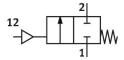
Angle seat valve VZXF-L-M22C-M-B-G34-160-M1-H3B1T-50-16

FESTO

Part number: 3535644





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 Nominal size Medium Pressure Medium Medium Medium Mediate Max. viscosity Mediate Med	Design	Poppet valve with piston drive
Mounting position Type of mounting In-line installation Threaded coupling G3/4 to DIN ISO 228 Nominal size 16 mm Valve function 2/2-way, closed, monostable Nominal size 0 MPa1.6 MPa 0 bar1.6 bar Nominal pressure 0 MPa1.6 MPa 0 bar1.6 bar Nominal pressure PN 16 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 0 .6 MPa1 MPa 6 bar1 0 bar 87 psi145 psi Wedium Wineral oil-based hydrautic 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. et al. 200 °C Ambient temperature 4.0 °C200 °C Ambient temperature 1-10 °C600 °C Flow rate Kv 5.2 m²/h Note on materials	Type of actuation	Pneumatic
In-line installation Line connection Threaded coupling G3/4 to DIN ISO 228 Nominal size 16 mm 2/2-way, closed, monostable Flow direction Non-reversible Medium pressure 0 MPa16 MPa 0 bar16 bar Nominal pressure PN 16 Exhaust-air function Without flow control option Type of Pioliting Preumatic connection Departing pressure 0.6 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 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 S. 2 m³/h Note on materials	Sealing principle	Soft
Ine connection Threaded coupling G3/4 to DIN ISO 228 Nominal size 16 mm 2/2-way, closed, monostable Non-reversible Medium pressure 0 MPa1.6 MPa 0 bar16 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 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 S.2 m²/h Note on materials	Mounting position	optional
Nominal size Valve function 2/2-way, closed, monostable Flow direction Non-reversible Medium pressure 0 MPa1.6 MPa 0 bar16 bar Nominal pressure PN 16 Exhaust-air function Without flow control option Type of reset Mechanical spring Type of piloting Externally controlled Peneumatic 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 Ambient temperature -10 °C60 °C Flow rate Kv 5.2 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 0 MPa1.6 MPa 0 bar16 bar Nominal pressure PN 16 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 5.2 m³/h Note on materials	Line connection	Threaded coupling G3/4 to DIN ISO 228
Flow direction Mon-reversible Medium pressure O MPa1.6 MPa O bar16 bar Nominal pressure PN 16 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 5.2 m³/h Note on materials	Nominal size	16 mm
Medium pressure O MPa1.6 MPa O bar16 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 One May and the pressure Operating pressure 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 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 South and the pressure	Valve function	2/2-way, closed, monostable
O bar16 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 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 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 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 S.2 m³/h Note on materials	Nominal pressure PN	16
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 Solution of MPa. IMPa 6 bar1 MPa 6 bar1 MPa 6 bar10 bar 87 psi145 psi Vapour Mineral oil-based hydraulic fluid Inert gases Mineral oil Water Filtered compressed air, grade of filtration 200 µm Neutral fluids Below valve seat, for gaseous and liquid media Compressed air to ISO 8573-1:2010 [7:4:4] 600 mm²/s 600 mm²/s Folia G1/8	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 5.2 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 5.2 m³/h Note on materials	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 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 5.2 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 5.2 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 5.2 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 5.2 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 5.2 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 5.2 m³/h Note on materials RoHS-compliant	Max. viscosity	600 mm ² /s
Flow rate Kv 5.2 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	5.2 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	PTFE
Material seat seal	PTFE
Product weight	1300 g
Corrosion resistance class CRC	1 - Low corrosion stress
Material drive housing	Brass