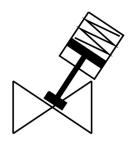
## Angle seat valve VZXA-B-TS6-13-M2-B1T-30-K-46-17-PM Part number: 8111589

**FESTO** 





General operating condition

## **Data sheet**

Actuation type Pneumatic Adounting position Any Any Any Any Line installation Threaded sleeve G1/2 as per DIN ISO 228 Active function Active function Active function Any Active function Active function Active function Any Active function Active function Any Active f	Feature	Value
Any  Any  Any  Any  Any  Any  Any  Line installation  Threaded sleeve G1/2 as per DIN ISO 228  Alake function  2/2  Alow direction  Non-reversible  Andedium pressure  O MPa 3 MPa  Aledium pressure  Aledium pressure  And the connection  Externally controlled  Preumatic connection  Internal thread G1/8  Diperating pressure  Operating pressure  Operating pressure  Operating pressure  Operating pressure  Operating thread G1/8  Only thread G1/8  Only thread G1/8  Only thread G1/8  Only G1/8  Operating medium  Only off mode  Compressed air as per ISO 8573-1:2010 [7:4:4]  Only Compressed G1/2 as per DIN ISO 228  Operating medium  Only G1/8  Operating medium  Operating medium  Operating medium  Operating medium  Operating medium  Operating medium  Oper	Structural design	Poppet valve with piston actuator
Line installation  Threaded sleeve G1/2 as per DIN ISO 228  Jalve function  Z/2  Jow direction  Non-reversible  Medium pressure  Obar 3 MPa  Medium pressure  Oberating pressure  Octored Type of control  Deparating pressure  Deparating medium	Actuation type	Pneumatic
Threaded sleeve G1/2 as per DIN ISO 228  (alve function 2/2  Flow direction Non-reversible Non-r	Mounting position	Any
Alve function 2/2  Tow direction Non-reversible O MPa 3 MPa  Medium pressure O bar 30 bar  Reset method Mechanical spring  Yee of control Externally controlled  Properating pressure O.5 MPa 0.7 MPa  Operating pressure S bar 7 bar  Operating pressure 7.2.5 psi 101.5 psi  Oymbol O0995586  Medium Vapor  Hydraulic fluid based on mineral oil Inert gas Mineral oil Water  Filtered compressed air, 200 µm filter mesh Neutral liquids  Onoff mode  Operating medium On/off mode  Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity 600 mr2/5  emperature of medium O °C 60 °C  Medium Control of the medium  On or c 60 °C  Medium Control of C 60 °C  Medium C 60 °C  M	Type of mounting	Line installation
Non-reversible Medium pressure O MPa 3 MPa Medium pressure O bar 30 bar Mechanical spring Reset method Mechanical spring Repeat of control Externally controlled Presumatic connection Internal thread G1/8 Operating pressure O 5 MPa 0.7 MPa Operating pressure S bar 7 bar Operating pressure 72.5 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 Control of the medium On/off mode Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Max. viscosity Gemperature of medium -10 °C 180 °C Medium -10 °C 180 °C Medium On rate Kv Medium On of MPa 3 MPa  O MPa 3 MPa  Mechanical spring Operating medium On of C 180 °C Medium On control of C On	Cable connection	Threaded sleeve G1/2 as per DIN ISO 228
Medium pressure  O MPA 3 MPA  Medium pressure  O bar 30 bar  Mechanical spring  Externally controlled  Pressure  O .5 MPA 0.7 MPA  Departing pressure  Departing pressure  O .5 MPA 0.7 MPA  Departing pressure  Departing	Valve function	2/2
Adedium pressure  O bar 30 bar  Mechanical spring  Sype of control  Externally controlled  Pneumatic connection  Internal thread G1/8  Operating pressure  O .5 MPa 0.7 MPa  Operating pressure  Operating medium  On/off mode  Operating medium  On/off mode  Operating medium  On omm²/s  Operating medium  On omm²/s  Operating medium  On on omm²/s  Operating medium  On on on on on on on on on one one	Flow direction	Non-reversible
Mechanical spring type of control Externally controlled Internal thread G1/8 Operating pressure Vapor Hydraulic fluid based on mineral oil Inert 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 Compressed air as per ISO 8573-1:2010 [7:4:4] Max. viscosity Good mm²/s Femperature of medium On C 180 °C Operating medium On C 180 °C Operating medium On C 180 °C Operating medium Operating med	Medium pressure	0 MPa 3 MPa
Externally controlled Preumatic connection Internal thread G1/8 Departing pressure Operating pressure Departing pressure T2.5 psi 101.5 psi O0995586  Medium Vapor Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquids  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 Filtered compressed of air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Filtered compressed of air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Filtered compressed of air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Filtered compressed of air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Filtered compressed of air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Filtered compressed of air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Filtered compressed of air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Filtered compressed of air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Filtered compressed of air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Filtered compressed of air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Filtered compressed of air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Filtered compressed of air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Filtered compressed of air as per ISO 8573-1:2010 [7:4:4]  Filtered compressed of air as per ISO 8573-1:2010 [7:4:4]  Filtered compressed of air as per ISO 8573-1:2010 [7:4:4]  Filtered compressed of air as per ISO 8573-1:2010 [7:4:4]	Medium pressure	0 bar 30 bar
Preumatic connection Internal thread G1/8 Operating pressure Operating pressure Sbar 7 bar Operating pressure 72.5 psi 101.5 psi Operating pressure Operating pressure 72.5 psi 101.5 psi Operating pressure Operating pressure 72.5 psi 101.5 psi Operating pressure Operating medium On/off mode Operating medium On/off mode Operating medium On of c 180 °C	Reset method	Mechanical spring
Deperating pressure  Deperating pressure  Deperating pressure  Deperating pressure  Tournel Deperating pressure  Deperating pressure  Tournel Deperation Deperation Deperating pressure  Tournel Deperation Deperation Deperating pressure  Tournel Deperation	Type of control	Externally controlled
Derating pressure  5 bar 7 bar  72.5 psi 101.5 psi  90mbol  00995586  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  Control of the medium  Onside the medium  On medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity  Femperature of medium  O°C 180 °C  Ambient temperature  O°C 60 °C  Ambient temperature  O°C 60 °C  Albor rate Kv  4.6 m³/h	Pneumatic connection	Internal thread G1/8
Deparating pressure  72.5 psi 101.5 psi  00995586  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 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 How rate Ky 4.6 m³/h	Operating pressure	0.5 MPa 0.7 MPa
Symbol  Medium  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  Max. viscosity  Gemperature of medium  On of medium  -10 °C 180 °C  Ambient temperature  O °C 60 °C  How rate Kv  Vapor Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 μm filter mesh Neutral liquids  On/off mode  Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity  O °C 180 °C  Ambient temperature  O °C 60 °C  How rate Kv  4.6 m³/h	Operating pressure	5 bar 7 bar
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         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         How rate Kv       4.6 m³/h	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  Clow 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 How rate Kv 4.6 m³/h	Symbol	00995586
Control of the medium On/off mode 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 4.6 m³/h	Medium	Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh
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  4.6 m³/h	Flow direction	Under valve seat, for gaseous and liquid media
Max. viscosity  600 mm²/s  remperature of medium  -10 °C 180 °C  O °C 60 °C  4.6 m³/h	Control of the medium	On/off mode
remperature of medium -10 °C 180 °C Ambient temperature 0 °C 60 °C Glow rate Kv 4.6 m³/h	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature 0 °C 60 °C 4.6 m³/h	Max. viscosity	600 mm <sup>2</sup> /s
Flow rate Kv 4.6 m³/h	Temperature of medium	-10 °C 180 °C
	Ambient temperature	0 °C 60 °C
Ise in exterior area Weather-protected locations class C1 based on IEC 60654-1	Flow rate Kv	4.6 m³/h
	Use in exterior area	Weather-protected locations class C1 based on IEC 60654-1
Note on materials RoHS-compliant	Note on materials	RoHS-compliant
ABS (PWIS) conformity VDMA24364 zone III	LABS (PWIS) conformity	VDMA24364 zone III
/alve housing material Brass	Valve housing material	Brass

Feature	Value
Material number, fitting housing	CW724R
Seals material	FPM
Spindle seal material	PTFE
Seat seal material	PTFE
Product weight	1151 g
Actuator size	46 mm
Stroke	17 mm
Control function	Closed by spring force, NC
Position sensing	With mechanical indicator
Drive housing material	PA-reinforced
Storage temperature	-10 °C 60 °C
Degree of protection	IP65 IP67
Piston rod material	High-alloy stainless steel
Cover material	PA-reinforced