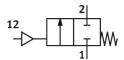
## Angle seat valve VZXF-L-M22C-M-B-N2-430-H3B1-50-3

**FESTO** 

Part number: 1002544





## **Data sheet**

Type of actuation Peneumatic  Sealing principle Soft Mounting position In-line installation In-line connection Threaded coupling 2 NPT to ANSI/ASME B 1.20.1  Nominal size 43 mm Valve function 2/2-way, closed, monostable Flow direction Non-reversible Medium pressure 0 MPa0.3 MPa 0 bar3 bar  Nominal pressure PN 16 Exhaust-air function Without flow control option Type of politing Externally controlled Peneumatic connection Female thread G1/8  Operating pressure 0.6 MPa1 MPa 6 bar1 0 bar 87 Psi145 psi  Medium Vapour Mineral oil-based hydraulic fluid linet 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 -10 °C60 °C Flow rate KV 23 m³/h Note on materials RoHS-compliant	Feature	Value
Soft Mounting position Type of mounting In-line installation Inspection Inspe	Design	Poppet valve with piston drive
Mounting position Type of mounting In-line installation Threaded coupling 2 NPT to ANSI/ASME B 1.20.1 Nominal size 43 mm Valve function 2/2-way, closed, monostable Flow direction Non-reversible Medium pressure 0 MPa0.3 MPa 0 bar3 bar Nominal pressure PN 16 Exhaust-air function Without flow control option Type of reset Mechanical spring Type of piloting Externally controlled Pneumatic connection Pemale thread G1/8 Operating pressure 6 bar10 bar 87 psi145 psi Medium Wineral 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 -10 °C80 °C Anbient temperature -10 °C80 °C Flow rate Kv 23 m³/h Note on materials	Type of actuation	Pneumatic
In-line installation  Line connection  Threaded coupling 2 NPT to ANSI/ASME B 1.20.1  Nominal size  43 mm  2/2-way, closed, monostable  Flow direction  Non-reversible  Medium pressure  0 MPa0.3 MPa 0 bar3 bar  Nominal pressure PN  16  Exhaust-air function  Without flow control option  Type of reset  Mechanical spring  Type of piloting  Externally controlled  Preumatic connection  Operating pressure  0.6 MPa1 MPa 6 bar10 bar 87 psi145 psi  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  Below valve seat, for gaseous and liquid media  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Max. viscosity  Media temperature  -10 °C80 °C  Ambient temperature  -10 °C80 °C  Flow rate Kv  23 m³/h  Note on materials	Sealing principle	Soft
Line connection Threaded coupling 2 NPT to ANSI/ASME B 1.20.1  Nominal size 43 mm  2/2-way, closed, monostable  Flow direction Non-reversible Medium pressure 0 MPa0.3 MPa 0 bar3 bar  Nominal pressure PN 16  Exhaust-air function Without flow control option Type of reset Mechanical spring Type of piloting Externally controlled Pheumatic connection Operating pressure 0.6 MPa1 MPa 6 bar10 bar 87 psi145 psi  Medium Vapour Mineral oil-based hydraulic fluid lnert 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 -10 °C80 °C Ambient temperature -10 °C60 °C Flow rate Kv 23 m³/h Note on materials	Mounting position	optional
Nominal size  Valve function  2/2-way, closed, monostable  Flow direction  Non-reversible  Medium pressure  0 MPa0.3 MPa 0 bar3 bar  Nominal pressure PN  16  Exhaust-air function  Without flow control option  Type of reset  Mechanical spring  Type of piloting  Externally controlled  Pneumatic 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  Departing medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Max. viscosity  Media temperature  -10 °C60 °C  Flow rate Kv  23 m³/h  Note on materials  RoHS-compliant	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  16  Exhaust-air function  Without flow control option  Type of reset  Mechanical spring  Externally controlled  Pneumatic connection  Pemale 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  Deparating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Max. viscosity  Media temperature  -10 °C80 °C  Ambient temperature  -10 °C60 °C  Flow rate Kv  23 m³/h  Note on materials	Line connection	Threaded coupling 2 NPT to ANSI/ASME B 1.20.1
Flow direction  Medium pressure  O MPa0.3 MPa O bar3 bar  Nominal pressure PN  16  Exhaust-air function  Without flow control option  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  Wapour  Mineral oil-based hydraulic fluid lnert 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  -10 °C80 °C  Ambient temperature  -10 °C60 °C  Flow rate Kv  23 m³/h  Note on materials	Nominal size	43 mm
Medium pressure  O MPa0.3 MPa O bar3 bar  Nominal pressure PN  16  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 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  -10 °C80 °C  Ambient temperature  -10 °C60 °C  Filow rate Kv  Note on materials  RoHS-compliant	Valve function	2/2-way, closed, monostable
O bar3 bar	Flow direction	Non-reversible
Exhaust-air function  Type of reset  Mechanical spring  Externally controlled  Pneumatic connection  Operating pressure  Oerating pressure  Medium  M	Medium pressure	
Type of reset  Mechanical spring  Externally controlled  Pneumatic connection  Pemale 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  Departing medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Max. viscosity  Media temperature  -10 °C80 °C  Ambient temperature  -10 °C60 °C  Flow rate Kv  23 m³/h  Note on materials	Nominal pressure PN	16
Type of piloting  Externally controlled  Pneumatic connection  Operating pressure  One 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  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Max. viscosity  Media temperature  -10 °C80 °C  Ambient temperature  -10 °C60 °C  Flow rate KV  23 m³/h  Note on materials  RoHS-compliant	Exhaust-air function	Without flow control option
Pneumatic connection  Female thread G1/8  Operating pressure  O.6 MPa1 MPa 6 bar10 bar 87 psi145 psi  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  -10 °C80 °C  Ambient temperature  -10 °C60 °C  Flow rate Kv  23 m³/h  Note on materials	Type of reset	Mechanical spring
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       -10 °C80 °C         Ambient temperature       -10 °C60 °C         Flow rate Kv       23 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  -10 °C80 °C  Ambient temperature  -10 °C60 °C  Flow rate Kv  23 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  Operating medium Compressed air to ISO 8573-1:2010 [7:4:4]  Max. viscosity 600 mm²/s  Media temperature -10 °C80 °C  Ambient temperature -10 °C60 °C  Flow rate Kv 23 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  -10 °C80 °C  Ambient temperature  -10 °C60 °C  Flow rate Kv  23 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 -10 °C80 °C  Ambient temperature -10 °C60 °C  Flow rate Kv 23 m³/h  Note on materials ROHS-compliant	Direction of flow	Below valve seat, for gaseous and liquid media
Media temperature -10 °C80 °C  Ambient temperature -10 °C60 °C  Flow rate Kv 23 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 23 m³/h  Note on materials RoHS-compliant	Max. viscosity	600 mm <sup>2</sup> /s
Flow rate Kv 23 m³/h Note on materials RoHS-compliant	Media temperature	-10 °C80 °C
Note on materials RoHS-compliant	Ambient temperature	-10 °C60 °C
	Flow rate Kv	23 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	Gunmetal (red brass)
Material number process valve housing	CC499K
Material spindle seal	NBR
Material seat seal	PTFE
Product weight	2800 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	1 - Low corrosion stress
Material drive housing	Brass