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Fast, safe, efficient:
Modular solutions
for the gas industry



ENGINEERED BY
 **HEROSEUK**

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Maximum safety in the supply of industrial gas

As a world-leading manufacturer of valve and modules, HEROSE offers complete solutions for the industrial gas sector. For decades, our products have stood for top quality, operational reliability and efficiency, and ensure the flexible and uninterrupted operation of your installations.

With HEROSE, you reliably protect your evaporator and gas pipeline systems against excess pressure and overload, ensure precise pressure regulation, and benefit from innovative solutions which make your processes safer and more efficient.

Trust in our many years of experience, our extensive know-how and an exceptional safety record – for the smooth, economical operation of your industrial gas applications.

HEROSE facts & figures

More than
150
years of
experience



International
sales

More than
550
employees
worldwide

More than
270
module variants

Conforms to
EIGA
133/22

More than
10,000
module installations

The advantages of modules



Faster installation

Our modules include all components in one compact and mobile unit. They are fully assembled and tested prior to shipping. Like a plug-and-play device, our modules arrive on site ready to install, which takes multiple days off the installation and testing time.



Shorter lead times and less need for storage

We take care of every aspect of the ordering process for you. This significantly reduces the need for storage, as well as the cost and administration time it takes you.



Simplified and efficient purchasing

Because all your components come from a single supplier – HEROSE – the ordering process is more efficient and means that you have all parts on site when you need them.



Ease of identification and maintenance

All components are assigned a HEROSE customer parts number and shown in a P&ID. This makes it easy for your plant engineers to identify individual components.



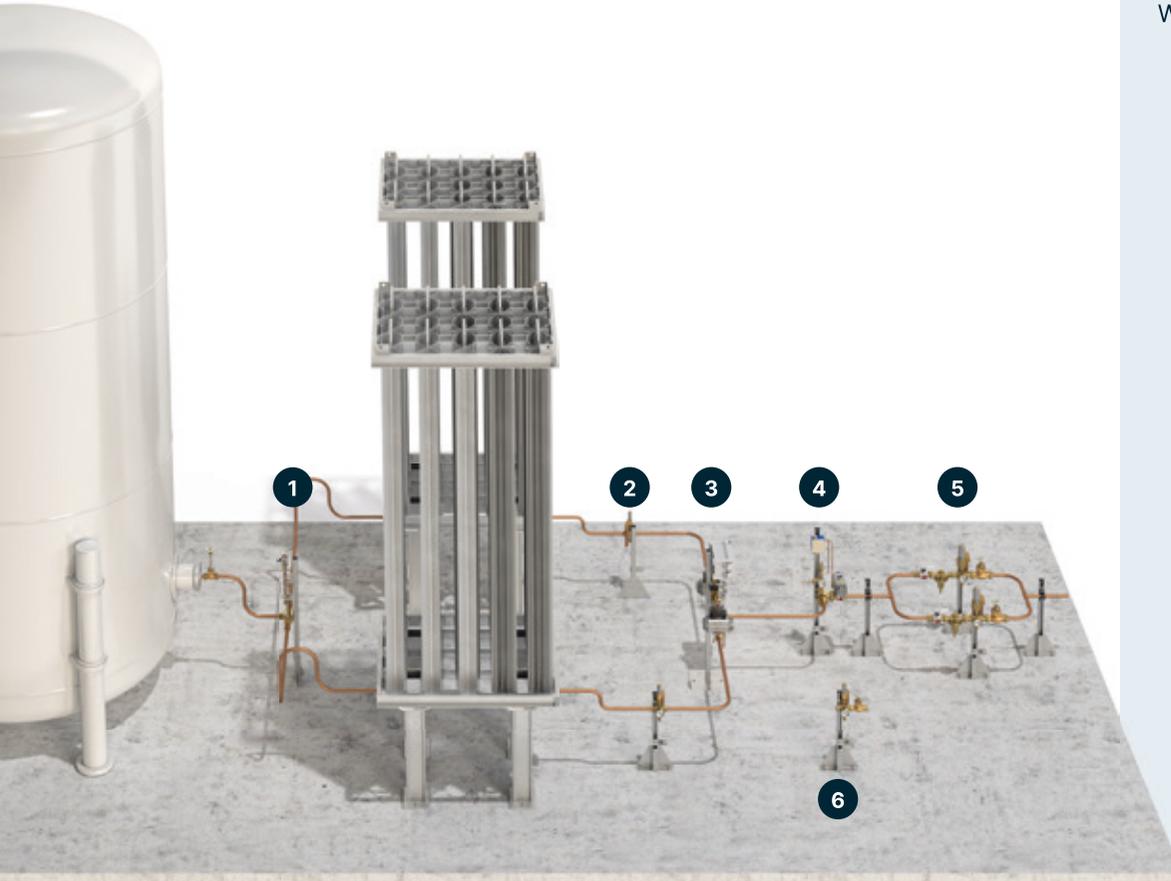
Standardised modules

Each HEROSE module is standardised. This facilitates efficient and safe installation on site by your employees. To date, more than 10,000 modules have been successfully installed.

Six core modules are available in a typical configuration for industrial gas plants:

- 1 Manual liquid changeover module
- 2 Safety valve module
- 3 Timed changeover module
- 4 Low temperature cut off module
- 5 Pressure regulating module
- 6 Safety valve module complete with globe check valve (used for single vaporiser applications)

 mark
under PED 2014/68/EU.



Manual liquid changeover module

Safe and flexible evaporator technology

The module enables one evaporator to be switched off for maintenance, while the other continues operating. A safety valve protects the pipelines against thermal expansion and is installed on a three-way ball valve for maintenance work. The gas loop ensures that nothing but gas gets into the safety valve.

Max. working pressure: 40 bar
Working temperature: -196°C to +50°C



Safety valve module

Protection and ease of maintenance for evaporators

The safety valve module is designed for gas pipeline pressure protection. It protects against excess pressure at a desired set point.

Max. working pressure: 40 bar
Working temperature: -54°C to +50°C



Timed changeover module

Automatic changeover for safe operation

After a certain length of time, there is a risk of the evaporator icing up. If this happens, heat transfer is no longer ensured. Timed changeover modules the flow between two evaporators, ensuring continuous and reliable operation.

Max. working pressure: 40 bar
Working temperature: -40°C to +50°C



Low temperature cut off module

Safe materials and switch-off in low temperatures

For cryogenic applications, either copper or stainless steel is generally used, but occasionally carbon steel. If carbon steel is used, and the temperature falls below -20°C, there is a risk of brittle fracture, which has serious consequences. In such cases – i.e. overload – the system automatically switches off.

Max. working pressure: 40 bar
Working temperature: -50°C to +50°C



Pressure regulating module

Pressure regulation for safe use

This module reduces the pressure at the customer's point of delivery. While welding operations generally work with 6 bar, other applications require lower pressures. The pressure out of the tank is normally in excess of 10 bar. The regulator kit safety valve is used to safely handle the regulator's maximum fault flow.

Max. working pressure: 40 bar
Working temperature: -34°C to +50°C



Safety valve module complete with globe check valve

Protection and ease of maintenance for evaporators (used for single vaporiser applications)

Protects the evaporator against overload and prevents excessive pressure from system flow. A shut-off feature facilitates maintenance by completely cutting off inflow. A check valve ensures that no medium gets into the evaporator on the inlet side.

Max. working pressure: 40 bar
Working temperature: -54°C to +50°C

