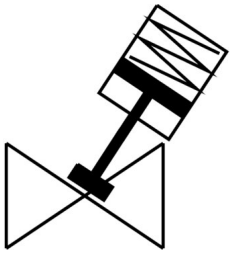
Angle seat valve
VZXA-A-TS6-13-M2-V13T-16-K-46-17-PR-V4

Part number: 8060513



General operating condition

Data sheet

Feature	Value
Design	Poppet valve with piston drive
Type of actuation	Pneumatic
Mounting position	Any
Type of mounting	Inline installation
Line connection	Threaded coupling G1/2 to DIN ISO 228
Valve function	2/2
Flow direction	Non-reversible
Medium pressure	0 MPa ... 1.6 MPa
Medium pressure	0 bar ... 16 bar
Type of reset	Mechanical spring
Type of piloting	Externally actuated
Pneumatic connection	Female thread G1/8
Operating pressure	0.5 MPa ... 1 MPa
Operating pressure	5 bar ... 10 bar
Operating pressure	72.5 psi ... 145 psi
Symbol	00995586
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 mm²/s
Media temperature	-10 °C ... 180 °C
Ambient temperature	0 °C ... 60 °C
Flow rate Kv	6.6 m³/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	Cast stainless steel
Material number process valve housing	1,4409
Material seals	Fluoro rubber
Material spindle seal	PTFE

Feature	Value
Material seat seal	PTFE
Product weight	1096 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-7
Probability of Failure on Demand (PFD)	5.95E-4
Size of drive	46 mm
Stroke	17 mm
Control function	Closed via reduced spring force, N/C
Position detection	Via mechanical indicator
Material drive housing	Cast stainless steel
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	Cast stainless steel