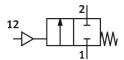
Angle seat valve VZXF-L-M22C-M-B-G2-450-M1-V4V4T-50-3

FESTO

Part number: 1002523





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 size Mominal size Mominal pressure O MPa03 MPa O bar3 bar Nominal pressure O MPa04 without flow control option Type of piloting Premutatic connection Permutatic connection Medium Medium Mominal pressure O MPa1 MPa 6 bar10 bar 87 psi145 psi Medium Medium Mominal of based hydraulic fluid Inert gases 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 Max. viscosity Media temperature -10 °C200 °C Ambient temperature -10 °C200 °C Ambient temperature -10 °C200 °C Filow rate KV 19.5 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 MPa0.3 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 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 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 -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	
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 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 ² /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	3 - high corrosion stress
Material drive housing	High-alloy stainless steel