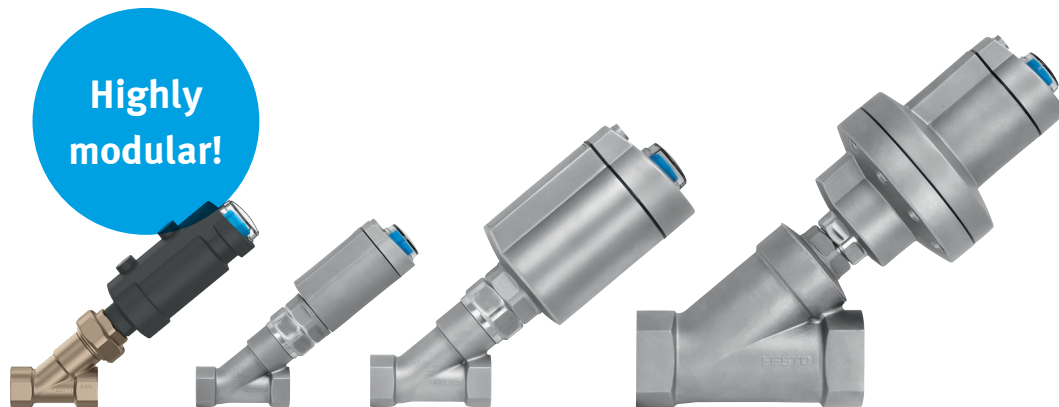


# Angle seat valve VZXA

FESTO



## Flexible in use

### Highlights

- Robust and easy-to-clean process valve
- The actuator can be replaced without opening the piping (unpressurised)
- 2/2-way valve in DN13 (1/2") ... DN65 (2 1/2")
- Actuator modules as piston or diaphragm actuator: single or double-acting
- Temperature of medium -60 ... 200 °C.
- Freely combinable: actuator made of stainless steel or polymer and valve body made of stainless steel or brass.

The VZXA easily adapts to the task in hand thanks to its range of variants, thus maximising flexibility and minimising the effort involved in designing your application. The carefully thought-out product architecture means valve bodies and actuators can be freely combined. The modular product concept makes it easier to modify and maintain systems without having to remove the entire valve.

### Extremely flexible, easily expandable

Different actuators and valve bodies can be combined for easy integration into the application. Individual, function-tested modules simplify replacement in the case of expansion or maintenance. This unique interface between the actuator and the valve body means that the actuator can be replaced without opening the piping. The patented seal system prevents the operating medium from leaking out.

### Robust and powerful

Its long service life, robust design and high flow rate make the VZXA ideal for highly viscous media, liquids, gases or vapours.

### Clean design

Made of stainless steel, the VZXA is quick and easy to clean inside and out as it has virtually no dead spaces. The compact and sturdy stainless steel unit can also withstand harsh ambient conditions, aggressive cleaning foams or vapour. The encapsulated modules stop the operating medium getting into the actuator.



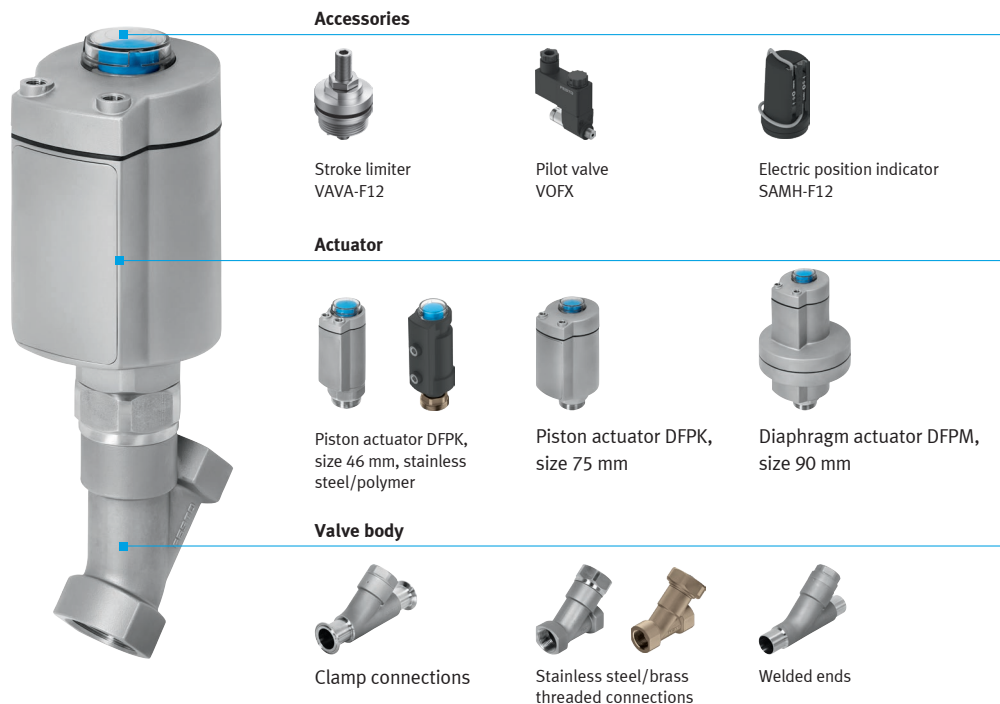
SIL certified  
according IEC 61508

# Angle seat valve VZXA

## For maximum modularity: the smart product architecture

The process valve series VZXA is based on a carefully thought-out product architecture, with the valve body, actuator and accessories as self-contained and tested functional units. They can be freely combined thanks to standardised interfaces.

The concept of the angle seat valve VZXA allows the modules to be combined as necessary to meet different customer needs and requirements. This provides you with maximum variation and flexibility – and minimises the effort involved in designing your application.



### Technical data

Actuator	Piston actuator DFPK		Diaphragm actuator DFPM
Size [mm]	46	75	90
Function	Normally closed (NC), Normally open (NO), Double actuated (DA)		Normally Closed (NC), Normally Open (NO)
Housing material	Polymer	Stainless steel casting 1.4408 (ASTM A351-CF8M)	
Operating pressure [bar]	5 ... 10		
Supply port	1/8"		
Approval (Ex)	Stainless steel casting: ATEX II 2GD; polymer: none		
Valve body	VZXA		
Function	Externally controlled angle seat valve		
Gland packing seal	PTFE		
Operating pressure [bar]	-0,9 ... 30		
Media viscosity [mm <sup>2</sup> /s]	Up to max. 600		
Stainless steel casting 1.4409 (ASTM A351-CF3M)			
Connection type	Threaded connection: ANSI B 1.20.1, DIN ISO 228, DIN 10226 Clamp connection: ASME BPE (type A and B), DIN 32676 (series A and B) Welded connection: ASME BPE, DIN EN ISO 1127, DIN 11850 R2		
Sizes	½" (DN13), ¾" (DN20), 1" (DN25), 1 ¼" (DN32), 1 ½" (DN40), 2" (DN50), 2 ½" (DN65)		
Stem poppet seal	PTFE (T), modified PTFE (TP)		
Temperature of medium [°C]	-10 ... 180 (PTFE spindle washer – T), -30 ... 200 (mod. PTFE spindle washer – TP), -60 ... 100 (on request)		
Brass CuZn21Si3P (lead-free)			
Connection type	Threaded connection: ANSI B 1.20.1, DIN ISO 228, DIN 10227		
Sizes	½" (DN13), ¾" (DN20), 1" (DN25), 1 ¼" (DN32)		
Stem poppet seal	PTFE (T)		
Temperature of medium [°C]	-10 ... 180 (PTFE spindle washer – T)		