Angle seat valve VZXA-B-TS7-2 1/2"-M2-V14T-5.6-M-90-26-V4 Part number: 8060554

FESTO





General operating condition

Data sheet

And the control of the medium	Feature	Value
Mounting position Any Expe of mounting Line installation Threaded sleeve 2 1/2 as per ANSI/ASME B 1.20.1 Alve function 2/2 Mon-reversible Medium pressure O MPa 0,56 MPa Medium pressure O Mechanical spring Externally controlled Penematic connection Internal thread G1/8 Operating pressure O 5 bar 7 MPa Operating pressure O 5 bar 7 MPa Operating pressure Oper	Structural design	Poppet valve with diaphragm actuator
Experimenting Cable connection Cable Control Cabl	Actuation type	Pneumatic
Threaded sleeve 2 1/2 as per ANSI/ASME B 1.20.1 Valve function 2/2 Non-reversible Medium pressure 0 MPa 0.56 MPa Medium pressure 0 bar 5.6 bar Reset method Mechanical spring Externally controlled Peneumatic connection Internal thread 61/8 Operating pressure 0.5 MPa 0,7 MPa Deprating pressure 7.5 psi 101.5 psi Operating pressure Operating pressure 7.5 psi 101.5 psi Operating pressure Wapor Hydraulic fluid based on mineral oil Inner gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquids Under valve seat, for gaseous and liquid media On/off mode Operating medium On/off mode Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Max. viscosity	Mounting position	Any
Alve function 2/2 Flow direction Non-reversible Non-reversible OMPa 0.56 MPa Medium pressure OMPa 0.56 MPa Medium pressure OMPa 0.56 MPa Reset method Mechanical spring Repet method Mechanical spring Repet method Tournout Externally controlled Preumatic connection Internal thread G1/8 Departing pressure O.5 MPa 0.7 MPa Departing pressure S bar 7 bar Departing pressure 72.5 psi 101.5 psi Departing pressure 72.5 psi 101.5	Type of mounting	Line installation
Medium pressure Mechanical spring Mechanical spr	Cable connection	Threaded sleeve 2 1/2 as per ANSI/ASME B 1.20.1
Medium pressure O MPa 0.56 MPa Medium pressure O bar 5.6 bar Mechanical spring Externally controlled Preumatic connection Internal thread 61/8 Operating pressure O.5 MPa 0.7 MPa Operating pressure Operating pressure 5 bar 7 bar Operating pressure 72.5 psi 101.5 psi Osymbol Medium Vapor Hydraulic fluid based on mineral oil linert gas Mineral oil water Filtered compressed air, 200 µm filter mesh Neutral liquids Flow direction Under valve seat, for gaseous and liquid media Control of the medium On/off mode Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Max. viscosity 600 mm²/s Femperature of medium On °C 180 °C Ambient temperature O °C 60 °C Tow rate Kv 77.9 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1 Note on materials RoHS-compliant VDMA24364 zone III	Valve function	2/2
Medium pressure Reset method Reset method Mechanical spring Externally controlled Pneumatic connection Internal thread G1/8 Operating pressure Operating pressure Operating pressure Operating pressure 7.2.5 psi 101.5 psi Operating pressure Operating pressure 7.2.5 psi 101.5 psi Operating pressure Operating pressure 7.2.5 psi 101.5 psi Operating pressure Vapor Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquids On/off mode Operating medium On/off mode Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Max. viscosity Gom ma²/s Femperature of medium On C 180 °C Ambient temperature O °C 60 °C 77.9 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1 Note on materials RoHS-compliant VDMA24364 zone III	Flow direction	Non-reversible
Reset method Mechanical spring Type of control Externally controlled Peneumatic connection Internal thread G1/8 Operating pressure O.5 MPa 0.7 MPa Operating pressure Operating pressure Operating pressure T2.5 psi 101.5 psi Operating pressure Operating pressure Operating pressure T2.5 psi 101.5 psi Operating pressure Operating pressure T2.5 psi 101.5 psi Operating pressure Operating pressure Operating pressure T2.5 psi 101.5 psi Operating pressure Operating pressure Operating pressure Operating pressure Tyapor Hydraulic fluid based on mineral oil Intert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquids Operating medium On/off mode Operating medium On/off mode Operating medium On/off mode Operating medium On/off mode Operating medium On material On mm²/s Itemperature of medium In 0 °C 180 °C Omm²/s Itemperature of medium On °C 180 °C Ommanument Operating medium On °C 180 °C Operating medium On on materials Operating medium On	Medium pressure	0 MPa 0.56 MPa
Externally controlled Pneumatic connection Internal thread G1/8 Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure T2.5 psi 7 bar Operating pressure Operating pressure T2.5 psi 101.5 psi Operating pressure Operating pressure Operating pressure T2.5 psi 101.5 psi Operating pressure Operating medium On/off mode Operating medium On on materials Operating medium Operating medium On on materials Operating medium Op	Medium pressure	0 bar 5.6 bar
Preumatic connection Internal thread G1/8 Operating pressure Operating fluid based on mineral oil linert gas Mineral oil linert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquids Flow direction Under valve seat, for gaseous and liquid media On/off mode Operating medium On/off mode Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Max. viscosity Femperature of medium -10 °C 180 °C Ambient temperature O °C 60 °C Flow rate Kv 77.9 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1 Note on materials RoHS-compliant VDMA24364 zone III	Reset method	Mechanical spring
Derating pressure Departing pressure Departing pressure Departing pressure Testing pressure Departing pressure Testing pressure Tes	Type of control	Externally controlled
Departing pressure Departing pressure Departing pressure T2.5 psi 101.5 psi Departing pressure Tapor Vapor Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquids Tontrol of the medium Departing medium Departing medium Compressed air as per ISO 8573-1:2010 [7:4:4] Max. viscosity Tapor Ta	Pneumatic connection	Internal thread G1/8
Deparating pressure 72.5 psi 101.5 psi 00995582 Medium Vapor Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 μm filter mesh Neutral liquids Flow direction Under valve seat, for gaseous and liquid media Control of the medium On/off mode Deparating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Max. viscosity Femperature of medium 10 °C 180 °C Ambient temperature 0 °C 60 °C Flow rate KV 77.9 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1 Note on materials RoHS-compliant AMS (PWIS) conformity	Operating pressure	0.5 MPa 0.7 MPa
Symbol 00995582 Medium Vapor Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 μm filter mesh Neutral liquids Flow direction Under valve seat, for gaseous and liquid media Control of the medium On/off mode Deparating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Max. viscosity 600 mm²/s Temperature of medium -10 °C 180 °C Ambient temperature 0 °C 60 °C Flow rate Kv 77.9 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1 Note on materials RoHS-compliant Vapor Hydraulic fluid based on mineral oil Inert gas M	Operating pressure	5 bar 7 bar
Wedium Vapor Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 μm filter mesh Neutral liquids Flow direction Under valve seat, for gaseous and liquid media Control of the medium On/off mode Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Max. viscosity 600 mm²/s Temperature of medium -10 °C 180 °C Ambient temperature 0 °C 60 °C Flow rate Kv 77.9 m³/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	Operating pressure	72.5 psi 101.5 psi
Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquids Flow direction Under valve seat, for gaseous and liquid media Control of the medium On/off mode Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Max. viscosity 600 mm²/s Femperature of medium -10 °C 180 °C Ambient temperature 0 °C 60 °C Flow rate Kv 77.9 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1 Note on materials RoHS-compliant VDMA24364 zone III	Symbol	00995582
Control of the medium On/off mode Compressed air as per ISO 8573-1:2010 [7:4:4] Max. viscosity 600 mm²/s Temperature of medium -10 °C 180 °C Ambient temperature 0 °C 60 °C Flow rate Kv 77.9 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1 Note on materials ROHS-compliant VDMA24364 zone III	Medium	Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh
Compressed air as per ISO 8573-1:2010 [7:4:4] Max. viscosity 600 mm²/s Temperature of medium -10 °C 180 °C Ambient temperature 0 °C 60 °C Flow rate Kv 77.9 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1 Note on materials ROHS-compliant VDMA24364 zone III	Flow direction	Under valve seat, for gaseous and liquid media
Max. viscosity 600 mm²/s Temperature of medium -10 °C 180 °C Ambient temperature 0 °C 60 °C Tow rate Kv 77.9 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1 Note on materials ROHS-compliant VDMA24364 zone III	Control of the medium	On/off mode
Femperature of medium -10 °C 180 °C Ambient temperature 0 °C 60 °C 77.9 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1 RoHS-compliant VDMA24364 zone III	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature 0 °C 60 °C Flow rate Kv 77.9 m³/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	Max. viscosity	600 mm ² /s
Flow rate Kv 77.9 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1 Note on materials RoHS-compliant VDMA24364 zone III	Temperature of medium	-10 °C 180 °C
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	Ambient temperature	0 °C 60 °C
Note on materials RoHS-compliant ABS (PWIS) conformity VDMA24364 zone III	Flow rate Kv	77.9 m³/h
ABS (PWIS) conformity VDMA24364 zone III	Use in exterior area	Weather-protected locations class C1 based on IEC 60654-1
	Note on materials	RoHS-compliant
Valve housing material Cast stainless steel	LABS (PWIS) conformity	VDMA24364 zone III
	Valve housing material	Cast stainless steel

Feature	Value
Material number, fitting housing	ASTM A351-CF3M
Seals material	NBR
Spindle seal material	PTFE
Seat seal material	PTFE
Product weight	10700 g
Certification	CRN
Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Certificate issuing authority	German Technical Control Board (TÜV) 968/V 1039.01/20
Safety integrity level (SIL)	SIL 2
PFH	1.36E-7
PFD	5.95E-4
Actuator size	90 mm
Stroke	26 mm
Control function	Closed by spring force, NC
Position sensing	With mechanical indicator
Drive housing material	Cast stainless steel
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