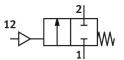
Angle seat valve VZXF-L-M22C-M-B-N114-310-M1-V4V4T-50-7

FESTO

Part number: 1002554





Data sheet

Type of actuation Peneumatic Sealing principle Soft Mounting position optional Trype of mounting In-line installation Line connection Threaded coupling 1 1/4 NPT to ANSI/ASME B 1.20.1 Nominal size 31 mm Valve function 2/2-way, closed, monostable Flow direction Non-reversible Medium pressure 0 MPa0.7 MPa 0 bar7 bar Nominal pressure PN 40 Exhaust-air function Without flow control option Type of reset Mechanical spring Type of ploting Externally controlled Peneumatic connection Female thread 61/8 Operating pressure 0.6 MPa1 MPa 6 bar1 0 bar 8 / P 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 is ISO 8573-1:2010 [7:4:4] Max. viscosity 600 mm²/s Media temperature -10 °C60 °C Flow rate KV 10.7 m³/h Note on materials	Feature	Value
Sealing principle Soft Mounting position Type of mounting In-line installation In-line instal	Design	Poppet valve with piston drive
Mounting position Type of mounting In-line installation In-line install	Type of actuation	Pneumatic
In-line installation Line connection Threaded coupling 1 1/4 NPT to ANSI/ASME B 1.20.1 Nominal size 31 mm 2/2-way, closed, monostable Flow direction Non-reversible Medium pressure 0 MPa0,7 MPa 0 bar7 bar Nominal pressure PN 40 Exhaust-air function Without flow control option Type of piloting Externally controlled Pneumatic connection Operating pressure 0.6 MPa1 MPa 6 bar10 bar 87 psi145 psi Medium 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] Media temperature 4.0 °C200 °C Ambient temperature 1-10 °C60 °C Flow rate Kv 10.7 m³/h Note on materials	Sealing principle	Soft
Line connection Threaded coupling 1 1/4 NPT to ANSI/ASME B 1.20.1 Nominal size 31 mm 2/2-way, closed, monostable Flow direction Non-reversible Medium pressure 0 MPa0.7 MPa 0 bar7 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 10.7 m³/h Note on materials	Mounting position	optional
Nominal size Valve function 2/2-way, closed, monostable Flow direction Non-reversible Medium pressure 0 MPa0.7 MPa 0 bar7 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 Ano **C200 **C Ambient temperature -10 **C60 **C Flow rate Kv 10.7 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 MPa0.7 MPa 0 bar7 bar Nominal pressure PN 40 Exhaust-air function Without flow control option Type of reset Mechanical spring Type of piloting Externally controlled Preumatic 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] Media temperature 4.0 °C200 °C Ambient temperature 1.0 °C60 °C Flow rate Kv 10.7 m³/h Note on materials	Line connection	Threaded coupling 1 1/4 NPT to ANSI/ASME B 1.20.1
Flow direction Medium pressure O MPaO.7 MPa O bar7 bar Nominal pressure PN Exhaust-air function Without flow control option Type of reset Mechanical spring Type of piloting Preumatic 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 Inert gases Mineral oil Water Filtered compressed air, grade of filtration 200 µm Neutral fluids Direction of flow Derating medium 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 10.7 m³/h Note on materials	Nominal size	31 mm
Medium pressure O MPa0.7 MPa O bar7 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 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 Note on materials RoHS-compliant	Valve function	2/2-way, closed, monostable
Nominal pressure PN Exhaust-air function Type of reset Mechanical spring Type of piloting Pneumatic connection Operating pressure Medium 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 Note on materials Mechanical spring Without flow control option Without flow control option Mechanical spring Accompliant Without flow control option Mechanical spring Externally controlled Externally controlled Petamology Mechanical spring Wetchanical spring 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 10.7 m³/h Note on materials	Flow direction	Non-reversible
Exhaust-air function Type of reset Mechanical spring Externally controlled Pneumatic connection Operating pressure Office the definition of the properties of the prope	Medium pressure	
Type of reset 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 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 10.7 m³/h Note on materials Media temperature Remainder of flow Retroad of flow Recompliant	Nominal pressure PN	40
Type of piloting Externally controlled Female thread G1/8 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 Direction of flow 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 10.7 m³/h Note on materials RoHS-compliant	Exhaust-air function	Without flow control option
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 10.7 m³/h Note on materials RoHS-compliant	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 10.7 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 10.7 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 10.7 m³/h Note on materials RoHS-compliant	Operating pressure	6 bar10 bar
Operating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Max. viscosity600 mm²/sMedia temperature-40 °C200 °CAmbient temperature-10 °C60 °CFlow rate Kv10.7 m³/hNote on materialsRoHS-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 10.7 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 10.7 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 10.7 m³/h Note on materials RoHS-compliant	Max. viscosity	600 mm ² /s
Flow rate Kv 10.7 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	10.7 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	2200 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	3 - high corrosion stress
Material drive housing	High-alloy stainless steel