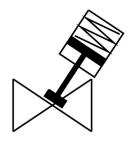
Angle seat valve VZXA-B-TS6-20-M2-B1T-12.8-K-46-17-PM

FESTO

Part number: 8111590





General operating condition

Data sheet

Actuation type Pneumatic Mounting position Type of mounting Line installation Any Valve function 2/2 Flow direction Medium pressure O MPa 1.28 MPa Medium pressure O Methanical spring Type of control Externally controlled Pneumatic connection Internal thread 61/8 Operating pressure O perating pressure O perating pressure O perating thread of Medium Operating medium Operating medium Operating medium Operating medium Operating medium Operating thread of Medium Operating thre	Feature	Value
Mounting position Type of mounting Line installation Cable connection Threaded sleeve G3/4 as per DIN ISO 228 Valve function Plow direction Non-reversible Medium pressure O MPa 1.28 MPa Medium pressure O bar 12.8 bar Reset method Mechanical spring Type of control Perumatic connection Internal thread G1/8 Operating pressure O 5 bar 7 bar Operating pressure Operating pressure Symbol O099586 Medium Water Filtered compressed air, 200 µm filter mesh Neutral liquids Flow direction Under valve seat, for gaseous and liquid media Control of the medium Operating medium Operating the medium Operating the medium Operating operating the medium Operating operating the medium Operating operating the medium Operating operating operating the medium Operating o	Structural design	Poppet valve with piston actuator
Type of mounting Cable connection Threaded sleeve G3/4 as per DIN ISO 228 Valve function Non-reversible Medium pressure O MPa 1.28 MPa Medium pressure O bar 12.8 bar Reset method Mechanical spring Type of control Externally controlled Pheumatic connection Internal thread G1/8 Operating pressure O 5 MPa 0,7 MPa Operating pressure O 10,5 MPa 0,7 MPa Operating pressure O 2,5 psi 101.5 psi Symbol O 9995586 Medium Vapor Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquids Flow direction On/off mode 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 600 mm²/s Temperature of medium 10 °C 180 °C Ambient temperature O °C 180 °C Ambient temperature O °C 180 °C How are Kv II.1 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1 Note on materials LABS (PWIS) conformity VDMA24364 zone III	Actuation type	Pneumatic
Cable connection Threaded sleeve G3/4 as per DIN ISO 228 Valve function 2/2 Flow direction Non-reversible Medium pressure O bar 1.28 MPa Operating pressure O 5 MPa 0.7 MPa Operating pressure O 5 bar 7 bar Operating pressure O 5 bar 7 bar Operating pressure O 5 Wapor Hydraulic fluid based on mineral oil Intert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquids Flow direction On/off mode Operating medium On/off mode Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Max. viscosity Omerature of medium On'o C 180 °C Ambient temperature O °C 60 °C Flow rate Kv I1.1 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1 Note on materials ROBS (PWIS) conformity VDMA24364 zone III	Mounting position	Any
Valve function 2/2 Flow direction Non-reversible Medium pressure 0 MPa 1.28 MPa Medium pressure 0 obar 12.8 MPa Medium pressure 0 obar 12.8 bar Reset method Mechanical spring Reset method Internal thread 61/8 Operating pressure 0.5 MPa 0.7 MPa Operating pressure 5 bar 7 bar Operating pressure 72.5 psi 101.5 psi Symbol 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 Temperature of medium	Type of mounting	Line installation
Flow direction Medium pressure O MPa 1.28 MPa Medium pressure O bar 12.8 bar Reset method Mechanical spring Type of control Externally controlled Preumatic connection Internal thread G1/8 Operating pressure O.5 MPa 0.7 MPa Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Tesperating pressure Operating pressure Operating pressure Operating pressure Operating pressure Tesperating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Tesperating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating spring pressure Operating spring pressure 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 On onm²/s Temperature of medium On C 180 °C Ambient temperature O °C 60 °C Flow rate kV 11.1 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1 Note on materials RoHS-compliant VDMA24364 zone III	Cable connection	Threaded sleeve G3/4 as per DIN ISO 228
Medium pressure O MPa 1.28 Mpa Medium pressure O bar 12.8 bar Reset method Mechanical spring Type of control Externally controlled Pneumatic connection Internal thread 61/8 Operating pressure O.5 MPa 0.7 MPa Operating pressure Operating pressure Operating pressure 7.2.5 psi 101.5 psi Symbol 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 Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Max. viscosity 600 mm²/s Temperature of medium On 'C 180 °C Ambient temperature O °C 60 °C Flow rate Kv 11.1 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 Mechanical spring Externally controlled Pneumatic connection Internal thread G1/8 Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Taber Operating pressure Operating pressure Operating pressure Operating pressure Taber Operating pressure Operating pressure Operating pressure Operating pressure Taber Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Vapor Hydraulic fluid based on mineral oil Inerting as 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 600 mm²/s Temperature of medium On'o C 180 °C Ambient temperature O ° C 60 °C Flow rate kV 11.1 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 Pneumatic connection Internal thread G1/8 Operating pressure 0.5 MPa 0.7 MPa Operating pressure 5 bar 7 bar Operating pressure 72.5 psi 101.5 psi Symbol 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 Temperature of medium -10 °C 180 °C Ambient temperature 0 °C 60 °C Flow rate Kv 11.1 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 pressure	0 MPa 1.28 MPa
Type of control Externally controlled Pneumatic connection Internal thread G1/8 Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure 72.5 psi 101.5 psi Symbol Operating Phydraulic 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 On/off mode Operating medium On/off mode Operating medium On/off mode Compressed air as per ISO 8573-1:2010 [7:4:4] Max. viscosity 600 mm²/s Temperature of medium 110 °C 180 °C Ambient temperature O °C 60 °C Flow rate Kv 11.1 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 pressure	0 bar 12.8 bar
Priematic connection Internal thread G1/8 Operating pressure 0.5 MPa 0.7 MPa Operating pressure 72.5 psi 101.5 psi Symbol 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 Temperature of medium -10 °C 180 °C Ambient temperature 0 °C 60 °C Flow rate Kv 11.1 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
Operating pressure Operating pressure Operating pressure Sbar 7 bar Operating pressure 72.5 psi 101.5 psi Symbol Operating pressure 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 On/off mode Operating 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 O °C 60 °C Flow rate Kv 11.1 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1 Note on materials RoHS-compliant VDMA24364 zone III	Type of control	Externally controlled
Operating pressure Operating pressure 72.5 psi 101.5 psi 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 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 11.1 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1 Note on materials RoHS-compliant VDMA24364 zone III	Pneumatic connection	Internal thread G1/8
Operating pressure 72.5 psi 101.5 psi 00995586 Medium Water 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 11.1 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1 Note on materials RoHS-compliant VDMA24364 zone III	Operating pressure	0.5 MPa 0.7 MPa
Symbol 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 O °C 60 °C Flow rate Kv 11.1 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	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 Flow rate Kv 11.1 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 Temperature of medium -10 °C 180 °C Ambient temperature O °C 60 °C Flow rate Kv 11.1 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	00995586
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 11.1 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
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 11.1 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 Flow rate Kv 11.1 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
Temperature of medium -10 °C 180 °C Ambient temperature 0 °C 60 °C Flow rate Kv 11.1 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 medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature 0 °C 60 °C Flow rate Kv 11.1 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 11.1 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	Temperature of medium	-10 ℃ 180 ℃
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 LABS (PWIS) conformity VDMA24364 zone III	Flow rate Kv	11.1 m³/h
LABS (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 Brass	LABS (PWIS) conformity	VDMA24364 zone III
	Valve housing material	Brass

Feature	Value
Material number, fitting housing	CW724R
Seals material	FPM
Spindle seal material	PTFE
Seat seal material	PTFE
Product weight	1257 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