

Angle seat valve VZXA

FESTO



Flexible in use

Highlights

- Modular
- Robust and easy-to-clean stainless steel 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

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 with its easy-to-clean design 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

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.



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For maximum modularity: the smart product architecture

The process valve series VZXA is based on a carefully thought-out architecture, with the valve body and the actuator modules 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.



Indicator



Optical position indicator

Actuator



Piston actuator DFPK,
size 46 mm



Piston actuator DFPK,
size 75 mm



Diaphragm actuator DFPM,
size 90 mm

Valve body



Clamp connections



Threaded connections



Welded ends

Technical data

Actuator	Piston actuator DFPK		Diaphragm actuator DFPM
Size	46 mm	75 mm	90 mm
Function	Normally closed (NC) Normally open (NO) Double actuated (DA)		Normally closed (NC) Normally open (NO)
Housing material	Stainless steel casting 1.4408 (ASTM A351-CF8M)		
Material for position indicator cap	Polyethersulfone (PES)		
Operating pressure	5 ... 10 bar (72 - 145 psi)		
Supply port	1/8"		
Optical position indicator as standard			
Valve body	VZZA		
Function	Externally controlled angle seat valve		
Sizes	1/2" (DN13), 3/4" (DN20), 1" (DN25), 1 1/4" (DN32), 1 1/2" (DN40), 2" (DN50), 2 1/2" (DN65)		
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
Operating pressure	0 ... 30 bar (0 - 435 psi)		
Media viscosity	Up to max. 600 mm ² /s		
Temperature of medium	-10 ... 180 °C / 14 ... 356 °F (PTFE spindle washer)		
Housing material	Stainless steel casting 1.4409 (ASTM A351-CF3M)		
Seat seal	PTFE		
Stem seal	PTFE		
Approval (Ex)	ATEX II 2GD		