

Angle seat valve

VZX-A-TS7-1 1/2"-M2-V14T-16-M-90-26-PR-V4

FESTO

Part number: 8060524



Data sheet

Feature	Value
Design	Poppet valve with diaphragm actuator
Type of actuation	Pneumatic
Mounting position	optional
Type of mounting	In-line installation
Line connection	Threaded coupling 1 1/2 NPT to ANSI/ASME B 1.20.1
Valve function	2/2
Flow direction	Non-reversible
Medium pressure	0 MPa...1.6 MPa 0 bar...16 bar
Type of reset	Mechanical spring
Type of piloting	Externally controlled
Pneumatic connection	Female thread G1/8
Operating pressure	0.5 MPa...0.7 MPa 5 bar...7 bar 72.5 psi...101.5 psi
Medium	Vapour Inert gases Filtered compressed air, grade of filtration 200 µm
Direction of flow	Above valve seat, for gaseous media
Control of medium	On/off operation
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Max. viscosity	600 mm ² /s
Media temperature	-10 °C...180 °C
Ambient temperature	0 °C...60 °C
Flow rate Kv	47.4 m ³ /h
Outdoor applications	Weather-protected application areas Class C1 based on IEC 60654-1
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364 zone III
Material process valve housing	Stainless steel casting
Material number process valve housing	ASTM A351-CF3M
Material seals	NBR

Feature	Value
Material spindle seal	PTFE
Material seat seal	PTFE
Product weight	7275 g
Approval	CRN
Explosion protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Certificate issuing authority	TÜV 968/V 1039.01/20
Safety Integrity Level (SIL)	SIL 2
Probability of Failure per Hour (PFH)	1.36E-07
Probability of Failure on Demand (PFD)	0.000595
Size of drive	90 mm
Stroke	26 mm
Control function	Closed via reduced spring force, N/C
Position detection	Via mechanical indicator
Material drive housing	Stainless steel casting
Material number drive housing	1.4408
Storage temperature	-10 °C...60 °C
Degree of protection	IP65 IP67
Material piston rod	High-alloy stainless steel
Material cover	Stainless steel casting