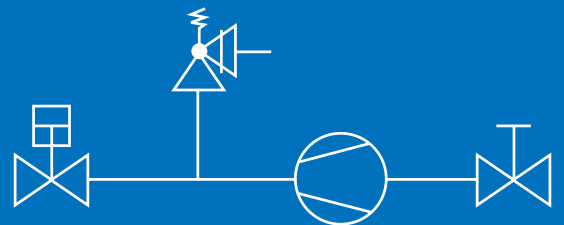




Company Profile



high tech in high pressure

*Diaphragm
Compressors*

*Piston
Compressors*

*Pressurizing
Systems*

*Valves
Fittings*

*Hofer-
Service*

*certified to
ISO 9001
by TÜV CERT*

*certified to
PED Module H
by TÜV CERT*

HOFER compressors, valves and fittings



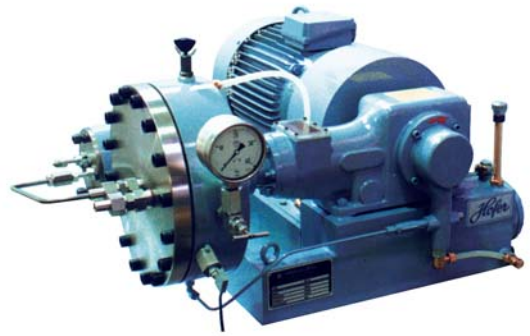
A family company with an international reputation

Since 1920, Hofer Hochdrucktechnik GmbH has developed a worldwide reputation through innovative technology and high safety standards. Diaphragm and piston compressors together with control valves and fittings from our own production facility are greatly demanded products, destined for the chemical, the petrochemical, the gas producing and the space industry. They are used in a wide variety of applications: from universities through research laboratories to production plants.

High-pressure technology on five continents

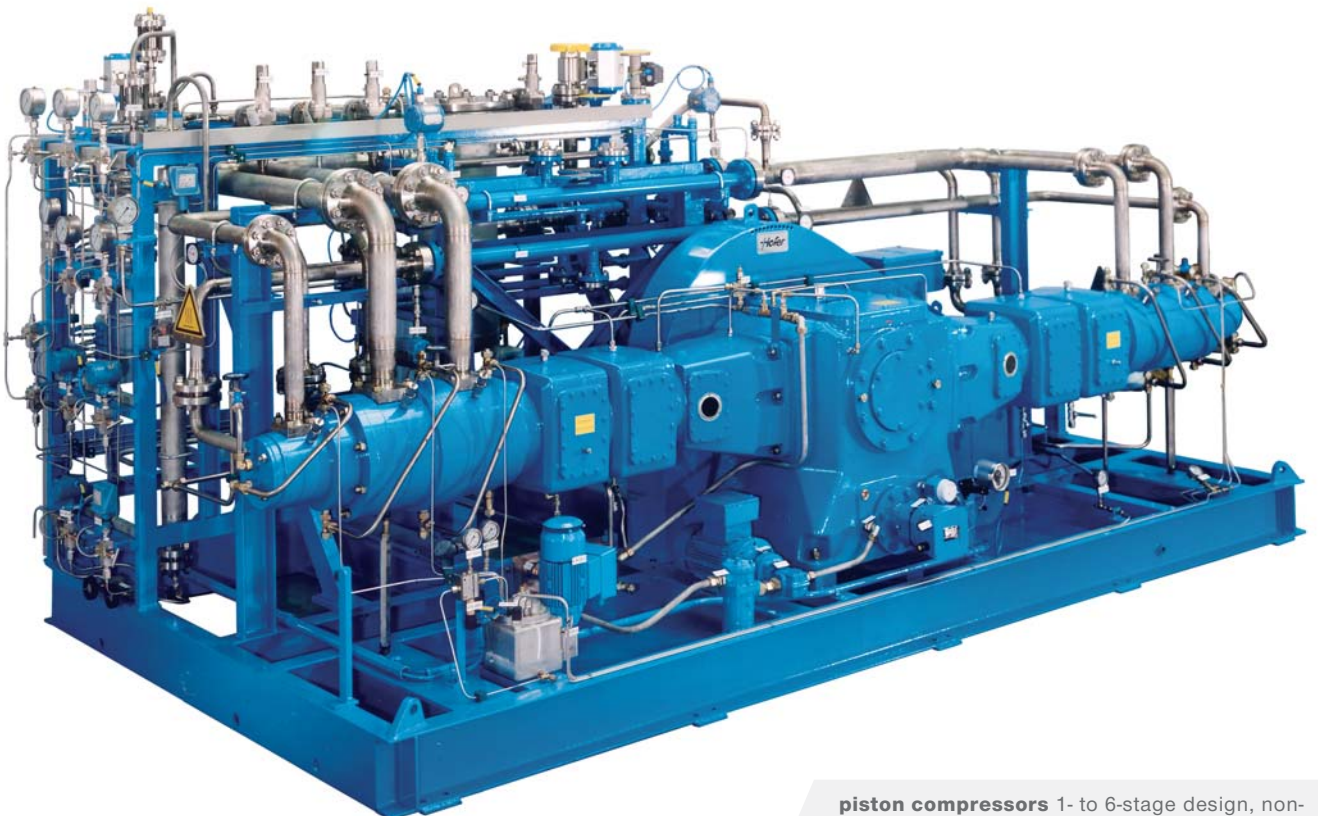
With competent distributors and partners in all European countries as well as the USA, Canada, Russia, India, China, Japan, South Africa and Australia, our presence extends to all continents. For any questions concerning high pressure gas applications and encompassing single components up to turnkey ready plants, Hofer is a highly-qualified partner capable of providing worldwide planning, project management and after-sales services.

Our compressors are fitted with high-pressure valves and fittings designed and manufactured in-house to provide



diaphragm compressors for pilot plants and for laboratory purposes, for discharge pressures from 218 psi (15 bar) up to 14.500 psi (1.000 bar)

turnkey compressor installations with a high standard of quality and long service life. In addition to our standard products, we also supply products that are individually calculated, designed and manufactured in accordance with your specifications and operating conditions. Careful quality controls throughout the entire production process guarantee that only perfect and safe products are delivered from our works.



piston compressors 1- to 6-stage design, non-lubricated (oil-free) or oil-lubricated for compression of all technical gases from 290 psi (20 bar) up to 58.000 psi (4.000 bar), if requested, with complete control for fully automatic operation.

Andreas Hofer

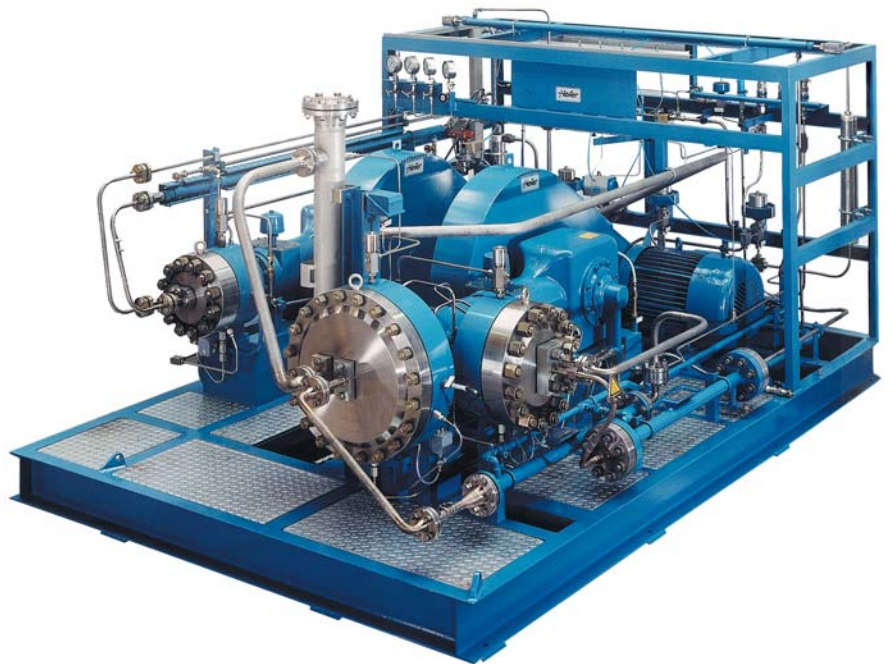
Progress based on tradition

Before the founder Andreas Hofer (1885–1932) started production of high-pressure compressors and valves on 1st of October 1920 in his own “precision mechanics and light engineering works”, he was in charge of the development and construction of high-pressure installations for coal upgrading in the Kaiser Wilhelm Institute for Coal Research (now the Max Planck Institute of Mülheim an der Ruhr). Just a few years after the company was founded, products with the Hofer trademark had already established

a worldwide reputation for their advanced design and reliability. Nowadays, Andreas Köttnitz heads the company with a workforce approaching 65 employees in the third generation. Hofer continues to be committed to ongoing technical development and well directed expansion. In early 1999, the company invested in new buildings with a modern production plant. Thereby we are ensuring that Hofer products will continue to meet increasing market expectations for the foreseeable future.



safety valves,
component-tested by TÜV,
80 psi (5,5 bar) to
15.950 psi (1.100 bar)



diaphragm compressors with triple diaphragm system for an absolutely lubricant- and abrasion-free compression of all technical gases from 145 psi (10 bar) up to 58.000 psi (4.000 bar), if requested, with complete control unit for fully automatic operation



high pressure valves, DN 2 to DN 25, 3.625 psi (PN 250 bar) to 14.500 psi (PN 10.000 bar), hand-operated or pneumatically operated, closing or opening by spring force



HOFER diaphragm compressors

HOFER diaphragm compressors are hermetically sealed to the outside. Static seals guarantee a contamination-free compression of various gases such as nitrogen, hydrogen, helium, argon, ethylene, fluorine, hydrosulphide, chlorine gas, silane, NF_3 , etc. as well as gas mixtures.

The tightness amounts to 10^{-4} mbar l/s, in special designs up to 10^{-6} mbar l/s.

Diaphragm compressors are especially recommended for operation with toxic and explosive gases because this compressor type protect persons and environment. Gases of high purity can be compressed without any impurity and without losses.

HOFER high-pressure valves

DN 2 to DN 25, 3.625 psi (PN 250 bar) to 145.000 psi (PN 10.000 bar); manually-operated or pneumatically operated, opening or closing by spring force.



Serving Industry

HOFER compressors are used in nearly every industry in which high-purity, rare, or hazardous gases are utilized.

Some specific applications are:

- PTA plants (prod. of terephthalic acid)
- Gas cylinder filling, gas blending and mixing systems
- Chemical, pharmaceutical and petrochemical plants
- Gas transfer, filling and off-loading of tube trailers
- Gases for electronics, semiconductor and fiber optics manufacturing
- Hydrogen filling stations
- Research and development
- Pressure boosting and high-pressure gas storage systems
- Space centers



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