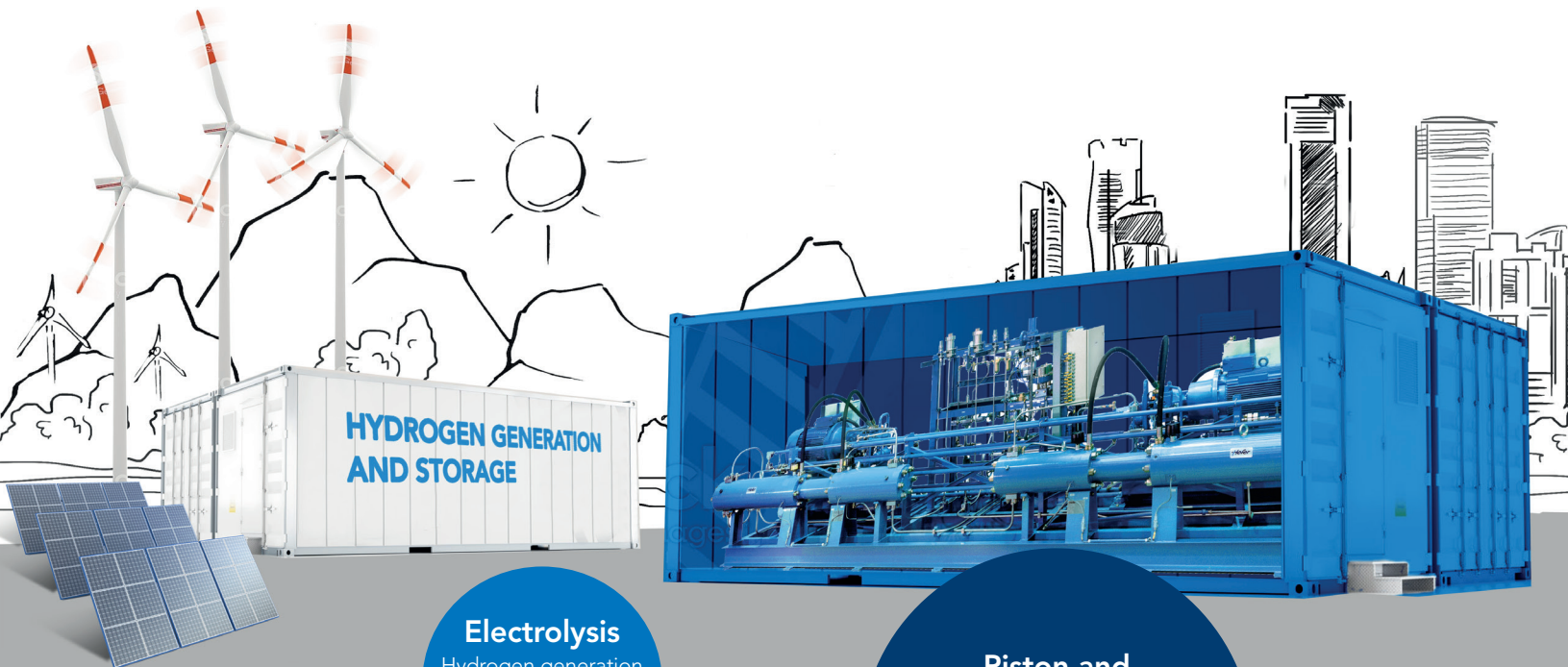
## Mobility with Hydrogen Filling Stations



# Diaphragm & TKH reciprocating compressors

## The hydrogen compressors

HOFER compressors ensure that hydrogen is compressed up to a specific pressure, so that the hydrogen delivered to the filling pumps in a gaseous status can be used for fueling. The compressors work in the compression chamber without lubrication, thus ensuring that the hydrogen remains free of impurities.



### Electricity generation

Winning renewable energy, e.g. via wind power or solar installations.

### Electrolysis

Hydrogen generation via electrolysis with subsequent storage.

### Piston and diaphragm compressors

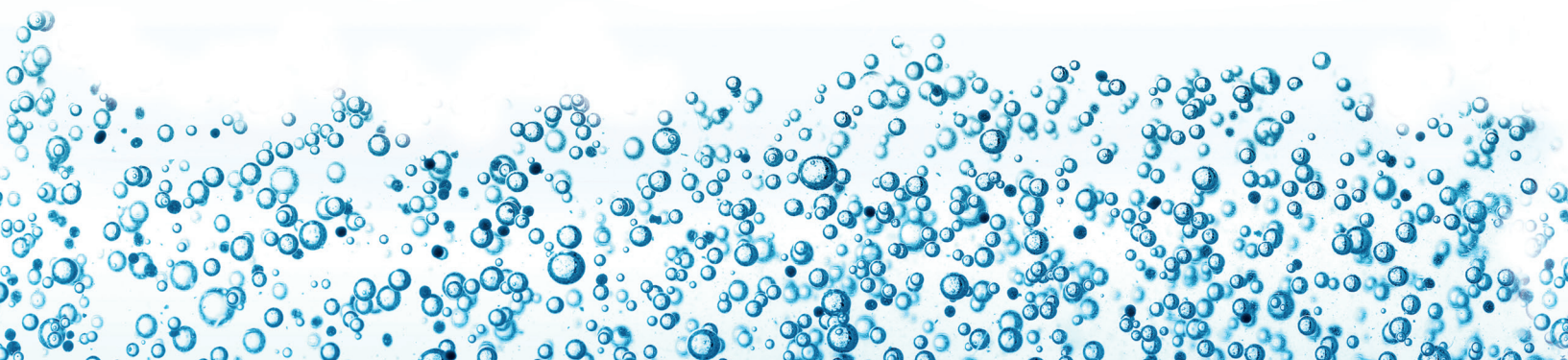
The hydrogen delivered is converted to energy at the filling station using HOFER compressors – 100% free of impurities and ready for fueling!

## Tailor-made quality from Germany

HOFER compressors are 100% made in Germany and excel with smooth running, low wear and tear, and a long service life. All compressors complete a loaded test run, during which the operating data are recorded and documented.

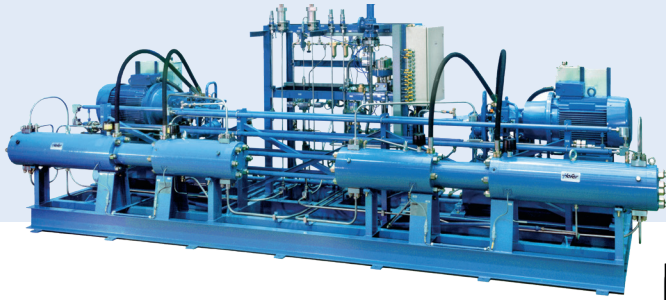
## 100% clean compression at pressures of up to 1,000 bar

HOFER compressors for hydrogen compression achieve pressures of up to 1,000 bar. No matter whether when bottling or fueling cars, buses or even trains – our compressors ensure 100% non-lube compression.



## TKH piston compressor

up to 1,000 bar discharge pressure



## Diaphragm compressor

up to 4,000 bar discharge pressure



### Buses & trucks with fuel cells

TKH piston and diaphragm compressors ensure hydrogen compression with pressures of up to 500 bar.

### Rail traffic

Hydrogen compression with pressures of up to 550 bar using TKH piston and diaphragm compressors for rail vehicles



### Fueling cars

100% non-lube compression with pressures of up to 1,000 bar with TKH piston compressors for filling stations.



### Bottling

Clean compression with pressures of up to 400 bar with diaphragm compressors for hydrogen cylinders.

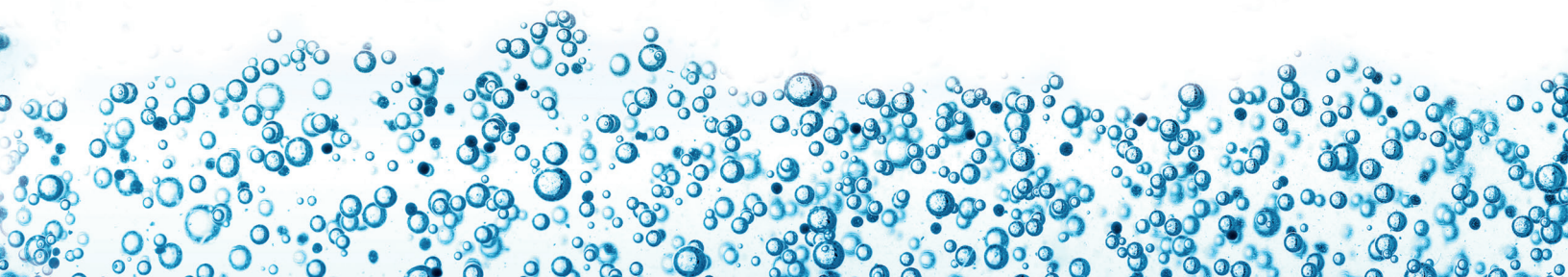


## Perfect application for hydrogen filling stations

HOFER compressors for hydrogen compression have a particularly simple construction and excel with their user-friendly maintainability. Low space requirements and foundation-free erection via mass balancing predestine the compressors for use at filling stations.

## NEAC Compressor Service, the OEM specialist

As part of the NEA GROUP, NEAC Compressor Service supports all customers worldwide with installation, commissioning, maintenance and repair services as well as the delivery of spare parts. In addition to these standard services, NEAC offers special support in the areas of modernization, machine monitoring and error diagnoses.





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