

# angle seat valve VZXA

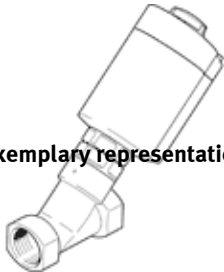
Part number: 3539410

★ Core product range

FESTO

Modular, pneumatically actuated angle seat valve in stainless steel for demanding applications such as steam, hot water.

Exemplary representation



## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Design structure	Poppet valve with piston actuator Poppet valve with diaphragm actuator
Type of actuation	pneumatic
Assembly position	Any
Mounting type	Line installation
Line connection	G $\frac{1}{2}$ threaded collar to DIN ISO 228 G $\frac{3}{4}$ threaded collar to DIN ISO 228 G1 threaded collar to DIN ISO 228 G1 $\frac{1}{4}$ threaded collar to DIN ISO 228 G1 $\frac{1}{2}$ threaded collar to DIN ISO 228 G2 threaded collar to DIN ISO 228 G2 $\frac{1}{2}$ threaded collar to DIN ISO 228 Threaded coupling 1/2 NPT to ANSI/ASME B 1.20.1 Threaded coupling 3/4 NPT to ANSI/ASME B 1.20.1 Threaded coupling 1 NPT to ANSI/ASME B 1.20.1 Threaded coupling 1 1/4 NPT to ANSI/ASME B 1.20.1 Threaded coupling 1 1/2 NPT to ANSI/ASME B 1.20.1 Threaded coupling 2 NPT to ANSI/ASME B 1.20.1 Threaded coupling 2 1/2 NPT to ANSI/ASME B 1.20.1 RC $\frac{1}{2}$ threaded collar to DIN 10226 RC $\frac{3}{4}$ threaded collar to DIN 10226 RC1 threaded collar to DIN 10226 RC1 $\frac{1}{4}$ threaded collar to DIN 10226 RC1 $\frac{1}{2}$ threaded collar to DIN 10226 RC2 threaded collar to DIN 10226 RC2 $\frac{1}{2}$ threaded collar to DIN 10226
Valve function	2/2
Flow direction	non reversible
Pressure of medium	0 ... 3 MPa
Medium pressure	0 ... 30 bar
Type of reset	mechanical spring
Type of piloting	With external control
Pneumatic connection	Female thread G1/8
Operating pressure MPa	0.5 ... 1 MPa
Operating pressure	5 ... 10 bar 72.5 ... 145 psi
Medium	Vapour Mineral oil-based hydraulic oil Inert gases Mineral oil Water

Feature	Value
	Filtered compressed air, degree of filtration 200 µm Neutral fluids
Flow direction	Above valve seat, for gaseous media Below valve seat, for gaseous and liquid media
Control of the medium	On/off operation
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Max. viscosity	600 mm <sup>2</sup> /s
Medium temperature	-30 ... 200 °C
Ambient temperature	0 ... 60 °C
Flow rate Kv	4.6 ... 77.9 m <sup>3</sup> /h
Outdoor use	C1 - weather protected locations of use
Materials note	Conforms to RoHS
PWIS conformity	VDMA24364 zone III
Material process valve housing	Stainless steel casting Brass
Material number, process valve housing	1.4409 ASTM A351-CF3M CW724R
Material seals	FPM NBR
Material spindle seal	PTFE
Material seat seal	PTFE PTFE, modified
Product weight	1,096 ... 10,700 g
Authorisation	CRN
CE mark (see declaration of conformity)	to EU directive pressure devices to EU directive explosion protection (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions UK regulation for pressure equipment
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
Certificate issuing department	TÜV 968/V 1039.01/20
ATEX category Gas	II 2G
ATEX category Dust	II 2D
Explosion ignition protection type Gas	Ex h IIC T6...T3 X
Explosion ignition protection type Dust	Ex h IIC T80°C...T200°C X
Explosion-proof ambient temperature	0°C ≤ Ta ≤ +60°C
Safety Integrity Level (SIL)	SIL 2
Probability of Failure per Hour in [1/h].	1.36E-07
PFD (Probability of Failure on Demand)	5.95E-04
Actuator size	46 ... 90 mm
Stroke	17 ... 26 mm
Control function	Closed via reduced spring force, NC double-acting Opened via spring force, NO Closed via spring force, NC
Position detection	With mechanical indicator
Material drive housing	Stainless steel casting PA-reinforced
Material number, actuator housing	1.4408
Storage temperature	-10 ... 60 °C
Protection class	IP65 IP67
Material piston rod	High alloy steel, non-corrosive
Material cover	Stainless steel casting PA-reinforced