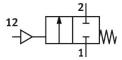
## Angle seat valve VZXF-L-M22C-M-B-N1-240-M1-V4V4T-50-10

**FESTO** 

Part number: 1002550





## **Data sheet**

Type of actuation Pneumatic Sealing principle Soft Mounting position Optional Trype of mounting In-line installation Line connection Threaded coupling 1 NPT to ANSI/ASME B 1.20.1 Nominal size 24 mm Valve function 2/2-way, closed, monostable Flow direction Non-reversible Medium pressure O MPa1 MPa O bar10 bar Nominal pressure PN 40 Exhaust-air function Without flow control option Type of reset 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 Winder of libased 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 600 mm²/s Media temperature 4.0 °C200 °C Ambient remperature 1-10 °C60 °C Flow rate KV 11 m³/h Note on materials	Feature	Value
Soft Mounting position Type of mounting In-line installation Inspection Mounting position In-line installation In-	Design	Poppet valve with piston drive
Mounting position Type of mounting In-line installation Threaded coupling 1 NPT to ANSI/ASME B 1.20.1 Nominal size 24 mm Valve function 2/2-way, closed, monostable Flow direction Non-reversible Medium pressure 0 MPa1 MPa 0 bar1 0 bar Nominal pressure PN 40 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 bar1 0 bar 87 psi145 psi Medium Wimeral 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 11 m³/h Note on materials	Type of actuation	Pneumatic
In-line installation Line connection Threaded coupling 1 NPT to ANSI/ASME B 1.20.1 Nominal size 24 mm 2/2-way, closed, monostable Flow direction Non-reversible Medium pressure 0 MPa1 MPa 0 bar1 ob bar Nominal pressure PN 40 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 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 4.0 °C200 °C Ambient temperature 1-10 °C60 °C Flow rate Kv 11 m³/h Note on materials	Sealing principle	Soft
Line connection Threaded coupling 1 NPT to ANSI/ASME B 1.20.1  Nominal size 24 mm  2/2-way, closed, monostable  Rlow direction Non-reversible Medium pressure 0 MPa1 MPa 0 bar10 bar  Nominal pressure PN 40  Exhaust-air function Without flow control option  Type of reset Mechanical spring Type of piloting Penumatic 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 4.0°C200°C Ambient temperature 1.10 °C60° °C Flow rate Kv 11 m³/h Note on materials	Mounting position	optional
Nominal size  Valve function  2/2-way, closed, monostable  Flow direction  Non-reversible  Medium pressure  0 MPa1 MPa 0 bar10 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  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  Ao °C200 °C  Ambient temperature  1-10 °C60 °C  Flow rate Kv  11 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 MPa1 MPa 0 bar10 bar Nominal pressure PN 40 Exhaust-air function Without flow control option Type of reset Mechanical spring Externally controlled Pneumatic connection Female thread G1/8 Operating pressure 0.6 MPa1 MPa 6 bar10 bar NOperating 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 11 m³/h Note on materials	Line connection	Threaded coupling 1 NPT to ANSI/ASME B 1.20.1
Flow direction  Medium pressure  O MPa1 MPa O bar10 bar  Nominal pressure PN  40  Exhaust-air function  Type of reset  Mechanical spring  Externally controlled  Pneumatic connection  Operating pressure  O,6 MPa1 MPa 6 bar10 bar 87 psi145 psi  Medium  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 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  -40 °C200 °C  Ambient temperature  -10 °C60 °C  Flow rate Kv  11 m³/h  Note on materials	Nominal size	24 mm
Medium pressure  O MPa1 MPa O bar10 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 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  A0 °C200 °C  Ambient temperature  -10 °C60 °C  Filow rate Kv  Note on materials  RoHS-compliant	Valve function	2/2-way, closed, monostable
Nominal pressure PN  Exhaust-air function  Without flow control option  Type of reset  Mechanical spring  Type of piloting  Externally controlled  Pneumatic connection  Operating pressure  One MPa1 MPa 6 bar10 bar 87 psi145 psi  Medium  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  Ao °C200 °C  Ambient temperature  10 °C60 °C  Filow 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	- · · · · · · · · · · ·
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  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  11 m³/h  Note on materials	Nominal pressure PN	40
Type of piloting  Externally controlled  Pneumatic connection  Operating pressure  One MPa1 MPa Subaration of Beauth and Subaration of Suba	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  -40 °C200 °C  Ambient temperature  -10 °C60 °C  Flow rate Kv  11 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       -40 °C200 °C         Ambient temperature       -10 °C60 °C         Flow rate Kv       11 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  11 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 11 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  11 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 11 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  11 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 11 m³/h  Note on materials RoHS-compliant	Max. viscosity	600 mm <sup>2</sup> /s
Flow rate Kv 11 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	11 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	1600 g
Corrosion resistance class CRC	3 - high corrosion stress
Material drive housing	High-alloy stainless steel