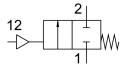
Angle seat valve VZXF-L-M22C-M-B-N12-120-H3B1-50-16 Part number: 1002534

FESTO





| Sealing principle Soft Mounting position Type of mounting In-line installation Line connection Threaded coupling 1/2 NPT as per ANSI/ASME B 1.20.1 Nominal size 12 mm Valve function 2/2-way, closed, monostable Flow direction Non-reversible Medium pressure OMPa 1.6 MPa Medium pressure Obar 16 bar Nominal pressure PN 16 Exhaust-air function Type of piloting Externally controlled Pneumatic connection Female thread G1/8 Operating pressure Operating pressure Operating pressure Operating pressure Symbol Operating pressure Symbol Operating the size of the size of filtration 200 µm Medium Mineral oil-based hydraulic fluid linett gases Mineral oil-based hydraulic fluid linett gases Mineral oil-based 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 -10 °C 60 °C Ambient temperature -10 °C 60 °C Flow rate kv 3.7 m³/h Note on materials ANSI-COMPINITY VMAC24364 zone III Material process valve housing Guinmetal (red brass) | Feature | Value |
|--|---------------------------------------|---|
| Sealing principle Soft Mounting position Type of mounting In-line installation Line connection Threaded coupling 1/2 NPT as per ANSI/ASME B 1.20.1 Nominal size 12 mm Valve function 2/2-way, closed, monostable Flow direction Non-reversible Medium pressure OMPa 1.6 MPa Medium pressure Obar 16 bar Nominal pressure PN 16 Exhaust-air function Type of piloting Externally controlled Pneumatic connection Female thread G1/8 Operating pressure Operating pressure Operating pressure Operating pressure Symbol Operating pressure Symbol Operating the size of the size of filtration 200 µm Medium Mineral oil-based hydraulic fluid linett gases Mineral oil-based hydraulic fluid linett gases Mineral oil-based 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 -10 °C 60 °C Ambient temperature -10 °C 60 °C Flow rate kv 3.7 m³/h Note on materials ANSI-COMPINITY VMAC24364 zone III Material process valve housing Guinmetal (red brass) | Design | Poppet valve with piston drive |
| Mounting position Type of mounting Line connection Threaded coupling 1/2 NPT as per ANSI/ASME B 1.20.1 Nominal size 12 mm Valve function 2/2-way, closed, monostable Flow direction Non-reversible Medium pressure 0 MPa 1.6 MPa Medium pressure 0 obar 16 bar Nominal pressure PN 16 Exhaust-air function Without flow control option Type of reset Mechanical spring Type of piloting Externally controlled Pneumatic connection Peralute pressure 0 6 MPa 1 MPa Operating pressure 0 6 MPa 1 MPa Operating pressure 0 6 MPa 1 MPa Operating pressure 0 6 bar 10 bar Operating pressure 0 Medium Mineral oil-based hydraulic fluid linet 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 10 °C 80 °C Ambient lemperature 10 °C 80 °C A | Type of actuation | Pneumatic |
| In-line installation Line connection Threaded coupling 1/2 NPT as per ANSI/ASME B 1.20.1 Nominal size 12 mm 2/2-way, closed, monostable Flow direction Non-reversible Medium pressure 0 MPa 1.6 MPa Medium pressure 0 Obar 16 bar Nominal pressure PN 16 Exhaust-air function Without flow control option Type of piloting Externally controlled Pneumatic connection Female thread G1/8 Operating pressure 0 6 bar 10 bar Operating pressure 6 bar 10 bar Operating pressure 9 Operating pressure 9 Operating size 145 psi Symbol 00991367 Medium Without flow control option 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 1-10 °C 80 °C Ambient temperature Flow rate kv 3,7 m³/h Note on materials LABS (PWIS) conformity VDMA24364 zone III Material process valve housing | Sealing principle | Soft |
| Line connection Nominal size 12 mm 72-way, closed, monostable Flow direction Non-reversible Medium pressure O MPa 1.6 MPa Medium pressure O bar 16 bar Nominal pressure PN Exhaust-air function Type of rioting Preseure Operating pressure Operati | Mounting position | optional |
| Nominal size Valve function 2/2-way, closed, monostable Flow direction Non-reversible Medium pressure 0 MPa 1.6 MPa Medium pressure 0 Obar 16 bar Nominal pressure PN 16 Exhaust-air function Without flow control option Type of reset Mechanical spring Externally controlled Preumatic connection Preumatic connection Permale thread 61/8 Operating pressure 0.6 MPa 1 MPa Operating pressure 87 psi 145 psi Symbol Operating pressure 87 psi 145 psi Symbol Operating pressure 90 perating pressure 90 perati | Type of mounting | In-line installation |
| Valve function 2/2-way, closed, monostable Flow direction Non-reversible Medium pressure 0 MPa 1.6 MPa Medium pressure 0 Obar 16 bar Nominal pressure PN 16 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 Mpa 1 MPa Operating pressure 6 bar 10 bar Operating pressure 87 psi 145 psi Symbol 00991367 Medium Vapour Mineral oil-based hydraulic fluid Inert gases Mineral oil Meater of 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° °C 60 °C Flow rate Kv 3.7 m³/h Note on materials Rolls (MMA) Sulva (MMA) Sulva (MMA) Sulva (MMA) Operating Medium Rolls (MMA) Note on materials LABS (PWIS) conformity VDMA24364 zone III Material process valve housing Gunmetal (red brass) | Line connection | Threaded coupling 1/2 NPT as per ANSI/ASME B 1.20.1 |
| Flow direction Non-reversible Medium pressure 0 MPa 1.6 MPa Medium pressure 0 Obar 16 bar Nominal pressure PN 16 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 MPa 1 MPa Operating pressure 6 bar 10 bar Operating pressure 87 psi 145 psi Symbol 00991367 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 -10°C 80°C Ambient temperature -10°C 80°C Ambient temperature -10°C 60°C Flow rate Kv 3.7 m³/h Note on materials RoHS-compliant LABS (PWIS) conformity VDMA24364 zone III Material process valve housing Gunmetal (red brass) | Nominal size | 12 mm |
| Medium pressure O MPa 1.6 MPa Medium pressure O bar 16 bar Nominal pressure PN 16 Exhaust-air function Without flow control option Type of reset Mechanical spring Pneumatic connection Operating pressure O,6 MPa 1 MPa Operating pressure O,6 MPa 1 MPa Operating pressure Operating hybrid pressure Nimeral 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 -10 °C 80 °C Ambient temperature -10 °C 80 °C Ambient temperature -10 °C 60 °C Flow rate KV Operating metalis RoHS-compliant LABS (PWIS) conformity VDMA24364 zone III Material process valve housing | Valve function | 2/2-way, closed, monostable |
| Medium pressure Nominal pressure PN Exhaust-air function Without flow control option Type of reset Mechanical spring Externally controlled Pneumatic connection Female thread G1/8 Operating pressure Och MPa 1 MPa 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 Direction of flow Departing medium Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity 600 mm²/5 Media temperature -10 °C 80 °C Ambient temperature Ambient temperature -10 °C 80 °C Ambient temperature Ambient temperature -10 °C 80 °C Ambient temperature Ambient temperature Ambient temperature -10 °C 80 °C Ambient temperature Ambient temperature -10 °C 80 °C Ambient temperature Ambient temperature -10 °C 80 °C -10 ° | Flow direction | Non-reversible |
| Nominal pressure PN 16 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 MPa 1 MPa Operating pressure 6 bar 10 bar Operating pressure 87 psi 145 psi Symbol 00991367 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 -10 °C 80 °C Ambient temperature -10 °C 80 °C Ambient temperature -10 °C 80 °C Flow rate KV 3.7 m³/h Note on materials RoHS-compliant LABS (PWIS) conformity VDMA24364 zone III Material process valve housing Gunmetal (red brass) | Medium pressure | 0 MPa 1.6 MPa |
| Exhaust-air function Type of reset Mechanical spring Externally controlled Pneumatic connection Female thread G1/8 Operating pressure O,6 MPa 1 MPa Operating pressure Symbol Operating Medium Mareral oil-based hydraulic fluid Inert gases Mineral oil based hydraulic fluid Inert gases Mineral fluids Inert gases Mineral fluids Operating medium Direction of flow Derating medium Operating medium 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 -10 °C 80 °C Ambient temperature -10 °C 80 °C Ambient temperature -10 °C 60 °C Flow rate KV 3.7 m³/h Note on materials ROHS-compliant LABS (PWIS) conformity VDMA24364 zone III Material process valve housing Gunmetal (red brass) | Medium pressure | 0 bar 16 bar |
| Type of reset Type of piloting Externally controlled Pneumatic connection Female thread G1/8 Operating pressure O.6 MPa 1 MPa Operating pressure 6 bar 10 bar Operating pressure Operating pressure Operating pressure 87 psi 145 psi Operating pressure Vapour Mineral oil-based hydraulic fluid Inert gases Mineral oil Water Filtered compressed air, grade of filtration 200 μm Neutral fluids Operating medium Coperating medium Coperating medium Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity Media temperature -10 °C 80 °C Ambient temperature -10 °C 80 °C Ambient temperature -10 °C 60 °C Flow rate KV 3.7 m³/h Note on materials ReHS-compliant LABS (PWIS) conformity VDMA24364 zone III Material process valve housing Gunmetal (red brass) | Nominal pressure PN | 16 |
| Type of piloting Externally controlled Pneumatic connection Female thread G1/8 Operating pressure 0.6 MPa 1 MPa Operating pressure 6 bar 10 bar Operating pressure 87 psi 145 psi Symbol 00991367 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 -10 °C 80 °C Ambient temperature -10 °C 60 °C Flow rate Kv 3.7 m³/h Note on materials RoHS-compliant LABS (PWIS) conformity VDMA24364 zone III Material process valve housing Gunmetal (red brass) | Exhaust-air function | Without flow control option |
| Pneumatic connection Pneumatic connection Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Symbol Medium Medium Medium Direction of flow Operating medium Operating medium Operating medium Operating medium Operating medium 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 -10 °C 80 °C Ambient temperature -10 °C 80 °C Ambient temperature -10 °C 80 °C Flow rate Kv 3.7 m³/h Note on materials RoHS-compliant LABS (PWIS) conformity Material process valve housing Gunmetal (red brass) | Type of reset | Mechanical spring |
| Operating pressure 0.6 MPa 1 MPa Operating pressure 87 psi 145 psi Symbol 00991367 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 -10 °C 80 °C Ambient temperature -10 °C 60 °C Flow rate Kv 3.7 m³/h Note on materials RoHS-compliant LABS (PWIS) conformity VDMA24364 zone III Material process valve housing Gunmetal (red brass) | Type of piloting | Externally controlled |
| Operating pressure 6 bar 10 bar Operating pressure 87 psi 145 psi Symbol 00991367 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 -10 °C 80 °C Ambient temperature -10 °C 60 °C Flow rate KV 3.7 m³/h Note on materials RoHS-compliant LABS (PWIS) conformity VDMA24364 zone III Material process valve housing Gunmetal (red brass) | Pneumatic connection | Female thread G1/8 |
| Operating pressure 87 psi 145 psi Symbol 00991367 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 -10 °C 80 °C Ambient temperature -10 °C 60 °C Flow rate Kv 3.7 m³/h Note on materials RoHS-compliant LABS (PWIS) conformity VDMA24364 zone III Material process valve housing Gunmetal (red brass) | Operating pressure | 0.6 MPa 1 MPa |
| Symbol00991367MediumVapour Mineral oil-based hydraulic fluid Inert gases Mineral oil Water Filtered compressed air, grade of filtration 200 μm Neutral fluidsDirection of flowBelow valve seat, for gaseous and liquid mediaOperating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Max. viscosity600 mm²/sMedia temperature-10 °C 80 °CAmbient temperature-10 °C 60 °CFlow rate Kv3.7 m³/hNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIMaterial process valve housingGunmetal (red brass) | Operating pressure | 6 bar 10 bar |
| 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 -10 °C 80 °C Ambient temperature -10 °C 60 °C Flow rate Kv 3.7 m³/h Note on materials RoHS-compliant LABS (PWIS) conformity VDMA24364 zone III Material process valve housing Gunmetal (red brass) | Operating pressure | 87 psi 145 psi |
| 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 -10 °C 80 °C Ambient temperature -10 °C 60 °C Flow rate Kv 3.7 m³/h Note on materials RoHS-compliant LABS (PWIS) conformity VDMA24364 zone III Material process valve housing Gunmetal (red brass) | Symbol | 00991367 |
| Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Max. viscosity 600 mm²/s Media temperature -10 °C 80 °C Ambient temperature -10 °C 60 °C Flow rate Kv 3.7 m³/h Note on materials RoHS-compliant LABS (PWIS) conformity VDMA24364 zone III Material process valve housing Gunmetal (red brass) | Medium | Mineral oil-based hydraulic fluid Inert gases Mineral oil Water Filtered compressed air, grade of filtration 200 µm |
| Max. viscosity Media temperature -10 °C 80 °C Ambient temperature -10 °C 60 °C Flow rate Kv 3.7 m³/h Note on materials ROHS-compliant LABS (PWIS) conformity VDMA24364 zone III Material process valve housing 600 mm²/s -10 °C 80 °C -10 °C 60 °C ROHS-compliant VDMA24364 zone III Gunmetal (red brass) | Direction of flow | Below valve seat, for gaseous and liquid media |
| Media temperature -10 °C 80 °C Ambient temperature -10 °C 60 °C Flow rate Kv 3.7 m³/h Note on materials RoHS-compliant LABS (PWIS) conformity VDMA24364 zone III Material process valve housing Gunmetal (red brass) | Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Ambient temperature -10 °C 60 °C Flow rate Kv 3.7 m³/h Note on materials RoHS-compliant LABS (PWIS) conformity VDMA24364 zone III Material process valve housing Gunmetal (red brass) | Max. viscosity | 600 mm ² /s |
| Flow rate Kv 3.7 m³/h Note on materials RoHS-compliant LABS (PWIS) conformity VDMA24364 zone III Material process valve housing Gunmetal (red brass) | Media temperature | -10 °C 80 °C |
| Note on materials RoHS-compliant LABS (PWIS) conformity VDMA24364 zone III Material process valve housing Gunmetal (red brass) | Ambient temperature | -10 °C 60 °C |
| LABS (PWIS) conformity VDMA24364 zone III Material process valve housing Gunmetal (red brass) | Flow rate Kv | 3.7 m³/h |
| Material process valve housing Gunmetal (red brass) | Note on materials | RoHS-compliant |
| · | LABS (PWIS) conformity | VDMA24364 zone III |
| Material number process valve housing CC499K | Material process valve housing | Gunmetal (red brass) |
| | Material number process valve housing | CC499K |

| Feature | Value |
|--------------------------------|--------------------------|
| Material spindle seal | NBR |
| Material seat seal | PTFE |
| Product weight | 1200 g |
| Corrosion resistance class CRC | 1 - Low corrosion stress |
| Material drive housing | Brass |