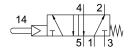
## Stem actuated valve VMEF-SC-M52-M-G18

Part number: 8031320







## **Data sheet**

Acctuation type  Mechanical  Vidith  20 mm  Acctuation from trace  750 1/min  Annumatic working port  61/8  O_25 MPa1 MPa 2.5 bar10 bar  Acceptant gressure  O not use as mechanical stop  Soft  Anum Individual sorting  Soft  Anum Individual sorting  Any  Pilot-controlled  Filot air supply port  Internal  Inte	Feature	Value
Avidith 20 mm  Istandard nominal flow rate 750 l/min  Frommatic working port 61/8  Experating pressure 2.5 bar10 bar  Piston gate valve  Reset method Mechanical spring  Istonial width 5.2 mm  Istopication note Do not use as mechanical stop  Bonotial width Soft  Any  Pilot-controlled  Internal  Isto direction Non-reversible  Appearating pressure Papearating and pilot media Operating frequency  Appearating frequency  Appearating frequency  Appearating frequency  Appearating medium  Compressed air as per ISO 8573-1:2010 [7::-]  Appearating of CC60 °C  Appearating medium  In °C60 °C  Appearating medium  In °C60 °C  In °C60 °C  Internal	Valve function	5/2, monostable
tandard nominal flow rate flow returnatic working port flow returnatic working port flow returnatic working pressure  0.25 MPa1 MPa 2.5 bar10 bar flow returnation on operating and pilot media flow residency flow residency flow residence class (CRC)  ABS (PWIS) conformity emperature of medium from cannot returned frequency flow cannot returned frequency flow cannot residence class (CRC) ABS (PWIS) conformity emperature of medium  1.0 °C60 °C  1.0 °C60 °C  1.0 °C60 °C  1.0 compressure medium  1.0 °C60 °C	Actuation type	Mechanical
meumatic working port  Operating pressure  Operating medium  Operating medium  Operating medium  Operating pressure  Operating medium  Operating	Width	20 mm
Operating pressure  O.25 MPa1 MPa 2.5 bar10 bar  Piston gate valve  Reset method  Mechanical spring  Jonital width  S.2 mm  Do not use as mechanical stop  Soft  Mounting position  Any  Any  Pilot-controlled  Internal  Jow direction  Non-reversible  Operating  Overlap  Pilot pressure MPa  Jo.25 MPa1 MPa  Jospha1 MPa  Josp	Standard nominal flow rate	750 l/min
2.5 bar10 bar  Piston gate valve  teset method Mechanical spring  Joninal width 5.2 mm  Do not use as mechanical stop  sealing principle Soft  Any  ype of control Pilot-controlled  Jilot air supply port Internal  Jow direction Non-reversible  ap Overlap  Filot pressure MPa  Jo.25 MPa1 MPa  Filot pressure psi Asx. switching frequency  Ans. switching frequency  Ans. switching frequency  Appleading prevention and protection  Appleading prevention and protection  Compressed air as per ISO 8573-1:2010 [7::-]  Toroxion resistance class (CRC)  ABS (PWIS) conformity  WDMA24364-B1/B2-L  emperature of medium  To C60 °C  ambient temperature  Jon 20 C60 °C  ambient temperature	Pneumatic working port	G1/8
Mechanical spring  Joninal width  S.2 mm  Do not use as mechanical stop  Soft  Mounting position  Any  ype of control  Joninal width  Any  Pilot-controlled  Internal  Jow direction  Any  Non-reversible  Application note  Do verlap  Overlap  Overlap  Joressure MPa  Jothor pressure Pilot P	Operating pressure	
tominal width  5.2 mm  Do not use as mechanical stop  Soft  Mounting position  Any  ype of control  Pilot-controlled  Pilot air supply port  Internal  Non-reversible  Ap  Overlap  Pilot pressure MPA  Pilot pressure  2.5 bar10 bar  Pilot pressure psi  Aax. switching frequency  Altz  Xplosion prevention and protection  Deparating 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)  ABS (PWIS) conformity  Windows  Windows  Application note  Do not use as mechanical stop  Soft  Any  Do not use as mechanical stop  Soft  Any  Any  Pilot-controlled  Pilot-controlled  Pilot-controlled  Pilot-controlled  Internal  Non-reversible  Overlap  Overlap  Overlap  3.25 bar10 bar  36.25 psi145 psi  36.25 psi145 psi  36.27 psi145 psi  36.28 psi145 psi  36.29 psi145 psi  36.29 psi145 psi  36.29 psi145 psi  36.29 psi145 psi  36.20 psi145 psi  36.20 psi145 psi  36.22 psi145 psi  36.25 psi  36.25 psi145 psi  36.25	Structural design	Piston gate valve
papilication note  Do not use as mechanical stop  Soft  Any  Pilot-controlled  Pilot-controlled  Pilot air supply port  Internal  Non-reversible  Overlap  Overlap  Pilot pressure MPa  Pilot pressure silled  Pilot pressure silled  Any  Any  Any  Pilot pressure silled  Any  Pilot pressure silled  Any  Any  Any  Do not use as mechanical stop  Pilot-controlled  Internal  Non-reversible  Overlap  Overlap  Overlap  Overlap  Pilot pressure MPa  36.25 MPa1 MPa  Pilot pressure silled  Any  Any  Pilot pressure silled  Any  Do not use as mechanical stop  Pilot controlled  Internal  Non-reversible  Overlap  Overlap  Overlap  3.5 MPa1 MPa  3.6.25 MPa1 MPa  3.6.25 psi145 psi  3.6.25 psi  3.6.25 ps	Reset method	Mechanical spring
Soft  Any  your of control  Pilot-controlled  Pilot-controlled  Internal  Iow direction  Any  Overlap  Overlap  Pilot pressure MPa  Any  Xalosion prevention and protection  Compressed air as per ISO 8573-1:2010 [7::-]  Information on operating and pilot media  Operating medium  Compression resistance class (CRC)  ABS (PWIS) conformity  Wilot pressure  Soft  Any  Pilot-controlled  Internal  Internal  Internal  Internal  Internal  Internal  Overlap  O	Nominal width	5.2 mm
Any  Any  Any  Any  Pilot-controlled  Pilot-controlled  Internal  Iow direction  Ann-reversible  ap  Overlap  Overlap  O.25 MPa1 MPa  Pilot pressure MPa  Pilot pressure sitlet pressure si	Application note	Do not use as mechanical stop
Pilot-controlled Pilot-controlled Internal Inter	Sealing principle	Soft
Internal  low direction  Non-reversible  Description of the pressure MPa  Description on operating and pilot media  Description on operating of medium  Description on operating of medium  Description on operating on medium  Description on operating on oper	Mounting position	Any
Non-reversible  App Overlap Overlap Overlap Overlap O.25 MPa1 MPa  2.5 bar10 bar Silot pressure psi 36.25 psi145 psi Max. switching frequency 3 Hz  Explosion prevention and protection  Apperating medium Compressed air as per ISO 8573-1:2010 [7::] Compression on operating and pilot media Corrosion resistance class (CRC)  ABS (PWIS) conformity VDMA24364-B1/B2-L Compressed air as per ISO 8573-1:2010 [7::]  ABS (PWIS) conformity VDMA24364-B1/B2-L Compressed air as per ISO 8573-1:2010 [7::]  ABS (PWIS) conformity VDMA24364-B1/B2-L Compressed air as per ISO 8573-1:2010 [7::]  ABS (PWIS) conformity VDMA24364-B1/B2-L Compressed air as per ISO 8573-1:2010 [7::]  ABS (PWIS) conformity VDMA24364-B1/B2-L Compressed air as per ISO 8573-1:2010 [7::]  ABS (PWIS) conformity VDMA24364-B1/B2-L Compressed air as per ISO 8573-1:2010 [7::]  ABS (PWIS) conformity VDMA24364-B1/B2-L Compressed air as per ISO 8573-1:2010 [7::]  ABS (PWIS) conformity VDMA24364-B1/B2-L Compressed air as per ISO 8573-1:2010 [7::]  ABS (PWIS) conformity VDMA24364-B1/B2-L Compressed air as per ISO 8573-1:2010 [7::]  ABS (PWIS) conformity VDMA24364-B1/B2-L Compressed air as per ISO 8573-1:2010 [7::]  ABS (PWIS) conformity VDMA24364-B1/B2-L Compressed air as per ISO 8573-1:2010 [7::]  ABS (PWIS) conformity VDMA24364-B1/B2-L Compressed air as per ISO 8573-1:2010 [7::]	Type of control	Pilot-controlled
Overlap Overla	Pilot air supply port	Internal
Departing medium  formation on operating and pilot media formation on operating acceptage and pilot media formation on operating and pilot media formation on operating and pilot media formation on departing the formation on operating and pilot media formation on departing the formation on departing the formation on operating the formation on departing the formation department of the formation on department of the formation of the formation on department of the formation of th	Flow direction	Non-reversible
2.5 bar10 bar  36.25 psi145 psi  36.25 psi145 psi  36.25 psi145 psi  38.25 psi	Lap	Overlap
36.25 psi145 psi  36.25 psi145 psi  36.25 psi145 psi  3 Hz  2 cxplosion prevention and protection  2 cne 1 (ATEX) 2 cne 2 (ATEX) 2 cne 21 (ATEX) 2 cne 22 (ATEX) 2 cn	Pilot pressure MPa	0.25 MPa1 MPa
Axx. switching frequency  xplosion prevention and protection  Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)  Perating medium  Compressed air as per ISO 8573-1:2010 [7:-:-]  Compressed air as per ISO 85	Pilot pressure	2.5 bar10 bar
Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Zone 20 (ATEX) Zone 21 (ATEX) Zone 20 (ATEX) Zone 21 (ATEX) Zone 20	Pilot pressure psi	36.25 psi145 psi
Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)  Perating medium Compressed air as per ISO 8573-1:2010 [7:-:-]  Operation on operating and pilot media Operation with oil lubrication possible (required for further use)  Operation resistance class (CRC)  2 - Moderate corrosion stress  ABS (PWIS) conformity VDMA24364-B1/B2-L  emperature of medium -10 °C60 °C  Imbient temperature -10 °C60 °C	Max. switching frequency	3 Hz
Operation with oil lubrication possible (required for further use)  2 - Moderate corrosion stress  ABS (PWIS) conformity  VDMA24364-B1/B2-L  emperature of medium  -10 °C60 °C  ambient temperature  -10 °C60 °C	Explosion prevention and protection	Zone 2 (ATEX) Zone 21 (ATEX)
Corrosion resistance class (CRC)  2 - Moderate corrosion stress  ABS (PWIS) conformity  VDMA24364-B1/B2-L  remperature of medium  -10 °C60 °C  -10 °C60 °C	Operating medium	Compressed air as per ISO 8573-1:2010 [7:-:-]
ABS (PWIS) conformity  VDMA24364-B1/B2-L  emperature of medium  -10 °C60 °C  embient temperature  -10 °C60 °C	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
remperature of medium -10 °C60 °C -10 °C60 °C -10 °C60 °C	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
mbient temperature -10 °C60 °C	LABS (PWIS) conformity	•
'	Temperature of medium	-10 °C60 °C
octuating force 14 N	Ambient temperature	-10 °C60 °C
	Actuating force	14 N

Feature	Value
Product weight	151 g
Type of mounting	With through-hole
Pilot air port 12/14	M5
Pneumatic connection 1	G1/8
Pneumatic connection 2	G1/8
Pneumatic connection 3	G1/8
Pneumatic connection 4	G1/8
Pneumatic connection 5	G1/8
Note on materials	RoHS-compliant
Cover material	PA-reinforced
Seals material	NBR
Housing material	Wrought aluminum alloy, anodized