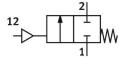
## Angle seat valve VZXF-L-M22C-M-B-G2-450-M1-V4B2T-50-3

**FESTO** 

Part number: 3540146





## **Data sheet**

Type of actuation Pneumatic Sealing principle Soft Mounting position In-line installation In-	Feature	Value
Sealing principle  Mounting position  Type of mounting  In-line installation  Inspection  Mominal size  Mominal pressure  O MPa03 MPa O bar3 bar  Nominal pressure PN  Without flow control option  Type of piloting  Externally controlled  Peneumatic connection  Departing pressure  Medium  Mominal pressure	Design	Poppet valve with piston drive
Mounting position Type of mounting In-line installation Threaded coupling G2 to DIN ISO 228  Nominal size 45 mm Valve function 2/2-way, closed, monostable Flow direction Non-reversible Medium pressure 0 MPa0.3 MPa 0 bar3 bar  Nominal pressure PN 40 Exhaust-air function Without flow control option Type of reset Mechanical spring Type of piloting Externally controlled Preumatic connection Pemale thread G1/8 Operating pressure 6 bar10 bar 87 psi145 psi  Medium Wighted ompressed air, grade of filtration 200 μm Numeral oil based hydraulic fluid inert gases Mineral oil Water Filtered compressed air, grade of filtration 200 μm Neutral fluids Direction of flow Below valve seat, for gaseous and liquid media Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Max. viscosity Hedia temperature 40 °C200 °C Ambient temperature 1-10 °C600 °C Flow rate Kv 19.5 m²/h Note on materials	Type of actuation	Pneumatic
In-line installation  Line connection  Threaded coupling G2 to DIN ISO 228  Nominal size  45 mm  2/2-way, closed, monostable  Non-reversible  Medium pressure  0 MPa0 3 MPa 0 bar3 bar  Nominal pressure PN  40  Exhaust-air function  Without flow control option  Type of Pioliting  Preumatic connection  Deprating pressure  0.6 MPa1 MPa 6 bar10 bar 87 psi145 psi  Medium  Wapour  Mineral oil-based hydraulic fluid Inert gases  Mineral oil Water  Filtered compressed air, grade of filtration 200 µm Neutral fluids  Direction of flow  Below valve seat, for gaseous and liquid media  Compressed air to ISO 8573-1:2010 [7:4:4]  Max. viscosity  Media temperature  40 °C200 °C  Ambient temperature  1-10 °C60 °C  Flow rate Kv  19.5 m³/h  Note on materials	Sealing principle	Soft
Threaded coupling G2 to DIN ISO 228  Nominal size  45 mm  2/2-way, closed, monostable  Non-reversible  Medium pressure  0 MPa0.3 MPa 0 bar3 bar  Nominal pressure PN  40  Exhaust-air function  Without flow control option  Type of Pioliting  Peneumatic connection  Operating pressure  0.6 MPa1 MPa 6 bar10 bar 87 psi145 psi  Medium  Vapour Mineral oil-based hydraulic fluid Inert gases Mineral oil Water Filtered compressed air, grade of filtration 200 µm Neutral fluids  Direction of flow  Below valve seat, for gaseous and liquid media  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Max. viscosity  Media temperature  40°C200 °C  Ambient temperature  1-10 °C60 °C  Flow rate Kv  19.5 m³/h  Note on materials	Mounting position	optional
Nominal size  Valve function  2/2-way, closed, monostable  Flow direction  Non-reversible  O MPa0.3 MPa O bar3 bar  Nominal pressure PN  Exhaust-air function  Without flow control option  Type of reset  Mechanical spring  Type of piloting  Externally controlled  Pneumatic connection  Operating pressure  O, 6 MPa1 MPa 6 bar1 O bar 87 psi145 psi  Medium  Wapour Mineral oil-based hydraulic fluid Inert gases Mineral oil Water Filtered compressed air, grade of filtration 200 µm Neutral fluids  Deparating medium  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Max. viscosity  Media temperature  And o°C200 °C  Ambient temperature  -10 °C60 °C  Flow rate Kv  19.5 m³/h  Note on materials	Type of mounting	In-line installation
Valve function 2/2-way, closed, monostable Flow direction Non-reversible Medium pressure 0 MPa0.3 MPa 0 bar3 bar Nominal pressure PN 40 Exhaust-air function Without flow control option Type of reset Mechanical spring Type of piloting Externally controlled Peneumatic connection Female thread G1/8 Operating pressure 0.6 MPa1 MPa 6 bar10 bar 87 psi145 psi Medium Vapour Mineral oil-based hydraulic fluid Inert gases Mineral oil Water Filtered compressed air, grade of filtration 200 µm Neutral fluids Direction of flow Below valve seat, for gaseous and liquid media Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity 600 mm²/s Media temperature -40 °C200 °C Ambient temperature -10 °C60 °C Flow rate Kv 19.5 m³/h Note on materials	Line connection	Threaded coupling G2 to DIN ISO 228
Flow direction  Mon-reversible  Medium pressure  O MPa0.3 MPa O bar3 bar  Nominal pressure PN  40  Exhaust-air function  Type of reset  Mechanical spring  Externally controlled  Pneumatic connection  Female thread G1/8  Operating pressure  O,6 MPa1 MPa 6 bar10 bar 87 psi145 psi  Medium  Medium  Without flow control option  Female thread G1/8  Operating pressure  O,6 MPa1 MPa 6 bar10 bar 87 psi145 psi  Medium  Wapour  Mineral oil-based hydraulic fluid Inert gases Mineral oil Water Filtered compressed air, grade of filtration 200 µm Neutral fluids  Direction of flow  Below valve seat, for gaseous and liquid media  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Max. viscosity  Media temperature  -40 °C200 °C  Ambient temperature  -10 °C60 °C  Flow rate Kv  19.5 m³/h  Note on materials	Nominal size	45 mm
Medium pressure  O MPa0.3 MPa O bar3 bar  Nominal pressure PN  Exhaust-air function  Without flow control option  Type of reset  Mechanical spring  Externally controlled  Pneumatic connection  Operating pressure  O MPa10 bar 87 psi145 psi  Medium  Vapour Mineral oil-based hydraulic fluid Inert gases Mineral oil Water Filtered compressed air, grade of filtration 200 µm Neutral fluids  Direction of flow  Departing medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Max. viscosity  Media temperature  -40 °C200 °C  Ambient temperature  -10 °C60 °C  Filow rate Kv  Note on materials  RoHS-compliant	Valve function	2/2-way, closed, monostable
O bar3 bar  Nominal pressure PN  Exhaust-air function  Without flow control option  Type of reset  Mechanical spring  Type of piloting  Externally controlled  Pneumatic connection  Operating pressure  Oearting pressure  Output  Output  Medium  Medium  Vapour  Mineral oil-based hydraulic fluid linert gases Mineral oil Water Filtered compressed air, grade of filtration 200 µm Neutral fluids  Direction of flow  Departing medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Max. viscosity  Media temperature  Au °C200 °C  Ambient temperature  -10 °C60 °C  Flow rate Kv  Note on materials  RoHS-compliant	Flow direction	Non-reversible
Exhaust-air function  Type of reset  Mechanical spring  Externally controlled  Pneumatic connection  Operating pressure  Oerating pressure  Medium  M	Medium pressure	
Mechanical spring Type of piloting Externally controlled Pneumatic connection Female thread G1/8 Operating pressure O.6 MPa1 MPa 6 bar10 bar 87 psi145 psi  Medium Vapour Mineral oil-based hydraulic fluid Inert gases Mineral oil Water Filtered compressed air, grade of filtration 200 μm Neutral fluids Direction of flow Below valve seat, for gaseous and liquid media Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity 600 mm²/s Media temperature -40 °C200 °C Ambient temperature -10 °C60 °C Flow rate Kv 19.5 m³/h Note on materials	Nominal pressure PN	40
Type of piloting  Externally controlled  Female thread G1/8  O,6 MPa1 MPa 6 bar10 bar 87 psi145 psi  Medium  Vapour Mineral oil-based hydraulic fluid Inert gases Mineral oil Water Filtered compressed air, grade of filtration 200 µm Neutral fluids  Direction of flow  Departing medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Max. viscosity  Media temperature  -40 °C200 °C  Ambient temperature  -10 °C60 °C  Flow rate KV  19.5 m³/h  Note on materials  RoHS-compliant	Exhaust-air function	Without flow control option
Pheumatic connection  Female thread G1/8  O,6 MPa1 MPa 6 bar10 bar 87 psi145 psi  Medium  Vapour Mineral oil-based hydraulic fluid Inert gases Mineral oil Water Filtered compressed air, grade of filtration 200 μm Neutral fluids  Direction of flow  Below valve seat, for gaseous and liquid media  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Max. viscosity  Media temperature  -40 °C200 °C  Ambient temperature  -10 °C60 °C  Flow rate Kv  19.5 m³/h  Note on materials	Type of reset	Mechanical spring
Operating pressure  O.6 MPa1 MPa 6 bar10 bar 87 psi145 psi  Medium  Vapour Mineral oil-based hydraulic fluid Inert gases Mineral oil Water Filtered compressed air, grade of filtration 200 μm Neutral fluids  Direction of flow  Below valve seat, for gaseous and liquid media  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Max. viscosity  Media temperature  -40 °C200 °C  Ambient temperature  -10 °C60 °C  Flow rate Kv  19.5 m³/h  Note on materials  ROHS-compliant	Type of piloting	Externally controlled
6 bar10 bar 87 psi145 psi  Medium  Vapour Mineral oil-based hydraulic fluid Inert gases Mineral oil Water Filtered compressed air, grade of filtration 200 μm Neutral fluids  Direction of flow  Below valve seat, for gaseous and liquid media  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Max. viscosity  600 mm²/s  Media temperature  -40 °C200 °C  Ambient temperature  -10 °C60 °C  Flow rate Kv  19.5 m³/h  Note on materials	Pneumatic connection	Female thread G1/8
Mineral oil-based hydraulic fluid Inert gases Mineral oil Water Filtered compressed air, grade of filtration 200 μm Neutral fluids  Direction of flow Below valve seat, for gaseous and liquid media  Compressed air to ISO 8573-1:2010 [7:4:4]  Max. viscosity 600 mm²/s  Media temperature -40 °C200 °C  Ambient temperature -10 °C60 °C  Flow rate Kv 19.5 m³/h  Note on materials RoHS-compliant	Operating pressure	6 bar10 bar
Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Max. viscosity  600 mm²/s  Media temperature  -40 °C200 °C  Ambient temperature  -10 °C60 °C  Flow rate Kv  19.5 m³/h  Note on materials  RoHS-compliant	Medium	Mineral oil-based hydraulic fluid Inert gases Mineral oil Water Filtered compressed air, grade of filtration 200 µm
Max. viscosity  600 mm²/s  Media temperature  -40 °C200 °C  Ambient temperature  -10 °C60 °C  Flow rate Kv  19.5 m³/h  Note on materials  ROHS-compliant	Direction of flow	Below valve seat, for gaseous and liquid media
Media temperature  -40 °C200 °C  Ambient temperature  -10 °C60 °C  Flow rate Kv  19.5 m³/h  Note on materials  ROHS-compliant	Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature -10 °C60 °C  Flow rate Kv 19.5 m³/h  Note on materials RoHS-compliant	Max. viscosity	600 mm <sup>2</sup> /s
Flow rate Kv 19.5 m³/h Note on materials RoHS-compliant	Media temperature	-40 °C200 °C
Note on materials RoHS-compliant	Ambient temperature	-10 °C60 °C
	Flow rate Kv	19.5 m³/h
LABS (PWIS) conformity VDMA24364 zone III	Note on materials	RoHS-compliant
	LABS (PWIS) conformity	VDMA24364 zone III

Feature	Value
Material process valve housing	Stainless steel casting
Material number process valve housing	1.4408
Material spindle seal	PTFE
Material seat seal	PTFE
Product weight	3500 g
CE mark (see declaration of conformity)	In accordance with EU Pressure Equipment Directive
UKCA marking (see declaration of conformity)	to UK Pressure Equipment Regulations
Corrosion resistance class CRC	2 - Moderate corrosion stress
Material drive housing	Nickel-plated brass