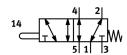
Stem actuated valve VMEF-S-M52-M-N14 Part number: 8031312

FESTO





General operating condition

Actuation type Mechanical Width 20 mm Standard nominal flow rate 1200 l/min Preumatic working port 1/4 NPT Operating pressure -0.095 MPa 1 MPa Operating pressure -0.95 bar 10 bar Structural design Piston gate valve Reset method Mechanical spring Romanial width 6 mm Application note Do not use as mechanical stop Sealing principle Soft Mounting position Any Type of control Direct Flow direction Reversible Symbol Lap Overlap Max. switching frequency 3 Hz Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX)	Feature	Value
Standard nominal flow rate 1200 l/min	Valve function	5/2, monostable
Standard nominal flow rate 1200 l/min Pneumatic working port 1/4 NPT Operating pressure -0.095 MPa 1 MPa Operating pressure -0.95 bar 10 bar Structural design Piston gate valve Reset method Mechanical spring Nominal width 6 mm Application note Do not use as mechanical stop Sealing principle Soft Mounting position Any Type of control Direct Flow direction Reversible Symbol 00991364 Lap Overlap Max. switching frequency 3 Hz Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) 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 43 N Product weight 178 g Pneumatic connection 1 1/4 NPT Pneumatic connection 3 1/4 NPT Pneumatic connection 3 1/4 NPT Pneumatic connection 4 1/4 NPT Pneumatic connection 3 1/4 NPT Pneumatic connection 3 1/4 NPT	Actuation type	Mechanical
Preumatic working port Operating pressure Piston gate valve Reset method Mechanical spring Nominal width Application note Do not use as mechanical stop Soft Mounting position Any Injury of control Direct Flow direction Reversible Symbol Operating frequency Symbol Operating frequency 3 Hz Explosion prevention and protection Zone 1 (ATEX) Zone 2 (Width	20 mm
Operating pressure Operating pre	Standard nominal flow rate	1200 l/min
Operating pressure Operating pressure Operating pressure Operating pressure Piston gate valve Reset method Mechanical spring Mommal width Application note Do not use as mechanical stop Sealing principle Soft Mounting position Any Type of control Flow direction Reversible Symbol Joerlap Max. switching frequency Sexplosion 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 VDMA2A364-B1/B2-L Temperature of medium 10 °C 60 °C Anthory Anthory Product weight 178 g Product weight Type of mounting Preumatic connection 2 Preumatic connection 3 1/4 NPT Preumatic connection 3 1/4 NPT Preumatic connection 4	Pneumatic working port	1/4 NPT
Structural design Piston gate valve Reset method Mechanical spring Mominal width 6 mm Application note Do not use as mechanical stop Sealing principle Mounting position Any Type of control Direct Flow direction Reversible Symbol 00991364 Lap Overlap Max. switching frequency 3 Hz Explosion prevention and protection Zone 22 (ATEX) Zone 25 (ATEX) Zone 26 (ATEX) Zone 27	Operating pressure	-0.095 MPa 1 MPa
Reset method Nominal width 6 mm Application note Do not use as mechanical stop Sealing principle Soft Mounting position Type of control Flow direction Symbol Lap Overlap 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 VDMA24364-B1/B2-L Temperature of medium -10 °C 60 °C Actuating force 43 N Product weight 178 g Type of mounting Preumatic connection 2 1/4 NPT Pneumatic connection 3 1/4 NPT Pneumatic connection 3 1/4 NPT Pneumatic connection 3 1/4 NPT Pneumatic connection 4	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 Direct Flow direction Symbol Lap Overlap Max. switching frequency Sexplosion prevention and protection Corrosion resistance class (CRC) LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10°C 60°C Actualing force 43 N Preduct weight -178 g Preumatic connection 2 Preumatic connection 2 Preumatic connection 3 Preumatic connection 3 Preumatic connection 4 Do not use as mechanical stop Soft Any Preumatic connection 2 Preumatic connection 4 Any Preumatic connection	Structural design	Piston gate valve
Application note Sealing principle Soft Mounting position Any Type of control Flow direction Symbol Lap Overlap Max. switching frequency Explosion prevention and protection Compressed air as per ISO 8573-1:2010 [7::-] Information on operating and pilot media Corrosion resistance class (CRC) LABS (PWIS) conformity Temperature of medium Arbitanter and in the product weight Type of mounting Product weight Type of mounting Product weight Type of mounting Pneumatic connection 2 Pleumatic connection 3 1/4 NPT Pneumatic connection 4 Any Dorect (ATEX) Soft Any Product was a smechanical stop Soft Any Any Preumatic connection 4 Any Preumatic connection 2 Preumatic connection 3 Information on operating and pilot media Do not use as mechanical stop Soft Any Preumatic connection 4 Any Preumatic connection 4 Any Preumatic connection 6 Preumatic connection 7 Preumatic connection 6 Preumatic connection 7 Preumatic connection 6 Preumatic connection 6 Preumatic connection 6 Preumatic connection 6 Preumatic connection 7 Preumatic connection 6 Preumatic connection 6 Preumatic connection 7 Preumatic connection 6 Preumatic connection 9 Preumatic co	Reset method	Mechanical spring
Sealing principle Soft Mounting position Any Type of control Direct Flow direction Reversible Symbol Ooy91364 Lap Overlap Max. switching frequency Staplosion prevention and protection Compressed air as per ISO 8573-1:2010 [7::-] Information on operating and pilot media Operation resistance class (CRC) Corrosion resistance class (CRC) Corrosion redium Compressed air as per ISO 8573-1:2010 [7::-] Temperature of medium Compressed air as per ISO 8573-1:2010 [7::-] Temperature of medium Corrosion resistance class (CRC) Corrosion (ATEX) Corrosion (A	Nominal width	6 mm
Mounting position Any Type of control Flow direction Reversible Symbol Oo991364 Lap Overlap Max. switching frequency Explosion prevention and protection Compressed air as per ISO 8573-1:2010 [7:] Information on operating and pilot media Corrosion resistance class (CRC) LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium Any Tone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Compressed air as per ISO 8573-1:2010 [7:] Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 2 - Moderate corrosion stress VDMA24364-B1/B2-L Temperature of medium -10 °C 60 °C Antuating force 43 N Product weight 178 g Type of mounting With through-hole Pneumatic connection 1 1/4 NPT Pneumatic connection 2 1/4 NPT Pneumatic connection 4 1/4 NPT	Application note	Do not use as mechanical stop
Type of control Flow direction Reversible Symbol O0991364 Lap Overlap Max. switching frequency 3 Hz Explosion prevention and protection Compressed air as per ISO 8573-1:2010 [7:] Information on operating and pilot media Operating medium 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 Antuating force 43 N Product weight 178 g Type of mounting With through-hole Pneumatic connection 1 1/4 NPT Pneumatic connection 2 1/4 NPT Pneumatic connection 4 1/4 NPT Pneumatic connection 4 1/4 NPT Pneumatic connection 4	Sealing principle	Soft
Flow direction Reversible Oo991364 Lap Overlap Max. switching frequency Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (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 Antionation force 43 N Product weight 178 g Type of mounting With through-hole Pneumatic connection 1 1/4 NPT Pneumatic connection 2 1/4 NPT Pneumatic connection 3 1/4 NPT Pneumatic connection 4 1/4 NPT	Mounting position	Any
Symbol Lap Overlap Overlap Max. switching frequency Stylosion prevention and protection 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 Ambient temperature -10 °C 60 °C Actuating force 43 N Product weight 178 g Type of mounting With through-hole Pneumatic connection 1 1/4 NPT Pneumatic connection 2 1/4 NPT Pneumatic connection 3 1/4 NPT Pneumatic connection 4	Type of control	Direct
Departing medium Comperating medium Information on operating and pilot media Corrosion resistance class (CRC) LABS (PWIS) conformity Temperature of medium Comperature of medium Comperature Actuating force Actuating force Actuating force Product weight Type of mounting Proeumatic connection 2 Proeumatic connection 3 Proeumatic connection 4 Devalor Actuating force 1/4 NPT Proeumatic connection 4 Proeumatic connection 4 Devalor Actuating force 1/4 NPT Proeumatic connection 4 Devalor Actuating force 1/4 NPT Proeumatic connection 4 Devalor Actuating force 1/4 NPT Proeumatic connection 3 1/4 NPT	Flow direction	Reversible
Max. switching frequency Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 25 (ATEX) Zone 26 (ATEX) Zone 27 (ATEX) Zone 27 (ATEX) Zone 27 (ATEX) Zone 28 (ATEX) Zone 29 (ATEX) Zone 29 (ATEX) Zone 20 (ATEX) Zone	Symbol	00991364
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 Antient temperature -10 °C 60 °C Actuating force 43 N Product weight 178 g Type of mounting With through-hole Pneumatic connection 1 1/4 NPT Pneumatic connection 2 1/4 NPT Pneumatic connection 3 1/4 NPT Pneumatic connection 4 1/4 NPT	Lap	Overlap
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 Ambient temperature -10 °C 60 °C Actuating force 43 N Product weight 178 g Type of mounting With through-hole Pneumatic connection 1 1/4 NPT Pneumatic connection 2 1/4 NPT Pneumatic connection 3 1/4 NPT Pneumatic connection 4 1/4 NPT	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 Actuating force 43 N Product weight Type of mounting With through-hole Pneumatic connection 1 Pneumatic connection 2 1/4 NPT Pneumatic connection 4 Operation with oil lubrication possible (required for further use) 2 - Moderate corrosion stress VDMA24364-B1/B2-L -10 °C 60 °C 43 N With through-hole 1/8 g Type of mounting With through-hole 1/4 NPT Pneumatic connection 2 1/4 NPT Pneumatic connection 3 1/4 NPT	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 43 N Product weight 178 g Type of mounting With through-hole Pneumatic connection 1 1/4 NPT Pneumatic connection 2 1/4 NPT Pneumatic connection 4 1/4 NPT	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 43 N Product weight 178 g Type of mounting With through-hole Pneumatic connection 1 1/4 NPT Pneumatic connection 2 1/4 NPT Pneumatic connection 3 Pneumatic connection 4 1/4 NPT	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 43 N Product weight 178 g Type of mounting With through-hole Pneumatic connection 1 1/4 NPT Pneumatic connection 2 1/4 NPT Pneumatic connection 3 1/4 NPT Pneumatic connection 4 1/4 NPT	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Ambient temperature -10 °C 60 °C Actuating force 43 N Product weight 178 g Type of mounting With through-hole Pneumatic connection 1 1/4 NPT Pneumatic connection 3 1/4 NPT Pneumatic connection 4 1/4 NPT	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Actuating force 43 N Product weight 178 g Type of mounting With through-hole Pneumatic connection 1 1/4 NPT Pneumatic connection 2 1/4 NPT Pneumatic connection 3 1/4 NPT Pneumatic connection 4 1/4 NPT	Temperature of medium	-10 °C 60 °C
Product weight 178 g Type of mounting With through-hole Pneumatic connection 1 1/4 NPT Pneumatic connection 2 1/4 NPT Pneumatic connection 3 1/4 NPT Pneumatic connection 4 1/4 NPT	Ambient temperature	-10 °C 60 °C
Type of mounting With through-hole Pneumatic connection 1 1/4 NPT Pneumatic connection 2 1/4 NPT Pneumatic connection 3 1/4 NPT Pneumatic connection 4 1/4 NPT	Actuating force	43 N
Pneumatic connection 1 1/4 NPT Pneumatic connection 2 1/4 NPT Pneumatic connection 3 1/4 NPT Pneumatic connection 4 1/4 NPT	Product weight	178 g
Pneumatic connection 2 1/4 NPT Pneumatic connection 3 1/4 NPT Pneumatic connection 4 1/4 NPT	Type of mounting	With through-hole
Pneumatic connection 3 1/4 NPT Pneumatic connection 4 1/4 NPT	Pneumatic connection 1	1/4 NPT
Pneumatic connection 4 1/4 NPT	Pneumatic connection 2	1/4 NPT
	Pneumatic connection 3	1/4 NPT
Pneumatic connection 5 1/4 NPT	Pneumatic connection 4	1/4 NPT
	Pneumatic connection 5	1/4 NPT

Feature	Value
Note on materials	RoHS-compliant
Cover material	PA-reinforced
Seals material	NBR
Housing material	Wrought aluminum alloy, anodized