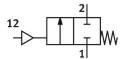
## Angle seat valve VZXF-L-M22C-M-B-G2-450-M1-V4ANT-80-5

**FESTO** 

Part number: 3540277





## **Data sheet**

Type of actuation Pneumatic Sealing principle Soft Mounting position optional Trype of mounting In-line installation Line connection Threaded coupling G2 to DIN ISO 228 Nominal size 45 mm Valve function 2/2-way, closed, monostable Rlow direction Non-reversible Medium pressure 0 MPa0.5 MPa 0 bar5 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 0.6 MPa1 MPa 6 bar10 bar 87 psi145 psi Medium Vapour 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 Rows rate KV 39 m³/h Note on materials  RodS-compliant	Feature	Value
Sealing principle  Soft  Mounting position  Optional  In-line installation  In-line installation  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  O MPa0.5 MPa O bar5 bar  Nominal pressure PN  40  Exhaust-air function  Without flow control option  Type of piloting  Externally controlled  Penumatic connection  Operating pressure  O 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  Max. viscosity  Media temperature  40 °C200 °C  Ambient temperature  10 °C200 °C  Ambient temperature  110 °C60 °C  Filow rate KV  39 m³/h  Note on materials	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 MPa0.5 MPa 0 bar5 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 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 40 °C200 °C Ambient temperature 1-10 °C600 °C Flow rate Kv 39 m³/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 Riow direction Non-reversible Medium pressure 0 MPa 0.5 MPa 0 bar 5 bar Nominal pressure PN 40 Exhaust-air function Without flow control option Type of Piloting Preumatic connection Premate thread G1/8 Operating pressure 0.6 MPa 10 bar 87 psi 145 psi Medium Wigner 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 °C 200 °C Ambient temperature -10 °C 60 °C Flow rate Kv 39 m³/h Note on materials	Sealing principle	Soft
Line connection Threaded coupling G2 to DIN ISO 228  Nominal size 45 mm  2/2-way, closed, monostable  Flow direction Non-reversible Medium pressure 0 MPa0.5 MPa 0 bar5 bar  Nominal pressure PN 40  Exhaust-air function Without flow control option Type of reset Mechanical spring Externally controlled Pheumatic 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 39 m³/h Note on materials	Mounting position	optional
Nominal size  Valve function  2/2-way, closed, monostable  Non-reversible  Medium pressure  0 MPa0.5 MPa 0 bar5 bar  Nominal pressure PN  40  Exhaust-air function  Without flow control option  Type of reset  Mechanical spring  Type of piloting  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  Deparating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Max. viscosity  Media temperature  Ano °C200 °C  Ambient temperature  -10 °C60 °C  Flow rate Kv  39 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 MPa0.5 MPa 0 bar5 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 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 39 m³/h Note on materials	Line connection	Threaded coupling G2 to DIN ISO 228
Flow direction  Medium pressure  O MPa0.5 MPa O bar5 bar  Nominal pressure PN  40  Exhaust-air function  Type of reset  Mechanical spring  Externally controlled  Pneumatic connection  Operating pressure  Oerating pressure  Medium  Medium  Medium  Medium  Medium  Medium  Direction of flow  Departing medium  Direction of flow  Departing medium  Max. viscosity  Media temperature  -40 °C200 °C  Ambient temperature  -10 °C60 °C  Ambient left and so with a survey and a survey	Nominal size	45 mm
Medium pressure  O MPa0.5 MPa O bar5 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 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  Signal Age Signal	Valve function	2/2-way, closed, monostable
O bar5 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  -40 °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	
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 Iner	Nominal pressure PN	40
Type of piloting  Externally controlled  Female thread G1/8  Operating pressure  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  Operating mediure  Operating me	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  39 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  39 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  39 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 -40 °C200 °C  Ambient temperature -10 °C60 °C  Flow rate Kv 39 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  40 °C200 °C  Ambient temperature  -10 °C60 °C  Flow rate Kv  39 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 39 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  39 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 39 m³/h  Note on materials RoHS-compliant	Max. viscosity	600 mm <sup>2</sup> /s
Flow rate Kv 39 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	39 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	5400 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	Aluminium, nickel-plated