

- VALVES AND COMPONENTS FOR GAS
- CRYOGENIC AND HIGH-PRESSURE ENGINEERING
- AEROSPACE, MARINE AND ENERGY INDUSTRY



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**PRESS RELEASE**  
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STÖHR ARMATUREN specializes in the design and manufacture of valves for industrial gases, chemical and pharmaceutical industry, for applications in aerospace, marine engineering and energy engineering as well as in research institutes. Temperatures from +250 °C to - 271 °C, pressure up to 420 bar, leak-tightness, corrosive or toxic media and fast shutter and opening times are exemplary for the extreme demands of our customers for STÖHR products. The actuator of our fittings can be operated manually as well as pneumatic, hydraulic, magnetic or electric driven.

Our standard product range comprises a variety of globe or control valves, check valves, pressure relief valves and filters in different body types with diameters up to DN250. Our valve bodies are made from a single piece of stainless or special steel and are sealed with bellows. There are variations available for the connections as well as for surface treatment. Additionally, there are special designs for specific customer requirements in terms of temperature range, pressure range, life cycle extension, or relating to the use of special materials.

More information can be found on our website [www.stoehr-valves.de](http://www.stoehr-valves.de). Please send us your questions by email to [info@stoehr-valves.de](mailto:info@stoehr-valves.de) or call us!

## STÖHR ARMATUREN – VALVES FOR THE EXTREMES



STICKS



UNIVERS



BALANS



AXIUS



ELLIPS



BLASTS

## New globe valve LOCKS from STÖHR for the transport of hazardous goods

The European Convention on the Carriage of Hazardous Goods by road (ADR) contains special rules for road transport in terms of packaging, freight securing and identification of hazardous goods. Amongst others, the ADR rules the classification of goods to be transported as hazardous goods and their associated security measures, the construction of containers, tanks and vehicles for transport as well as their multimodal transport (road - train, boat or plane).

So far, not all transports of hazardous goods were covered by the ADR such as the transport of rocket fuel in space industry. Therefore it was targeted to develop a universal globe valve leading to a lower-cost solution due to subsequent series production instead of specific valve developments. In addition, transports can be insured due to the new certification. STÖHR ARMATUREN in cooperation with its development partner ASTRIUM\*, the leading European space company, as initial customer and operator developed the valve series LOCKS complying with TPED (EU directive on transportable pressure equipment), ADR, RID (rail) and IMDG (maritime). Also requirements of the clean air act (TA Luft) are met.

The development is completed and the valve is currently in the certification process for the approval of the Pi mark for 2013. While valve sales for applications for various transportable rocket fuels will be made by ASTRIUM, the globe valve for all other caustic, toxic or explosive liquids can be obtained from STÖHR ARMATUREN. The valve will be available as cylinder, straight-through or angle valve. Various end connections will be available.

STÖHR products have already been approved for transport of hazardous goods since 1988, so the company has a long track record in this field. The LOCKS demonstrator is shown on the VALVE WORLD 2012 on stand A82 in hall 3 of STOEHR ARMATUREN.



### Leistungsdaten von LOCKS

Temperature	- 40 up to + 65°C
Maximum operating pressure at tank	30 bar
Nominal size	DN10
Test pressure	TP 36 bar

\* ASTRIUM as leading European company in space industry is dedicated to the development and construction of spacecraft and their drive components. In the context of space missions, rocket fuels classified as hazardous goods are used, their storage and transport are subject to the European environmental, labor and transport regulations. For further information, please see <http://www.astrium.eads.net/en/who-is-astrium/>.

## COMPANY INFORMATION

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### Note on Safety

The STÖHR product catalogue, checklists, our sales staff and our sales representatives will assist in identifying and selecting valves for your requirements. The selection of a specific valve type as well as its proper installation, commissioning, operation and maintenance is, however, in the responsibility of the system designer and the user. Valve function, type of sealing, material compatibility, operating pressure, operating temperature and the system environment must be taken into account.

### Disclaimer

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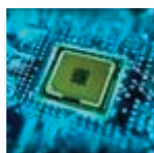
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GASES



CHEMISTRY



ELECTRONICS



ENERGY



NAVAL



AEROSPACE