

News

Product News STICKS 900S

Lower heat input by reduced mass of the valve body STICKS 900S contributes to increasing the performance of the cryogenic plant.

The widely used series STICKS of STOEHR ARMATUREN for use in vacuum-insulated lines has gained another product advantage in addition to its attractive insert concept. **The cryogenic valve with nominal diameters of DN15 and DN25 in the pressure range up to 25 bar (PN25) was optimized by shaping the valve body** and thus by reducing the overall mass. Mass reduction was achieved for the nominal diameter of DN15 at about 45 g (-30%), and for DN25 up to 370 g (-40%). This advantage is significant especially for use at applications of liquid helium.

This mass reduction not only facilitates the assembly of STICKS, but also reduces the heat input into the overall system. The formation of gas is reduced by minimized time for cooling down of the cryogenic system. The valve is therefore ideal for applications of liquid helium (LHe).

Also manufacturers for vacuum-insulated lines benefit from the new housing design since using the STICKS series now allows smaller tube diameters which reduces cost significantly.

The cryogenic valve series STICKS with insert concept thus continues to represent an attractive product for plant construction and plant operation.

STICKS – cryogenic valve series with compatible insert concept

STICKS series from STOEHR with insert concept has the advantage of a functional change without interfering with the vacuum line - retroactively, smoothly and inexpensive.

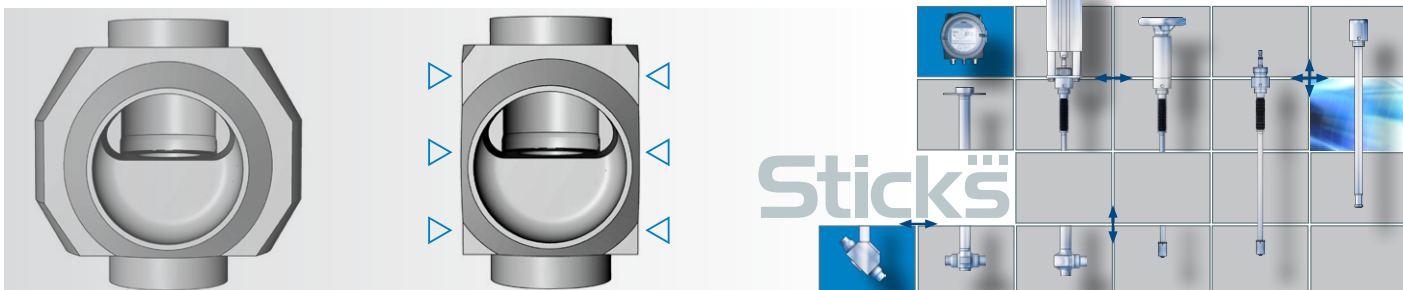
The STICKS valve series is designed for durability and compatibility. The insert concept allows fast and simple replacement of the entire deployment at all times in an unpressurized state. For example, a manual shut-off valve can be converted by exchange into a pneumatic valve as well as into a control valve or a check valve, virtually without interruption and consequential costs.

STICKS means quality in every detail, reliability, integration and flexibility.

The streamlined body of STICKS 900S is available for ordering as of March 2013.

Please ask for STEP data files for inclusion into you drawings at info@stoehr-valves.de, or phone +49 8231 3490-0.

Furthermore, STOEHR ARMATUREN will consult on materials, sealings and actuation concepts by its technical sales specialists.



: High-mass valve body (straight-through flow type)

: Lean valve body (straight-through flow type)

STÖHR ARMATUREN is a specialized company with more than seventy years of experience in design and manufacturing of high-performance valves for technical gases, especially in cryogenics. With its product lines UNIVERS, STICKS, FREES, AXIUS, BALANS and ELLIPS, STOEHR provides valves for temperature ranges from cryogenic to hot valves for clean air as well as toxic gases, oxidizing or corrosive media.