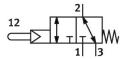
Stem actuated valve VMEF-STC-M32-M-G18

FESTO

Part number: 8031331





Data sheet

always be required)	eature	Value
Construction width Standard nominal flow rate (standardised to DIN 1343) pneumatic working port Operating pressure Osa MPa1 MPa 3.5 bar10 bar Poppet seat Type of reset Nominal size Instructions on use Sealing principle Soft Mounting position Type of piloting Pilot actuated Pilot air supply Flow direction Reversible Iap Zero overlap Pilot pressure O.35 MPa1 MPa 3.5 bar10 bar 50.75 psi145 psi Max. switching frequency Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Compressed air to ISO 8573-1:2010 [7::-:] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation always be required)	alve function	3/2-way, closed, monostable
Standard nominal flow rate (standardised to DIN 1343) pneumatic working port Operating pressure Operating pressure Osign Poppet seat Type of reset Mounting position Pilot actuated Pilot are supply Flow direction Iap Pilot pressure Osign Max. switching frequency Explosion protection Compressed air to ISO 8573-1:2010 [7::-] Note on operating and pilot medium Type of popt seat Osign Osign	ype of actuation	Mechanical
pneumatic working port Operating pressure Poppet seat Type of reset Mechanical spring Nominal size Soft Do not use as a mechanical stop Sealing principle Soft Mounting position Type of piloting Pilot actuated Pilot air supply Internal Flow direction Reversible lap Zero overlap Pilot pressure O.35 MPa1 MPa 3.5 bar10 bar 50.75 psi145 psi Max. switching frequency Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (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 always be required)	Construction width	20 mm
Operating pressure 0.35 MPa1 MPa 3.5 bar10 bar Poppet seat Type of reset Mechanical spring Nominal size 5.6 mm Instructions on use Do not use as a mechanical stop Sealing principle Soft Mounting position Type of piloting Pilot actuated Pilot air supply Internal Flow direction Iap Zero overlap Pilot pressure 0.35 MPa1 MPa 3.5 bar10 bar 3.5 bar10 bar 50.75 psi145 psi Max. switching frequency 3 Hz Explosion protection Zone 1 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Cone perating and pilot medium Lubricated operation possible (in which case lubricated operation always be required)	standard nominal flow rate (standardised to DIN 1343)	750 l/min
Design Poppet seat Type of reset Mechanical spring Nominal size 5.6 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 Flow direction Reversible Iap Zero overlap Pilot pressure 0.35 MPa1 MPa 3.5 bar10 bar 5.0.75 psi145 psi Max. switching frequency 3 Hz Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Coperating medium Compressed air to ISO 8573-1:2010 [7::] Note on operating and pilot medium Lubricated operation always be required)	neumatic working port	G1/8
Type of reset Nominal size Instructions on use Sealing principle Mounting position Type of piloting Pilot actuated Pilot ari supply Internal Flow direction Iap Zero overlap Pilot pressure 0.35 MPa1 MPa 3.5 bar10 bar 50.75 psi145 psi Max. switching frequency Isplosion 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 Mechanical spring Denote a mechanical stop Soft Mounting position Optional Pilot actuated Pilot actuated Pilot actuated Optional Pilot actuated Optional Internal Reversible 2are overlap O.35 MPa1 MPa 3.5 bar10 bar 50.75 psi145 psi At Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Compressed air to ISO 8573-1:2010 [7:] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation always be required))perating pressure	
Nominal size Instructions on use Do not use as a mechanical stop Sealing principle Soft Mounting position Type of piloting Pilot actuated Pilot ar supply Internal Flow direction Reversible lap Zero overlap Pilot pressure 0.35 MPa1 MPa 3.5 bar10 bar 50.75 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 always be required)	Design	Poppet seat
Instructions on use Do not use as a mechanical stop Sealing principle Mounting position Type of piloting Pilot actuated Pilot air supply Internal Flow direction Reversible Iap Zero overlap Pilot pressure 0.35 MPa1 MPa 3.5 bar10 bar 50.75 psi145 psi Max. switching frequency 3 Hz Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Cone 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 always be required)	ype of reset	Mechanical spring
Sealing principle Mounting position Type of piloting Pilot actuated Pilot air supply Internal Flow direction Reversible lap Zero overlap Pilot pressure 0.35 MPa1 MPa 3.5 bar10 bar 50.75 psi145 psi Max. switching frequency 3 Hz Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (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 always be required)	lominal size	5.6 mm
Mounting position Type of piloting Pilot actuated Pilot air supply Internal Flow direction Reversible lap Zero overlap Pilot pressure 0.35 MPa1 MPa 3.5 bar10 bar 50.75 psi145 psi Max. switching frequency 3 Hz Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (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 always be required)	nstructions on use	Do not use as a mechanical stop
Type of piloting Pilot actuated Pilot air supply Internal Flow direction Reversible lap Zero overlap Pilot pressure 0.35 MPa1 MPa 3.5 bar10 bar 50.75 psi145 psi Max. switching frequency 3 Hz Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:-:-] Note on operating and pilot medium Lubricated operation always be required)	sealing principle	Soft
Pilot air supply Reversible lap Zero overlap Pilot pressure 0.35 MPa1 MPa 3.5 bar10 bar 50.75 psi145 psi Max. switching frequency Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (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 always be required)	Aounting position	optional
Flow direction Reversible Iap Zero overlap Pilot pressure 0.35 MPa1 MPa 3.5 bar10 bar 50.75 psi145 psi Max. switching frequency 3 Hz Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (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 always be required)	ype of piloting	Pilot actuated
lap Zero overlap Pilot pressure 0.35 MPa1 MPa 3.5 bar10 bar 50.75 psi145 psi Max. switching frequency 3 Hz Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (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 always be required)	ilot air supply	Internal
Pilot pressure 0.35 MPa1 MPa 3.5 bar10 bar 50.75 psi145 psi Max. switching frequency 3 Hz Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (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 always be required)	low direction	Reversible
3.5 bar10 bar 50.75 psi145 psi Max. switching frequency 3 Hz Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (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 always be required)	ap	Zero overlap
Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (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 always be required)	ilot pressure	3.5 bar10 bar
Zone 2 (ATEX) Zone 21 (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 always be required)	Λax. switching frequency	3 Hz
Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation always be required)	xplosion protection	Zone 2 (ATEX) Zone 21 (ATEX)
always be required))perating medium	Compressed air to ISO 8573-1:2010 [7:-:-]
Corrosion resistance class CRC 2 - Moderate corrosion stress	lote on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
2 moderate consistence	Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity VDMA24364-B1/B2-L	ABS (PWIS) conformity	VDMA24364-B1/B2-L
Media temperature -10 °C60 °C	Λedia temperature	-10 °C60 °C
Ambient temperature -10 °C60 °C	umbient temperature	-10 °C60 °C
Actuating force 14 N	actuating force	14 N

Feature	Value
Product weight	131 g
Type of mounting	With through-hole
Pilot air port 12/14	M5
Pneumatic connection, port 1	G1/8
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	G1/8
Note on materials	RoHS-compliant
Material cover	PA-reinforced
Material seals	NBR
Material housing	Anodised wrought aluminium alloy