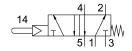
Stem actuated valve VMEF-SC-M52-M-G14

Part number: 8031319







Data sheet

Type of actuation Mechanical 20 mm Standard nominal flow rate 1200 l/min poerumatic working port 0.25 MPa1 MPa 2.5 bar10 bar Pesign Piston gate valve Mechanical spring Nominal size 7 mm Sont use as a mechanical stop Soft Mounting position Soft Mounting position Pilot actuated Pilot aris usply Internal Flow direction Non-reversible Pap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar Positive overlap Positive overlap Positive overlap Positive overlap Positive overlap Positive overlap Aus. switching frequency 3 Hz Zone 1 (ATEX) Zone 2 (ATEX) Zone 1 (BTEX) Zone 2 (ATEX) Zone	Feature	Value
Construction width 20 mm Standard nominal flow rate 1200 l/min Operating pressure 2.5 bar10 bar Design Piston gate valve Westing processor Piston gate valve Westing principle Soft Mounting position optional Pilot ari supply Internal Flow direction Non-reversible App Positive overlap Piot pressure 0.25 MPa1 MPa 2.5 bar10 bar Ozor Apra1 MPa 2.5 bar10 bar Ozor Apra1 MPa 2.5 bar1 MP	Valve function	5/2-way, monostable
Standard nominal flow rate Denoumatic working port Denoumatic working port Denoumatic working port Design Piston gate valve Nominal size Tmm Nominal size Tmm Nominal size Do not use as a mechanical stop Sealing principle Soft Mounting position Optional Piyoe of pilot actuated Pilot air supply Internal Flow direction Non-reversible Pap Positive overlap Pilot pressure Design Desig	Type of actuation	Mechanical
Operating pressure Operating pre	Construction width	20 mm
Design Pistor gate valve Design Pistor gate valve Design Pistor gate valve Nominal size Mechanical spring Nominal size 7 mm Instructions on use Do not use as a mechanical stop Sealing principle Soft Mounting position optional Design Pilot actuated Pilot gresply Internal Prow direction Non-reversible App Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi Max. switching frequency 3 Hz Explosion protection Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature - 10 °C60 °C Ambient temperature Openating Media temperature Anbient temperature Openating Media temperatu	Standard nominal flow rate	1200 l/min
2.5 bar10 bar Piston gate valve Type of reset Mechanical spring Nominal size 7 mm Do not use as a mechanical stop Soft Mounting position Optional Pijot actuated Pilot actuated Pilot actuated Pilot are supply Internal Flow direction Non-reversible Jap Positive overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar 3.6.25 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 will always be required) Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature 4 10 °C60 °C Ambient temperature -10 °C60 °C	pneumatic working port	G1/4
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 Flow direction Non-reversible App Positive 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) Zone 22 (ATEX) Cone perating medium Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity WDMA24364-B1/B2-L Media temperature Anbient temperature Pont option use as a mechanical stop Net and mechanical stop App Don to use as a mechanical stop Soft Tom Optional Soft Ambient temperature 7 mm Mechanical spring Pmm Note on out se as a mechanical stop Soft Tom Optional Soft Ambient temperature 7 mm Note on out se as a mechanical stop Soft Tom Optional Soft Ambient temperature 7 mm Note on out se as a mechanical stop Soft Tom Optional Soft Tom Optional Soft Soft Optional Soft Non-reversible Non-reversible Non-reversible Non-reversible Non-reversible Non-reversible Non-reversible Non-reversible Non-reversible Non-reversible Non-reversible Soft Optional Soft Do not use as a mechanical stop Soft Non-reversible Non-reversible Non-reversible Non-reversible Soft Non-reversible Non-reversible Non-reversible Non-reversible Non-reversible Soft Optional Soft Do not use as a mechanical stop Soft Non-reversible Non-reversible Non-reversible Soft Soft Optional Soft Soft Do not use as a mechanical stop Soft So	Operating pressure	
Nominal size This principle Soft Mounting position Type of piloting Pilot actuated Pilot air supply Flow direction Application Pilot pressure Dougle (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Deparating medium Note on operating and pilot medium Lubricated operation Nomerous as a mechanical stop Positive overlap Positive overlap Positive overlap Positive overlap Dougle (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 23 (ATEX) Zone 24 (ATEX) Zone 25 (ATEX) Zone 25 (ATEX) Zone 26 (ATEX) Zone 27 (ATEX) Zone 27 (ATEX) Zone 28 (ATEX) Zone 29 (ATEX) Zone 29 (ATEX) Zone 20	Design	Piston gate valve
Do not use as a mechanical stop Sealing principle Soft Mounting position Optional Type of piloting Pilot actuated Pilot actuated Pilot air supply Internal Flow direction Apply Positive overlap Pilot pressure Operating frequency Explosion protection Some 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Corrosion resistance class CRC 1 - Moderate corrosion stress LABS (PWIS) conformity Media temperature Optional Optional Pilot actuated Pilot actuated Pilot actuated Pilot actuated Non-reversible Non-reversible Positive overlap Positive overlap Positive overlap Optional MPP Optional Optio	Type of reset	Mechanical spring
Sealing principle Soft Mounting position Optional Pilot actuated Pilot air supply Internal Flow direction Ann-reversible ap Positive overlap Pilot pressure 2.5 MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi 3 Hz Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity Media temperature Anbient temperature -10 °C60 °C Ambient temperature -10 °C60 °C Ambient temperature -10 °C60 °C	Nominal size	7 mm
Mounting position Optional Flow direction Application positive overlap And 2.5 bar10 bar 36.25 psi145 psi Alta Explosion protection Application protection Compressed air (ATEX) Zone 21 (ATEX) Zone 22 (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 LABS (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 Non-reversible App Positive overlap Pilot pressure Description Description Action protection Action protection Description Des	Sealing principle	Soft
Pilot air supply Internal Non-reversible App Positive overlap Positive overlap Positive overlap Positive overlap 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) Zone 22 (ATEX) Zone 22 (ATEX) Cone 22 (ATEX) Cone 22 (ATEX) Cone 25 (ATEX) Cone 25 (ATEX) Cone 26 (ATEX) Cone 27 (ATEX) Cone 28 (ATEX) Cone 29 (ATEX) Cone 29 (ATEX) Cone 20 (ATEX) Con	Mounting position	optional
Non-reversible Positive overlap Positive overlap O.25 MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi Max. switching frequency Steplosion protection Explosion 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 LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C Ambient temperature -10 °C60 °C	Type of piloting	Pilot actuated
Positive overlap O.25 MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi Max. switching frequency 3 Hz Explosion protection Compressed air to ISO 8573-1:2010 [7:-:-] Note on operating and pilot 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 LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C Ambient temperature -10 °C60 °C	Pilot air supply	Internal
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 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 will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (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 Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (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 LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C Ambient temperature -10 °C60 °C	lap	Positive 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 will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (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) 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 LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C Ambient temperature -10 °C60 °C	Max. switching frequency	3 Hz
Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media 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 LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C Ambient temperature -10 °C60 °C	Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]
LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C Ambient temperature -10 °C60 °C	Note on operating and pilot medium	
Media temperature -10 °C60 °C Ambient temperature -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	G1/4
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	G1/4
Pneumatic connection, port 4	G1/4
Pneumatic connection, port 5	G1/4
Note on materials	RoHS-compliant
Material cover	PA-reinforced
Material seals	NBR
Material housing	Anodised wrought aluminium alloy