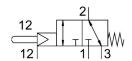
## Stem actuated valve VMEF-STCZ-M32-M-N18

**FESTO** 

Part number: 8031337





General operating condition

Actuation type  Mechanical  Width  20 mm  Standard nominal flow rate  750 l/min  Pneumatic working port  1/8 NPT  Operating pressure  -0.095 MPa 1 MPa  Operating pressure  -0.95 bar 10 bar  Structural design  Plate seat  Reset method  Mechanical spring  Nominal width  5.6 mm  Application note  Do not use as mechanical stop  Sealing principle  Soft  Mounting position  Any  Type of control  Pilot-controlled  External  Flow direction  Reversible  Symbol  0.0995674  Lap  Pilot pressure MPa  Pilot pressure MPa  Pilot pressure psi  A3.5 psi 145 psi  Max. switching frequency  Explosion prevention and protection  Come 22 (ATEX)  Zone 1 (STEX)  Zone 22 (ATEX)  Zone 23 (ATEX)  Zone 24 (ATEX)  Zone 26 (ATEX)  Zone 27 (ATEX)	Feature	Value
Standard nominal flow rate	Valve function	3/2, closed, monostable
Standard nominal flow rate 750 l/min Pneumatic working port 1/8 NPT Operating pressure -0.095 MPa 1 MPa Operating pressure -0.95 bar 10 bar Structural design Plate seat Reset method Mechanical spring Nominal width 5.6 mm Application note Do not use as mechanical stop Sealing principle Soft Mounting position Any Type of control Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol 00995674 Lap Zero overlap Pilot pressure MPa 0.3 MPa 1 MPa Pilot pressure MPa Pilot pressure MPa Pilot pressure 3 bar 10 bar Pilot pressure 9 Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Corrosion resistance class (CRC) - Moderate corrosion stress LABS (PWIS) conformity VMA24364-B1/B2-L Temperature of medium -10 °C 60 °C Arbitation Survey Product weight -131 g Type of mounting With through-hole	Actuation type	Mechanical
Pneumatic working port  Operating pressure  Plate seat  Reset method  Mechanical spring  Nominal width  Sealing principle  Soft  Mounting position  Any  Type of control  Pilot air supply port  External  Flow direction  Reversible  Symbol  Operating Pressure  Operating Pressure  Operating pressure  Spilot pressure psi  Max. switching frequency  Explosion prevention and protection  Operating medium  Compressed air as per ISO 8573-1:2010 [7:**]  Information on operating and pilot media  Operating medium  Operating with only only  VDMA24364-B1/B2-L  Temperature of medium  -10 °C 60 °C  Ambient temperature  Archausing force  Product weight  Type of mounting  With through-hole	Width	20 mm
Operating pressure Operating medium Operating and pilot media Operating pressure Operating pressure Operating medium Operature of operature of op	Standard nominal flow rate	750 l/min
Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating nedium Operating medium Operating medium Information on operating and pilot media Operating medium Information on operating and pilot media Operating Media Operating Media Operating force Operating	Pneumatic working port	1/8 NPT
Structural design Plate seat  Reset method Mechanical spring  Nominal width 5.6 mm  Application note Do not use as mechanical stop  Sealing principle Soft  Mounting position Any  Type of control Pilot-controlled  Pilot air supply port External  Flow direction Reversible  Symbol 00995674  Lap Zero overlap  Pilot pressure MPa 0.3 MPa 1 MPa  Pilot pressure si 43.5 psi 145 psi  Max. switching frequency 3 Hz  Explosion prevention and protection Zone 1 (ATEX)  Zone 2 (MTEX)  Zone	Operating pressure	-0.095 MPa 1 MPa
Reset method  Mechanical spring  Nominal width  5.6 mm  Application note  Do not use as mechanical stop  Sealing principle  Soft  Mounting position  Any  Type of control  Pilot air supply port  External  Flow direction  Reversible  Symbol  Lap  Zero overlap  Pilot pressure MPa  3 bar 10 bar  Pilot pressure psi  Max. switching frequency  Explosion prevention and protection  Zone 1 (ATEX)  Zone 2 (ATEX)  Zone 21 (ATEX)  Zone 22 (ATEX)  Zone 22 (ATEX)  Corrosion resistance class (CRC)  2 Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Temperature of medium  - 10 °C 60 °C  Actuating force  Actuating force  14 N  Product weight  Type of mounting  With through-hole	Operating pressure	-0.95 bar 10 bar
Nominal width  Application note  Do not use as mechanical stop  Sealing principle  Soft  Mounting position  Any  Type of control  Pilot-controlled  Pilot air supply port  External  Flow direction  Reversible  Symbol  Lap  Zero overlap  Pilot pressure MPa  10.3 MPa 1 MPa  Pilot pressure psi  Max. witching frequency  Explosion prevention and protection  Zone 1 (ATEX)  Zone 2 (ATEX)  Cornosion resistance class (CRC)  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Temperature of medium  -10 °C 60 °C  Actuating force  Actuating force  14 N  Product weight  Type of mounting  With through-hole	Structural design	Plate seat
Application note  Sealing principle  Soft  Mounting position  Any Type of control  Pilot-controlled  Pilot air supply port  External  Flow direction  Reversible  Symbol  Lap  Zero overlap  Pilot pressure MPa  Pilot pressure psi  Max. switching frequency  Explosion prevention and protection  Operating medium  Compressed air as per ISO 8573-1:2010 [7::-]  Information on operating and pilot media  Operation resistance class (CRC)  2 - Moderate corrosion stress  Actuating force  Actuating force  Actuating force  Als 13 g  With through-hole  With through-hole  Pilot pressure  Do not use as mechanical stop  Soft  Any  Any  Any  Any  Any  Any  Any  An	Reset method	Mechanical spring
Sealing principle  Soft  Mounting position  Any  Type of control  Pilot-controlled  Pilot air supply port  External  Flow direction  Reversible  Symbol  O0995674  Lap  Zero overlap  Pilot pressure MPa  Pilot pressure psi  Max. switching frequency  Explosion prevention and protection  Operating medium  Compressed air as per ISO 8573-1:2010 [7:]  Information on operating and pilot media  Operation with oil lubrication possible (required for further use)  Corrosion resistance class (CRC)  2 - Moderate corrosion stress  Autuating force  Autuating force  Atuating force  14 N  Product weight  Type of mounting  With through-hole	Nominal width	5.6 mm
Mounting position Type of control Pilot controlled Pilot air supply port External Flow direction Reversible Symbol Lap Zero overlap Pilot pressure MPa O.3 MPa 1 MPa Pilot pressure psi Max. switching frequency Explosion prevention and protection Corporating medium Corporating medium Corporating sand pilot media Corrosion resistance class (CRC) LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium Pilot pressure Any Any Product weight Type of mounting With through-hole  External Pilot pressure Any Reversible External Reversible E	Application note	Do not use as mechanical stop
Pilot controlled Pilot air supply port External Flow direction Reversible Symbol O0995674 Lap Zero overlap Pilot pressure MPa O.3 MPa 1 MPa Pilot pressure psi A3.5 psi 145 psi Max. switching frequency Explosion prevention and protection Corrosion resistance class (CRC) Corrosion resistance class (CRC) LABS (PWIS) conformity Temperature of medium -10 °C 60 °C Actuating force Hond Corrosion tesistance Are for mounting Pilot-controlled External External Reversible Seversible Severs	Sealing principle	Soft
Pilot air supply port  External  Flow direction  Reversible  Symbol  O0995674  Lap  Zero overlap  Pilot pressure MPa  O.3 MPa 1 MPa  Pilot pressure psi  Max. switching frequency  Explosion prevention and protection  Operating medium  Compressed air as per ISO 8573-1:2010 [7:-:-]  Information on operating and pilot media  Corrosion resistance class (CRC)  LABS (PWIS) conformity  Tome 2 (ATEX)  Tomeration on operating and pilot media  Operation with oil lubrication possible (required for further use)  Tomerature of medium  -10 °C 60 °C  Ambient temperature  -10 °C 60 °C  Actuating force  14 N  Product weight  Type of mounting  With through-hole	Mounting position	Any
Flow direction  Reversible  Symbol  O0995674  Lap  Zero overlap  Pilot pressure MPa  O.3 MPa 1 MPa  Pilot pressure psi  43.5 psi 145 psi  Max. switching frequency  Explosion prevention and protection  Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Cone 22 (ATEX) Coresion resistance class (CRC)  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Temperature of medium  Cross on Calculating force  14 N  Product weight  Type of mounting  With through-hole  Variable  Zero overlap  Asserting psi	Type of control	Pilot-controlled
Symbol 00995674  Lap Zero overlap  Pilot pressure MPa 0.3 MPa 1 MPa  Pilot pressure psi 3 bar 10 bar  Pilot pressure psi 43.5 psi 145 psi  Max. switching frequency 3 HZ  Explosion prevention and protection Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Cone 22 (ATEX) Cone 22 (ATEX) Cone 23 (ATEX) Cone 24 (ATEX) Cone 25 (ATEX) Cone 26 (ATEX) Cone 27 (ATEX) Cone 27 (ATEX) Cone 28 (ATEX) Cone 29 (ATEX) Cone 20 (ATEX) Cone 21 (ATEX) Cone 20 (ATEX) Cone 20 (ATEX) Cone 20 (ATEX) Cone 21 (ATEX) Cone 20 (ATEX) Cone 20 (ATEX) Cone 21 (ATEX) Cone 21 (ATEX) Cone 20 (ATEX) Cone 20 (ATEX) Cone 21 (ATEX) Cone 20 (ATEX) Cone 20 (ATEX) Cone 20 (ATEX) Cone 20 (ATEX) Cone 21 (ATEX) Cone 20 (ATEX)	Pilot air supply port	External
Zero overlap  Pilot pressure MPa  Pilot pressure Pilot pressure psi  Max. switching frequency  Explosion prevention and protection  Operating medium  Compressed air as per ISO 8573-1:2010 [7:::-]  Information on operating and pilot media  Operation with oil lubrication possible (required for further use)  Corrosion resistance class (CRC)  LABS (PWIS) conformity  Temperature of medium  To C 60 °C  Actuating force  14 N  Product weight  Type of mounting  With through-hole	Flow direction	Reversible
Pilot pressure MPa  9.3 MPa 1 MPa  3 bar 10 bar  Pilot pressure psi  43.5 psi 145 psi  Max. switching frequency  3 Hz  Explosion prevention and protection  Compressed air as per ISO 8573-1:2010 [7:]  Information on operating and pilot media  Operation with oil lubrication possible (required for further use)  Corrosion resistance class (CRC)  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Temperature of medium  -10 °C 60 °C  Ambient temperature  -10 °C 60 °C  Actuating force  14 N  Product weight  Type of mounting  With through-hole	Symbol	00995674
Pilot pressure Pilot pressure psi 43.5 psi 145 psi  Max. switching frequency 3 Hz  Explosion prevention and protection Compressed air as per ISO 8573-1:2010 [7:-:-] Information on operating and pilot media Operation with oil lubrication possible (required for further use)  Corrosion resistance class (CRC) 2 - Moderate corrosion stress  LABS (PWIS) conformity VDMA24364-B1/B2-L  Temperature of medium -10 °C 60 °C  Antiuating force 14 N  Product weight 131 g  Type of mounting With through-hole	Lap	Zero overlap
Pilot pressure psi  Max. switching frequency  Explosion prevention and protection  Explosion prevention and protection  Operating medium  Compressed air as per ISO 8573-1:2010 [7:-:-]  Information on operating and pilot media  Operation with oil lubrication possible (required for further use)  Corrosion resistance class (CRC)  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Temperature of medium  -10 °C 60 °C  Ambient temperature  Actuating force  14 N  Product weight  Type of mounting  With through-hole	Pilot pressure MPa	0.3 MPa 1 MPa
Max. switching frequency  Explosion prevention and protection  Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)  Operating medium  Compressed air as per ISO 8573-1:2010 [7:-:-]  Information on operating and pilot media  Operation with oil lubrication possible (required for further use)  Corrosion resistance class (CRC)  2 - Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Temperature of medium  -10 °C 60 °C  Anbient temperature  -10 °C 60 °C  Actuating force  14 N  Product weight  131 g  Type of mounting  With through-hole	Pilot pressure	3 bar 10 bar
Explosion prevention and protection  Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX)  Operating medium  Compressed air as per ISO 8573-1:2010 [7:-:-]  Information on operating and pilot media  Operation with oil lubrication possible (required for further use)  Corrosion resistance class (CRC)  2 - Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Temperature of medium  -10 °C 60 °C  Actuating force  14 N  Product weight  131 g  Type of mounting  With through-hole	Pilot pressure psi	43.5 psi 145 psi
Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)  Operating medium  Compressed air as per ISO 8573-1:2010 [7:-:-]  Information on operating and pilot media  Operation with oil lubrication possible (required for further use)  Corrosion resistance class (CRC)  2 · Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Temperature of medium  -10 °C 60 °C  Actuating force  14 N  Product weight  131 g  Type of mounting  With through-hole	Max. switching frequency	3 Hz
Information on operating and pilot media  Operation with oil lubrication possible (required for further use)  2 - Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Temperature of medium  -10 °C 60 °C  Ambient temperature  -10 °C 60 °C  Actuating force  14 N  Product weight  131 g  Type of mounting  With through-hole	Explosion prevention and protection	Zone 2 (ATEX) Zone 21 (ATEX)
Corrosion resistance class (CRC)  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Temperature of medium  -10 °C 60 °C  Ambient temperature  -10 °C 60 °C  Actuating force  14 N  Product weight  131 g  Type of mounting  With through-hole	Operating medium	Compressed air as per ISO 8573-1:2010 [7:-:-]
LABS (PWIS) conformity  VDMA24364-B1/B2-L  Temperature of medium  -10 °C 60 °C  Ambient temperature  -10 °C 60 °C  Actuating force  14 N  Product weight  131 g  Type of mounting  With through-hole	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Temperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C Actuating force 14 N Product weight 131 g Type of mounting With through-hole	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Ambient temperature -10 °C 60 °C  Actuating force 14 N  Product weight 131 g  Type of mounting With through-hole	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Actuating force 14 N  Product weight 131 g  Type of mounting With through-hole	Temperature of medium	-10 °C 60 °C
Product weight 131 g  Type of mounting With through-hole	Ambient temperature	-10 °C 60 °C
Type of mounting With through-hole	Actuating force	14 N
., -	Product weight	131 g
Pilot air port 12/14 M5	Type of mounting	With through-hole
	Pilot air port 12/14	M5

Feature	Value
Pneumatic connection 1	1/8 NPT
Pneumatic connection 2	1/8 NPT
Pneumatic connection 3	1/8 NPT
Note on materials	RoHS-compliant
Cover material	PA-reinforced
Seals material	NBR
Housing material	Wrought aluminum alloy, anodized