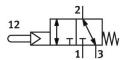
## Stem actuated valve VMEF-STC-M32-M-N18

**FESTO** 

Part number: 8031333





## **Data sheet**

Valve function       3/2-way, closed, monostable         Type of actuation       Mechanical         Construction width       20 mm         Standard nominal flow rate (standardised to DIN 1343)       750 l/min         pneumatic working port       1/8 NPT         Operating pressure       0.35 MPa 1 MPa         3.5 bar 10 bar       3.5 bar 10 bar         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         lap       Zero overlap         Pilot pressure       0.35 MPa 1 MPa         3.5 bar 10 bar       50.75 psi 145 psi         Max. switching frequency       3 Hz         Explosion protection       Zone 1 (ATEX)         Zone 2 (ATEX)       Zone 2 (ATEX)         Z		Value
Construction width  Standard nominal flow rate (standardised to DIN 1343)  pneumatic working port  Operating pressure  Operating pressure  Osign  Poppet seat  Type of reset  Mechanical spring  Nominal size  Instructions on use  Do not use as a mechanical stop  Sealing principle  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  Explosion protection  Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (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		3/2-way, closed, monostable
Standard nominal flow rate (standardised to DIN 1343)  pneumatic working port  1/8 NPT  Operating pressure  0.35 MPa1 MPa 3.5 bar10 bar  Design  Poppet seat  Type of reset  Mechanical stop  Sealing principle  Mounting position  Type of piloting  Pilot actuated  Pilot air supply  Flow direction  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 2 (ATEX) Compressed air to ISO 8573-1:2010 [7:]  Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operatior)	ion	Mechanical
pneumatic working port  Operating pressure  Operating pressure  Oss MPa1 MPa 3.5 bar10 bar  Poppet seat  Type of reset  Mechanical spring  Nominal size  Soft  Mounting position  Type of piloting  Pilot actuated  Pilot air supply  Internal  Flow direction  Reversible  Iap  Zero overlap  Pilot pressure  Oss MPa1 MPa 3.5 bar10 bar 50.75 psi145 psi  Max. switching frequency  3 Hz  Explosion protection  Zone 1 (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	ridth	20 mm
Operating pressure  O.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  Mounting position  Type of piloting  Pilot actuated  Pilot air supply  Internal  Flow direction  Reversible  Iap  Zero overlap  Pilot pressure  O.35 MPa1 MPa 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 22 (ATEX) Cone parting and pilot medium  Compressed air to ISO 8573-1:2010 [7:]  Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operation	inal flow rate (standardised to DIN 1343)	750 l/min
3.5 bar10 bar  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 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	rking port	1/8 NPT
Type of reset  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  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 22 (ATEX)  Operating medium  Compressed air to ISO 8573-1:2010 [7:]  Note on operating and pilot medium	sure	1 1
Nominal size  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  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 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		Poppet seat
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  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		Mechanical spring
Sealing principle  Soft  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)  Operating medium  Compressed air to ISO 8573-1:2010 [7:-:-]  Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operation		5.6 mm
Mounting position  Type of piloting  Pilot actuated  Pilot air supply  Internal  Flow direction  Reversible  lap  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	ı 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) Operating medium Compressed air to ISO 8573-1:2010 [7:-:-] Note on operating and pilot medium Lubricated operation	ole	Soft
Pilot air supply  Flow direction  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) Zone 22 (ATEX) Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operation	tion	optional
Flow direction  Reversible  Iap  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	g	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) Zone 22 (ATEX) Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation	,	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)		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) 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		Zero overlap
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 possible (in which case lubricated operation		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	g frequency	3 Hz
Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operation	ection	Zone 2 (ATEX) Zone 21 (ATEX)
	lium	Compressed air to ISO 8573-1:2010 [7:-:-]
	ting and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC 2 - Moderate corrosion stress	stance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity VDMA24364-B1/B2-L	onformity	VDMA24364-B1/B2-L
Media temperature -10 °C60 °C	ature	-10 °C60 °C
Ambient temperature -10 °C60 °C	erature	-10 °C60 °C
Actuating force 14 N	2	14 N

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