

Angle seat valve VZXA

Part number: 3539410

FESTO



Data sheet

Feature	Value
Structural design	Poppet valve with piston actuator Poppet valve with diaphragm actuator
Actuation type	Pneumatic
Mounting position	Any
Type of mounting	Line installation
Cable connection	Threaded sleeve G1/2 as per DIN ISO 228 Threaded sleeve G3/4 as per DIN ISO 228 Threaded sleeve G1 as per DIN ISO 228 Threaded sleeve G1 1/4 as per DIN ISO 228 Threaded sleeve G1 1/2 as per DIN ISO 228 Threaded sleeve G2 as per DIN ISO 228 Threaded sleeve G2 1/2 as per DIN ISO 228 Threaded sleeve 1/2 NPT as per ANSI/ASME B 1.20.1 Threaded sleeve 3/4 NPT as per ANSI/ASME B 1.20.1 Threaded sleeve 1 NPT as per ANSI/ASME B 1.20.1 Threaded sleeve 1 1/4 as per ANSI/ASME B 1.20.1 Threaded sleeve 1 1/2 as per ANSI/ASME B 1.20.1 Threaded sleeve 2 NPT as per ANSI/ASME B 1.20.1 Threaded sleeve 2 1/2 as per ANSI/ASME B 1.20.1 Threaded sleeve RC1/2 as per DIN 10226 Threaded sleeve RC3/4 as per DIN 10226 Threaded sleeve RC1 as per DIN 10226 Threaded sleeve RC1 1/4 as per DIN 10226 Threaded sleeve RC1 1/2 as per DIN 10226 Threaded sleeve RC2 as per DIN 10226 Threaded sleeve RC2 1/2 as per DIN 10226
Valve function	2/2
Flow direction	Non-reversible Above valve seat, for gaseous media Under valve seat, for gaseous and liquid media
Medium pressure	0 MPa...3 MPa 0 bar...30 bar
Reset method	Mechanical spring
Type of control	Externally controlled
Pneumatic connection	Internal thread G1/8
Operating pressure	0.5 MPa...1 MPa 5 bar...10 bar 72.5 psi...145 psi

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Medium	Vapor Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquids
Control of the medium	On/off mode
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Max. viscosity	600 mm ² /s
Temperature of medium	-30 °C...230 °C
Ambient temperature	0 °C...60 °C
Flow rate Kv	4.6 m ³ /h...77.9 m ³ /h
Use in exterior area	Weather-protected locations class C1 based on IEC 60654-1
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364 zone III
Valve housing material	Cast stainless steel Brass
Material number, fitting housing	1.4409 ASTM A351-CF3M CW724R
Seals material	FPM NBR
Spindle seal material	PTFE
Product weight	1096 g...10700 g
Certification	CRN
CE marking (see declaration of conformity)	as per EU pressure equipment directive as per EU explosion protection directive (ATEX)
Explosion prevention and protection	Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX)
UKCA marking (see declaration of conformity)	according to UK regulations for pressure equipment acc. to UK EX instructions
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
Safety integrity level (SIL)	SIL 2
PFH	1.36E-07
PFD	0.000595
Actuator size	46 mm...90 mm
Stroke	17 mm...26 mm
Control function	Closed by reduced spring force, NC Double-acting Opened by spring force, N/O Closed by spring force, NC
Position sensing	With mechanical indicator
Drive housing material	Cast stainless steel PA-reinforced
Material number, drive housing	1.4408
Storage temperature	-10 °C...60 °C
Degree of protection	IP65 IP67
Piston rod material	High-alloy stainless steel
Cover material	Cast stainless steel PA-reinforced