

## High-temperature ball valves with various setup and actuator options

Our new HSO series ball valves cover a wide range of applications in the chemical industry. In the standard version the ball seats that come in direct contact with the transported medium are made of RTFE or stainless steel. They are characterized by high material resistance to changing media and therefore offer a wide range of applications and protection of the highest degree when working with hazardous media.



*Ball valve series HSO with actuator options*



*Ball valve series HSO with RTFE seat*



*Ball valve series HSO with RTFE seat and dead man's handle*



*Ball valve series HSO with RTFE seat and pneumatic actuator*



*Ball valve series HSO with RTFE seat and stem extension*



*Ball valve series HSO with stainless steel seat and stem extension*

In the metallic stainless-steel version, the HSO series ball valves are particularly well suited for use in applications with both low temperatures down to  $-46\text{ }^{\circ}\text{C}$  and high temperatures up to  $454\text{ }^{\circ}\text{C}$ . With their high temperature suitability, these ball valves are the ideal shut-off valve, for example in processes with thermal oils, in heat tracing of columns and pipelines, or in plants where hot process media are used.

### **Multi-part construction with an assembly interface according to ISO 5211**

The special feature of the HSO series is the mounting interface according to ISO 5211, which allows a cost-effective, modular assembly of optional hand levers, stem extensions and actuators. Combinations of options can also be realized after consultation with our technical specialists, for example a stem extension with dead man's lever, a stem extension with actuator, etc. With the standardized interface, it is also possible to combine the ball valves of the HSO series with components of other manufacturers. Due to the multi-part compact design and the lack of assembly bridges, these ball valves are also particularly easy to maintain.

A stem extension of 100 mm, which is especially suitable for high temperatures, can be offered for the series HSO, so that the ball valve can also be used and operated in insulated pipe systems. For use in critical applications or for systems, where contact with toxic or hazardous media is required, Hy-Lok D offers a spring-loaded dead man's handle, or pneumatic rotary actuators for automated processes.

In the RTFE ball seat design Hy-Lok D Series HSO ball valves meet the EN ISO 15848-1 (TA-Luft) standard. Further versions according to Fire Safe API 607 / API 608 or NACE MR0175 are available on request.

**Technical Data**

Hy-Lok D Ball Valves HSO Series

**Pressure:**

RTFE-Seat up to 138 bar (2000 psig)

Stainless steel seat up to 155 bar (2250 psig)

**Temperature:**

RTFE-Seat From -20 °C up to 232 °C (-4 °F to 450 °F)

Stainless steel seat From 46 °C up to 454 °C (-50 °F to 850 °F)

**Body:** Stainless steel 316

**End connection:** 1/2" to 1 " parallel ISO female thread

## For the editorial offices

### About Hy-Lok D

The Hy-Lok D Vertriebs GmbH is the exclusive sales and service partner of the Hy-Lok Corporation (South Korea) in Germany, Austria and Switzerland in the areas of pipe connections (fittings), valves and gas supply systems for fluid technology.

Hy-Lok D serves customers in the fields of pipeline and plant construction, chemical and petrochemical industry, semi-conductor industry, energy and power plant technology, analytics as well as oil and gas industry and is organized regionally. The company is headquartered in Oyten near Bremen.

Further information is available at [www.hy-lok.de](http://www.hy-lok.de) .

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### About Hy-Lok Corporation South Korea

Since its founding in 1977, Hy-Lok has become a world leader in the production of fluid power components. Through years of experience and continuous research and development, Hy-Lok today supplies the world market for gas and liquid instrumentation, including a wide variety of piping materials and hose systems. With years of hands-on experience, Hy-Lok has evolved as a supplier of turnkey fluid power systems for use in all industries around the world. Customers are provided with an extensive knowledge of the accumulated technical background.

For more information, please visit  
<http://english.hy-lok.com/Index.hylok> .