Angle seat valve VZXA-B-TS6-50-M2-B1T-5.6-K-75-20-PM Part number: 8111597

FESTO





General operating condition

Data sheet

Actuation type Anunting position Any Any Any Any Line installation Threaded sleeve G2 as per DIN ISO 228 Adve function Any Any Any Any Any Any Any Any Any An	Feature	Value
Any Spe of mounting position Spe of mounting Line installation Threaded sleeve G2 as per DIN ISO 228 Alve function 2/2 Alve function Non-reversible Additum pressure O MPa 0.56 MPa Additum pressure Additum	Structural design	Poppet valve with piston actuator
Line installation Threaded sleeve G2 as per DIN ISO 228 Jalve function Z/Z Jow direction Non-reversible Medium pressure O MPa 0.56 MPa Medium pressure O bar 5.6 bar Reset method Mechanical spring Zype of control Externally controlled Denumatic connection Internal thread G1/8 Deprating pressure O 5 MPa 0.7 MPa Deprating pressure O 5 MPa 0.7 MPa Deprating pressure Z2.5 psi 101.5 psi Oyenating pressure Z3.5 psi 101.5 psi Oyenating pressure Deprating pressu	Actuation type	Pneumatic
Threaded sleeve G2 as per DIN ISO 228 /alve function	Mounting position	Any
Alve function 2/2 Flow direction Non-reversible Non-reversible OMP a 0.56 MP a Medium pressure Obar 5.6 bar Reset method Mechanical spring Vipe of control Externally controlled Properating pressure O.5 MP a 0.7 MP a Operating pressure Spring Vipe of control Internal thread G1/8 Operating pressure O.5 MP a 0.7 MP a Operating pressure Spring Vipe of control Omerand thread G1/8 Operating pressure Spring Vipe of control Omerand thread G1/8 Operating pressure Spring Vipe of control Omerand thread G1/8 Operating pressure Spring Vipe of control Omerand thread G1/8 Operating pressure Spring Vipe of control Omerand thread G1/8 Operating pressure Spring Vipe of control Omerand thread G1/8 Operating pressure Spring Vipe of control Omerand thread G1/8 Operating pressure Spring Vipe of control Omerand thread G1/8 Operating pressure Spring Vipe of control Omerand thread G1/8 Operating vipe of control Omerand thread G1/8 Operating medium On/off mode Omerand thread G1/8 Operating medium Compressed air, 200 µm filter mesh Neutral liquids Operating medium On/off mode Omerand Spring Operating medium On/off mode Operating Medium Spring Operating medium On/off mode Operating Medium Spring Operating Medi	Type of mounting	Line installation
Non-reversible Medium pressure O MPa 0.56 MPa Medium pressure O bar 5.6 bar Medium pressure O bar 5.6 bar Medium pressure O bar 5.6 bar Mechanical spring Medium pressure Departing pressure O 5 MPa 0.7 MPa Departing pressure O 9995586 Medium Vapor Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquids Nontrol of the medium On/off mode Departing medium Compressed air as per ISO 8573-1:2010 [7:4:4] Max. viscosity Memoral temperature O °C 180 °C Medium temperature O °C 60 °C Max vater of medium Mover ate Kv Sas m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1	Cable connection	Threaded sleeve G2 as per DIN ISO 228
Adedium pressure Adedium pres	Valve function	2/2
Adedium pressure O bar 5.6 bar Mechanical spring Externally controlled Preumatic connection Internal thread G1/8 Operating pressure O 5 MPa 0.7 MPa Operating pressure On 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 omm²/s Omma²/s Ommare temperature On oc 180 oc On max on the medium On oc 60 oc On max on the medium On oc 60 oc On max on the medium On oc 60 oc On max on the medium On oc 60 oc On the medium on the medium On oc 60 oc On the medium on the medium On oc 60 oc On the medium on the medium On oc 60 oc On the medium on the medium On oc 60 oc On the medium on the medium On oc 60 oc On the medium on the medium On oc 60 oc On the medium on the medium On oc 60 oc On the medium on the med	Flow direction	Non-reversible
Mechanical spring Type of control Externally controlled Preumatic connection Internal thread G1/8 Departing pressure Departing medium Departing	Medium pressure	0 MPa 0.56 MPa
Externally controlled Preumatic connection Internal thread G1/8 Deparating pressure 0.5 MPa 0.7 MPa Deparating pressure 5 bar 7 bar Deparating pressure 72.5 psi 101.5 psi Symbol O0995586 Medium Water Filtered compressed air, 200 µm filter mesh Neutral liquids Filtered compressed air, 200 µm filter mesh Neutral liquids Filtered compressed air as per ISO 8573-1:2010 [7:4:4] Max. viscosity 600 mm²/s Femperature of medium -10 °C 180 °C Compressed in sections class C1 based on IEC 60654-1 Weather-protected locations class C1 based on IEC 60654-1	Medium pressure	0 bar 5.6 bar
Preumatic connection Internal thread G1/8 Operating pressure Operating 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 Operating medium On'o C 180 °C Operating medium On'o C 180 °C Operating medium Operating m	Reset method	Mechanical spring
Departing pressure Departing pressure Departing pressure Departing pressure Testing pressure Testing pressure Departing pressure Testing pressure T	Type of control	Externally controlled
Departing pressure Departing pressure 7.2.5 psi 101.5 psi Outperating full dassed on mineral oil linert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquids Outperating liquid media On/off mode On/off mode Operating medium On/off mode Outperating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Max. viscosity Good mm²/s Femperature of medium -10 °C 180 °C Ambient temperature O °C 60 °C Sidow rate Kv 38.8 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1	Pneumatic connection	Internal thread G1/8
Deparating pressure 72.5 psi 101.5 psi 90995586 Medium Vapor Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquids Poperating medium On/off mode Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Max. viscosity femperature of medium On or 180 °C Ambient temperature O °C 60 °C Stow rate Kv 38.8 m³/h Weather-protected locations class C1 based on IEC 60654-1	Operating pressure	0.5 MPa 0.7 MPa
Symbol Medium Wapor 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 Goo mm²/s Temperature of medium O °C 180 °C Ambient temperature O °C 60 °C Stow rate Kv 38.8 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1	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 Stow rate Kv 38.8 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1	Operating pressure	72.5 psi 101.5 psi
Hydraulic fluid based on mineral oil lnert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquids Control of the medium Control of the medium Control of the medium Conperating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Max. viscosity 600 mm²/s Compressed air as per ISO 8573-1:2010 [7:4:4] Compressed air as per I	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 38.8 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1	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 Femperature of medium -10 °C 180 °C Ambient temperature 0 °C 60 °C Flow rate Kv 38.8 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1	Flow direction	Under valve seat, for gaseous and liquid media
Max. viscosity 600 mm²/s Femperature of medium -10 °C 180 °C Ambient temperature 0 °C 60 °C Flow rate Kv 38.8 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1	Control of the medium	On/off mode
remperature of medium -10 °C 180 °C Ambient temperature 0 °C 60 °C Flow rate Kv 38.8 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature 0 °C 60 °C Slow rate Kv 38.8 m³/h Use in exterior area Weather-protected locations class C1 based on IEC 60654-1	Max. viscosity	600 mm ² /s
Ise in exterior area 38.8 m³/h Weather-protected locations class C1 based on IEC 60654-1	Temperature of medium	-10 °C 180 °C
Use in exterior area Weather-protected locations class C1 based on IEC 60654-1	Ambient temperature	0 °C 60 °C
· · · · · · · · · · · · · · · · · · ·	Flow rate Kv	38.8 m³/h
Due 11	Use in exterior area	Weather-protected locations class C1 based on IEC 60654-1
lote 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	4754 g
CE marking (see declaration of conformity)	as per EU pressure equipment directive
UKCA marking (see declaration of conformity)	according to UK regulations for pressure equipment
Actuator size	75 mm
Stroke	20 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