

Flexible interfaces in plant engineering

Modular angle seat valve VZXA – individually adaptable

Flexible, robust and offering high performance – the angle seat valve VZXA from Festo controls media flows quickly and reliably up to 230 °C. Its carefully thought-out product design and patented interface enable valve bodies and actuators to be freely combined, with a hot-swap function for quickly exchanging actuator or other spare parts.

Different actuators and valve bodies can be combined for easy integration into the application. Individual, function-tested modules simplify the replacement of actuators during conversion or maintenance. The patented sealing system ensures it is both leak-proof and durable.

Simple installation

The unique interface between the modules means that the actuators can be replaced without opening the piping. The simple separation of valve bodies and actuators makes it easier and faster to install the valves in pipelines. As a result, in areas that are hard to access, the actuators can be mounted on the valve body at the end of an assembly task.

The spindle seal is in the form of a cartridge. It comprises a stainless-steel sleeve with a preloaded chevron packing seal and can therefore be replaced simply and reliably without the need for a special-purpose tool.

Sturdy materials

The angle seat valve VZXA comprises an angle seat valve body, a piston or diaphragm drive and a visual position indicator. The flow-optimised valve body made of stainless steel is available in the nominal widths DN15 – DN65. The variant with threaded connection is available; clamp connections and weld-ends in accordance with American and European standards are planned.

The stainless-steel actuator is available in three sizes and with the control functions NC (normally closed), NO (normally open) and DA (double-acting). The maximum operating pressure, depending on nominal width, is up to 30 bar. The large visual position indicator is fitted as standard. Thanks to the transparent cover made of polyethersulfone (PES), using the valve in chemically aggressive environments does not pose a problem.

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Valve blocks in the tyre industry

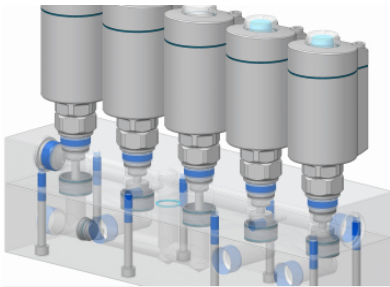
The additional interface between the actuator and the process valve allows a customised block to be fitted with VZXA angle seat valves. Customised blocks save space and can thus be fitted into very tight spaces. Open/closed positions can be sensed using process data or mechanical feedback. Blocks also make it possible to handle flows of multiple media such as steam, nitrogen or a vacuum.

Press Images



VZXA angle seat valve series

Flexible, sturdy and offering high performance – the angle seat valve VZXA from Festo controls media flows quickly and reliably.



Safety block with angle seat valves VZXA

Save space and prevent leakages using several angle seat valves type VZXA in a safety block.

About Festo

Festo is a global player and an independent family-owned company with headquarters in Esslingen am Neckar, Germany. Festo has set standards in industrial automation technology and technical education ever since its establishment, thereby making a contribution to sustainable development of the environment, the economy and society. The company supplies pneumatic and electrical automation technology to 300,000 customers of factory and process automation in over 35 industries. Digitalization, AI and the LifeTech sector with medical technology and laboratory automation are becoming increasingly important. The products and services are available in 176 countries. With about 20,600 employees in over 250 branch offices in around 60 countries worldwide, Festo achieved a turnover of around €3.45 billion in 2024. More than 8% of this turnover is invested in research and development. In this learning company, 1.5 % of turnover is invested in basic and further training. Festo Didactic SE is a leading provider of technical education and training and offers its customers worldwide comprehensive digital and physical learning solutions in the industrial environment.