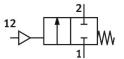
Angle seat valve VZXF-L-M22C-M-B-G114-310-M1-V4V4T-80-10

FESTO

Part number: 1002528





Data sheet

| Type of actuation Pneumatic Sealing principle Soft Mounting position In-line installation In-line installation Threaded coupling G1 1/4 to DIN ISO 228 Nominal size 31 mm Valve function Z/2-way, closed, monostable Nominal size 31 mm Valve function Non-reversible Medium pressure O MPa1 MPa O bar10 bar Nominal pressure PN 40 Without flow control option Type of reset Mechanical spring Externally controlled Pneumatic connection Female thread G1/8 Operating pressure O,6 MPa1 MPa O bar10 bar Refluin 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 Below valve seat, for gaseous and liquid media Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Media temperature -40 °C200 °C Ambient temperature -10 °C50 °C Flow rate KV Note on materials RoHS-compliant | Feature | Value |
|---|------------------------|---|
| Sealing principle Soft Mounting position Optional In-line installation In-line installation In-line installation Threaded coupling G1 1/4 to DIN ISO 228 Nominal size 31 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 piloting Externally controlled Peneumatic connection Operating pressure O MPa1 MPa O bar S7 psi145 psi Medium Wedium 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 17.5 m²/h Note on materials | Design | Poppet valve with piston drive |
| Mounting position Type of mounting In-line installation Threaded coupling G1 1/4 to DIN ISO 228 Nominal size 31 mm 2/2-way, closed, monostable Riow 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 Preumatic connection Pemale thread G1/8 Operating pressure 0.6 MPa1 MPa 6 bar10 bar 0.6 MPa1 MPa 6 bar10 bar 0.7 ye of piloting Female thread G1/8 Operating pressure 0.6 MPa1 APa 6 bar10 bar 8 7 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 °C60 °C Flow rate Kv 17.5 m³/h Note on materials | Type of actuation | Pneumatic |
| In-line installation Line connection Threaded coupling G1 1/4 to DIN ISO 228 Nominal size 31 mm 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 Pioliting Externally controlled Preumatic connection Operating pressure 0.6 MPa1 MPa 6 bar10 bar 87 psi145 psi Wedium 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 Media temperature -40 °C200 °C Ambient temperature -10 °C60 °C Flow rate Kv 17.5 m³/h Note on materials | Sealing principle | Soft |
| Threaded coupling G1 1/4 to DIN ISO 228 Nominal size 31 mm 2/2-way, closed, monostable Non-reversible Medium pressure 0 MPa1 MPa 0 bar10 bar Nominal pressure PN Exhaust-air function Without flow control option Type of piloting Peneumatic connection Operating 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 Deparating medium Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Media temperature 4.0°C200 °C Ambient temperature 1.0 °C60 °C Flow rate Kv 17.5 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 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 -10 °C60 °C Flow rate Kv 17.5 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 MPa1 MPa 0 bar10 bar Nominal pressure PN 40 Exhaust-air function Without flow control option 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] Max. viscosity 600 mm²/s Media temperature -40 °C200 °C Ambient temperature -10 °C60 °C Flow rate Kv 17.5 m³/h Note on materials | Line connection | Threaded coupling G1 1/4 to DIN ISO 228 |
| Flow direction Medium pressure O MPa1 MPa | Nominal size | 31 mm |
| Medium pressure O MPa1 MPa O bar10 bar Nominal pressure PN Exhaust-air function Without flow control option Type of reset Mechanical spring Externally controlled Pneumatic connection Pemale thread G1/8 Operating pressure O MPa1 MPa O bar A7 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 Without flow control option Type of reset Mechanical spring Type of piloting Externally controlled Pneumatic connection Operating pressure One MPa 1 MPa 6 bar 10 bar 87 psi 145 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 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 Medium Medi | Medium pressure | - · · · · • · · · · · |
| Type of reset Mechanical spring Externally controlled Pneumatic connection Pemale thread G1/8 Operating pressure One MPa1 MPa Spi145 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 -40 °C200 °C Ambient temperature -10 °C60 °C Flow rate Kv 17.5 m³/h Note on materials | Nominal pressure PN | 40 |
| 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 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 17.5 m³/h Note on materials ROHS-compliant | Exhaust-air function | Without flow control option |
| Pheumatic 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 17.5 m³/h Note on materials | Type of reset | Mechanical spring |
| Operating pressure One of MPa1 MPa Substitute of bar10 bar Substitute of bar10 bar Substitute of bar145 psi One of MPa1 MPa Substitute of bar145 psi Vapour Mineral oil-based hydraulic fluid Inert gases Mineral oil Water Filtered compressed air, grade of filtration 200 μm Neutral fluids Direction of flow Substitute of Below valve seat, for gaseous and liquid media Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Substitute of Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Substitute of Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Substitute of Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Substitute of Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Substitute of Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Substitute of Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Substitute of Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Substitute of Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Substitute of Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Substitute of Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Substitute of Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Substitute of Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Substitute of Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Substitute of Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Substitute of Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Substitute of Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Substitute of Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Substitute of Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Substitute of Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Substitute of Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Substitute of Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Substitute of Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosi | 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 17.5 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 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 17.5 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 Media temperature -40 °C200 °C Ambient temperature -10 °C60 °C Flow rate Kv 17.5 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 17.5 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 17.5 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 17.5 m³/h Note on materials RoHS-compliant | Max. viscosity | 600 mm²/s |
| Flow rate Kv 17.5 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 | 17.5 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 | 3800 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 |