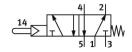
Stem actuated valve VMEF-SC-M52-M-N14

FESTO

Part number: 8031321





Data sheet

| Average of actuation Mechanical Construction width 20 mm Standard nominal flow rate (standardised to DIN 1343) 1200 l/min Departing pressure 0.25 MPa1 MPa 2.5 bar10 bar Departing pressure 2.5 MPa1 MPa 2.5 bar10 bar Design Piston gate valve Wechanical spring Nominal size 7 mm Instructions on use Do not use as a mechanical stop Sealing principle Soft Wounting position optional Pilot actuated Pilot actuated Pilot ari supply Internal Pilot of ressure 0.25 MPa1 MPa 2.5 bar10 bar 2.6 MPa1 MPa 2.5 bar10 bar 3.6.25 psi145 psi Max. switching frequency 3 Hz Explosion protection 20ne 12 (ATEX) 20ne 21 (ATEX) 20ne 22 (ATEX) 20ne 21 (ATEX) 20 | Feature | Value |
|--|---|---|
| Construction width 20 mm Standard nominal flow rate (standardised to DIN 1343) 1200 I/min Denoumatic working port 1/4 NPT Operating pressure 2.5 bar 10 bar Design Piston gate valve Type of reset Mechanical spring Nominal size 7 mm Do not use as a mechanical stop Sealing principle Soft Would are supply Internal Pliot actuated Pilot air supply Internal Plow direction Non-reversible Do verlap Pilot pressure 2.5 bar 10 bar 36.25 psi 145 psi Max. switching frequency 3 Hz Explosion protection 200 | Valve function | 5/2-way, monostable |
| Standard nominal flow rate (standardised to DIN 1343) 1200 l/min 1/4 NPT 1/4 NPT 1/5 bar10 Mpa MPa 2.5 bar10 bar Piston gate valve Mechanical spring Nominal size 7 mm 1.5 oncurrence Sealing principle Soft Mounting position Optional Piot actuated Piot air supply Internal Flow direction Applications Application | Type of actuation | Mechanical |
| Intermatic working port I /4 NPT Operating pressure Ocesign Piston gate valve Operating of reset Mechanical spring Nominal size T mm Do not use as a mechanical stop Sealing principle Soft Mounting position Optional Optional Optional Optional Pilot actuated Pilot actuated Pilot air supply Internal Non-reversible Operating Overlap Overlap Overlap Overlap Overlap Overlap Overlap Oxion protection Max. switching frequency 3 Hz Explosion protection Compressed air to ISO 8573-1:2010 [7:] Note on operating and pilot medium Lubricated operation prossible (in which case lubricated operation will always be required) Corrosion resistance class CRC Ambient temperature Ambient temperature 10 °C60 °C | Construction width | 20 mm |
| Departing pressure Design Design Piston gate valve (Yope of reset Nominal size T mm Do not use as a mechanical stop Soft Mounting position Overlap Pilot actuated Pilot air supply Internal Power direction Non-reversible Do vertap Pilot pressure Design Assistic para, 10 bar 36.25 psi14 psi Zone 2 (ATEX) Zone 2 (ATE | Standard nominal flow rate (standardised to DIN 1343) | 1200 l/min |
| 2.5 bar10 bar Piston gate valve Piston gate valve Mechanical spring 7 mm Do not use as a mechanical stop Sealing principle Soft Mounting position Optional Pijot actuated Pilot air supply Internal Non-reversible App Overlap Overlap Pilot pressure O.25 MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi Max. switching frequency 3 Hz Explosion protection Operating medium Compressed air to ISO 8573-1:2010 [7::-] Note on operating and pilot medium Lubricated Operation surses ABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature Anbient temperature Piston gate valve Mechanical spring Piston gate valve Media temperature Do not use as a mechanical stop Soft Mechanical spring Piston gate valve Media temperature Pon to use as a mechanical stop Soft Mechanical spring Piston gate valve Media temperature Pon to use as a mechanical stop Soft Mechanical spring Piston gate valve Media temperature Pon to use as a mechanical stop Soft Mechanical spring Piston gate valve Assorbing Pon to use as a mechanical stop Soft Tom Tom Mechanical spring Piston gate valve Assorbing Piston gate valve Pion on use as a mechanical stop Op not use as a mechanical stop Soft Pimble valve Assorbing Piston gate valve Pind Assorbing Piston gate valve Piston gate | pneumatic working port | 1/4 NPT |
| Mechanical spring Nominal size 7 mm Instructions on use Do not use as a mechanical stop Sealing principle Soft Mounting position Optional Type of piloting Pilot actuated Pilot air supply Internal Pilot will pressure Overlap Overlap Pilot pressure Oze MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi Max. switching frequency Satistic protection Operating medium Operating medium Compressed air to ISO 8573-1:2010 [7:-:-] Vote on operating and pilot medium Under temperature Operating temperature Operating medium Operating temperature Operating medium Operating temperature Operating medium Operating temperature Operating temperature Operating consideration Operating temperature Operating consideration Operating temperature Operating consideration | Operating pressure | |
| And with a size instructions on use instructions in the size of principle instruction in the size of the size | Design | Piston gate valve |
| Do not use as a mechanical stop Sealing principle Soft Mounting position Optional Type of piloting Pilot actuated Pilot air supply Internal Tow direction Overlap Pilot pressure Ocean Supply Overlap Pilot pressure Ocean Supply Overlap Pilot pressure Ocean Supply Overlap Overlap Overlap Ocean Supply Overlap Ocean Supply Overlap Ocean Supply Ocean | Type of reset | Mechanical spring |
| Sealing principle Soft Mounting position Optional Pilot actuated Pilot actuated Pilot air supply Internal Non-reversible Overlap Overlap Pilot pressure O.25 MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi Max. switching frequency 3 Hz Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress AMS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C Ambient temperature -10 °C60 °C | Nominal size | 7 mm |
| Mounting position optional Pilot actuated Pilot air supply Internal Non-reversible ap Overlap Overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi Max. switching frequency 3 Hz Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Poperating medium Compressed air to ISO 8573-1:2010 [7:] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C Ambient temperature -10 °C60 °C | Instructions on use | Do not use as a mechanical stop |
| Pilot actuated Pilot air supply Internal Pilot air supply Internal Pilot air supply Internal Pilot air supply Internal Pilot pressure Overlap | Sealing principle | Soft |
| Internal Non-reversible Overlap Overlap Overlap Overlap Ozer MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi Max. switching frequency Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Cone 22 (ATEX) Cone 22 (ATEX) Cone 25 MPa10 bar 36.25 psi145 psi University of the description Deparating medium Compressed air to ISO 8573-1:2010 [7:] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C Ambient temperature -10 °C60 °C | Mounting position | optional |
| Non-reversible Overlap Overlap O.25 MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi Max. switching frequency Steplosion protection Operating medium Compressed air to ISO 8573-1:2010 [7:::-] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C Ambient temperature -10 °C60 °C | Type of piloting | Pilot actuated |
| Overlap O.25 MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi Max. switching frequency Sample State | Pilot air supply | Internal |
| Dilot pressure 0.25 MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi Max. switching frequency 3 Hz Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Deparating medium Compressed air to ISO 8573-1:2010 [7:-:-] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 · Moderate corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C Ambient temperature -10 °C60 °C | Flow direction | Non-reversible |
| 2.5 bar10 bar 36.25 psi145 psi Max. switching frequency 3 Hz Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Deparating medium Compressed air to ISO 8573-1:2010 [7:-:-] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C Ambient temperature -10 °C60 °C | lap | Overlap |
| Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Departing medium Compressed air to ISO 8573-1:2010 [7:-:-] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C Ambient temperature -10 °C60 °C | Pilot pressure | 2.5 bar10 bar |
| Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Deparating medium Compressed air to ISO 8573-1:2010 [7:-:-] Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C Ambient temperature -10 °C60 °C | Max. switching frequency | 3 Hz |
| Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress VDMA24364-B1/B2-L Vedia temperature -10 °C60 °C Ambient temperature -10 °C60 °C | Explosion protection | Zone 2 (ATEX) Zone 21 (ATEX) |
| always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Hedia temperature -10 °C60 °C Ambient temperature -10 °C60 °C | Operating medium | Compressed air to ISO 8573-1:2010 [7:-:-] |
| ABS (PWIS) conformity VDMA24364-B1/B2-L 4ndia temperature -10 °C60 °C -10 °C60 °C -10 °C60 °C | Note on operating and pilot medium | |
| Media temperature -10 °C60 °C -10 °C60 °C | Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| Ambient temperature -10 °C60 °C | LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| | Media temperature | -10 °C60 °C |
| Actuating force 14 N | Ambient temperature | -10 °C60 °C |
| | Actuating force | 14 N |

| Feature | Value |
|------------------------------|----------------------------------|
| Product weight | 184 g |
| Type of mounting | With through-hole |
| Pilot air port 12/14 | M5 |
| Pneumatic connection, port 1 | 1/4 NPT |
| Pneumatic connection, port 2 | 1/4 NPT |
| Pneumatic connection, port 3 | 1/4 NPT |
| Pneumatic connection, port 4 | 1/4 NPT |
| Pneumatic connection, port 5 | 1/4 NPT |
| Note on materials | RoHS-compliant |
| Material cover | PA-reinforced |
| Material seals | NBR |
| Material housing | Anodised wrought aluminium alloy |