

Do you have a **question** about **our products?**

Our experts will advise you and let you know how
HEROSE valves can be used ideally in your application.

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Contact

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High-Pressure Globe Valve **TYPE 01C07**



SAFE. TIGHT. RELIABLE.

Our solution for your application

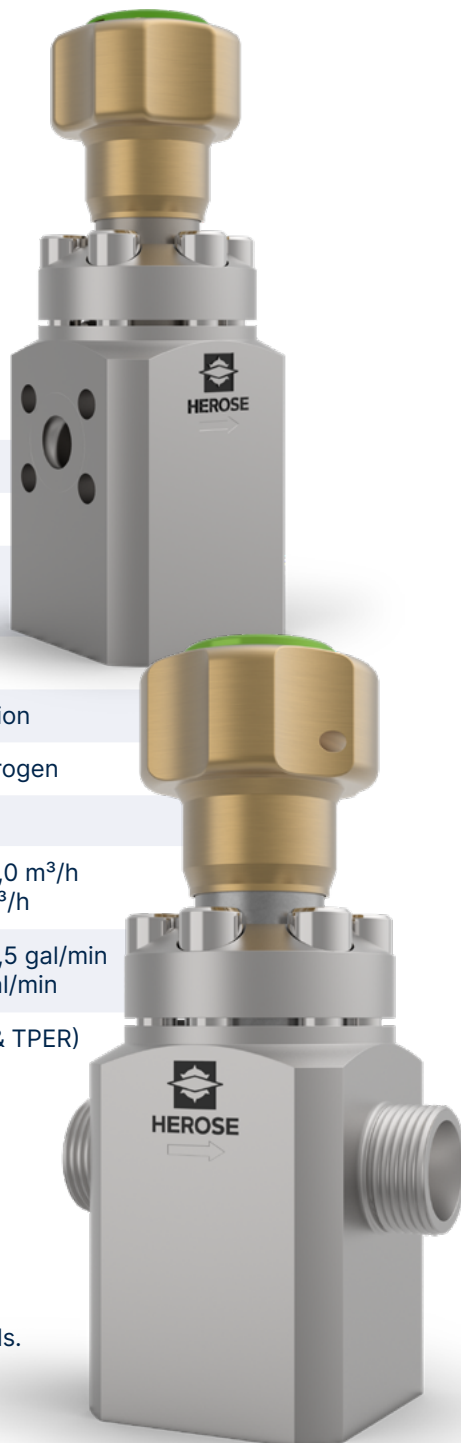
- › Transportable pressure vessels for industrial gases
- › Transport of high-pressure gases in MEGCs and tube trailers

Technical details

Size	DN15
Operating pressure (p_w)	500 bar at 15 °C
Permissible operating temperature	−40 °C to +65 °C
Material	Stainless steel
Variants	Flange, cone connection
Approved media	Hydrogen, helium, nitrogen
Versions	Manual operation
K_{vs}-value	Unloading of trailer: 3,0 m³/h Filling of trailer: 3,2 m³/h
C_v-value	Unloading of trailer: 3,5 gal/min Filling of trailer: 3,7 gal/min
Certifications	EN ISO 10297 (TPED & TPER)

Available accessories

With our connection kit, you can customise our valve to suit your specific system. All connection kits include hydrogen-compatible seals.



Your benefits at a glance

Our high-pressure globe valve was developed for gaseous hydrogen applications where pressure safety and leak-tightness pose particular challenges.

Tested with hydrogen

Hydrogen tightness has been confirmed across the entire temperature range. The use of hydrogen-resistant materials is guaranteed, and all non-metallic materials have been tested for explosive decompression.

Simple and ergonomic operation

The low torque and ergonomic design of our handwheel allow you to open and close the valve without significant effort. Easy to operate, hard to beat.

Position indicator

Our position indicator shows you at a glance – via a red display – whether the valve is closed or open.

High level of tightness for various gases

We meet the leak-tightness requirements of EN ISO 10297. These have also been verified for hydrogen and helium. To ensure maximum safety, we conduct leak testing during production using a choice of test gases – tailored to your specific requirements.

High-flow rate

To ensure efficiency during filling and unloading, our valves achieve optimal flow rates. Efficiency and reliability without compromise.

High robustness

Our valve has been tested through 10,000 full pressure operating cycles. High-level durability.

