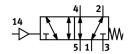
Pneumatic valve VSPA-B-M52-M-A1 Part number: 546717

FESTO





General operating condition

Data sheet

Actuation type Pneumatic Width 26 mm Standard nominal flow rate 1100 l/min Standard nominal flow rate 1100 l/min Pneumatic working port Sub-base, size 26 mm according to ISO 15407-1 Connecting plate size 01 according to VDMA 24563 G1/4 Operating pressure -0.9 bar 16 bar Structural design Piston gate valve Reset method Mechanical spring Nominal width 9 mm Standard width 9 mm Sealing principle Soft Mounting position Any Conforms to standard ISO 15407-1 VDMA 24563 Type of control Direct Flow direction Reversible Symbol O9991029 Llap Pilot pressure 3 bar 10 bar Flow rate of pneumatic valve on individual sub-base 1100 l/min Flow rate of pneumatic valve on individual sub-base 1100 l/min Optimized flow rate of pneumatic valve pneumatically concatenated flow switching time off 35 ms On switching time off 10 ms Explosion prevention and protection Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) O -No corrosion stress Challed in a per ISO 8573-1:2010 [7:4:4] Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Feature	Value
Width 26 mm Standard nominal flow rate 1100 l/min Sub-base, size 26 mm according to ISO 15407-1 Connecting plate size 01 according to VDMA 24563 G1/4 Operating pressure - 0.9 bar 16 bar Structural design Piston gate valve Reset method Mechanical spring Mechanical spring Middle with 19 mm Exhaust air function Soft Mounting position Any Conforms to standard ISO 15407-1 VDMA 24563 Type of control Direct Flow direction Reversible Symbol 09991029 Lap Overlap Dilot pressure 3 bar 10 bar Flow rate of pneumatic valve on individual sub-base 1100 l/min Flow rate of pneumatic valve on individual sub-base 1100 l/min Optimized flow rate of pneumatic valve pneumatically concatenated flow Switching time off 35 ms On switching time 10 ms Explosion prevention and protection Conformation on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 0 - No corrosion stress Plot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Plot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Plot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Plot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Plot medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Valve function	5/2, monostable
Standard nominal flow rate Pneumatic working port Sub-base, size 26 mm according to ISO 15407-1 Connecting plate size 01 according to VDMA 24563 G1/4 Operating pressure -0.9 bar 16 bar Structural design Piston gate valve Reset method Mechanical spring Nominal width 9 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Conforms to standard ISO 15407-1 VDMA 24563 Type of control Pioet Row direction Reversible Symbol Operating Operating Pilot pressure 3 bar 10 bar Flow rate of pneumatic valve on individual sub-base Optimized flow rate of pneumatic valve on individual sub-base Optimized flow rate of pneumatic valve on individual sub-base Optimized flow rate of pneumatic valve on pneumatically concatenated flow Switching time Explosion prevention and protection Cone 22 (ATEX) Cornorsion stress LABS (PWIS) conformity VDMA 245-8 II (PI) (PI) (PI) (PI) (PI) (PI) (PI) (Actuation type	Pneumatic
Preumatic working port Sub-base, size 26 mm according to ISO 15407-1 Connecting plate size 01 according to VDMA 24563 G1/4 Operating pressure -0.9 bar 16 bar Structural design Reset method Mechanical spring Nominal width 9 mm Exhaust air function Sealing principle Soft Mounting position Conforms to standard ISO 15407-1 VDMA 24563 Type of control Pliou direction Reversible Symbol Lap Overlap Pilot pressure Flow rate of pneumatic valve If on panumatic valve If on prematic valve on individual sub-base Optimized flow rate of pneumatic valve pneumatically concatenated flow Switching time If on switching time Explosion prevention and protection Corrosion resistance class (CRC) O No Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating medium Informatity Informat	Width	26 mm
Connecting plate size 01 according to VDMA 24563 G1/4 Operating pressure -0.9 bar 16 bar Structural design Reset method Mechanical spring Nominal width 9 mm Exhaust air function Sealing principle Soft Mounting position Any Conforms to standard ISO 15407-1 VDMA 24563 Type of control Direct Flow direction Reversible Symbol Oo991029 Lap Dilot pressure Flow rate of pneumatic valve Ploto yrate of pneumatic valve on individual sub-base Optimized flow rate of pneumatic valve pneumatically concatenated flow Switching time Explosion prevention and protection Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operating medium Corrosion resistance class (CRC) Compressed air as per ISO 8573-1:2010 [7:4:4] Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Plot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Plot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Plot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Plot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Plot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Plot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Plot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Plot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Plot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Plot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Plot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Plot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Plot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Plot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Plot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Plot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Plot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Plot medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Standard nominal flow rate	1100 l/min
Structural design Piston gate valve Reset method Mechanical spring Nominal width 9 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Conforms to standard ISO 15407-1 VDMA 24563 Type of control Direct Flow direction Reversible Symbol Overlap Pilot pressure 3 bar 10 bar Flow rate of pneumatic valve on individual sub-base 1100 l/min Flow rate of pneumatic valve pneumatically concatenated flow 100 l/min Switching time off 35 ms On switching time 10 ms Explosion prevention and protection 2 operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) Operate of Pilot medium 1-10 °C 60 °C Relative air humidity Opensed in as per ISO 8573-1:2010 [7:4:4] Flow read of Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Pneumatic working port	Connecting plate size 01 according to VDMA 24563
Reset method Mechanical spring Nominal width 9 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Conforms to standard ISO 15407-1 VDMA 24563 Type of control Direct Flow direction Reversible Symbol 0991029 Lap Overlap 3 bar 10 bar Flow rate of pneumatic valve Pilou pilou individual sub-base 1100 l/min Switching time off On switching time 10 ms Explosion prevention and protection Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Corrosion resistance class (CRC) 0 - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium 1-0° C 60 °C Relative air humidity 0 - 90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Flow rate of medium 1-0° C 60 °C Relative air humidity 0 - 90 % Compressed air as per ISO 8573-1:2010 [7:4:4]	Operating pressure	-0.9 bar 16 bar
Nominal width 9 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Conforms to standard ISO 15407-1 VDMA 24563 Type of control Direct Flow direction Reversible Symbol 0991029 Lap 00verlap Pilot pressure 3 bar 10 bar Flow rate of pneumatic valve 1100 I/min Flow rate of pneumatic valve on individual sub-base 1100 I/min Optimized flow rate of pneumatic valve pneumatically concatenated flow 100 I/min Switching time off 35 ms On switching time 10 ms Explosion prevention and protection Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Corrosion resistance class (CRC) 0 - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium - 10 °C 60 °C Relative air humidity 0 - 90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Flow part in middity Compressed air as per ISO 8573-1:2010 [7:4:4]	Structural design	Piston gate valve
Exhaust air function Sealing principle Soft Mounting position Conforms to standard Conforms to standard ISO 15407-1 VDMA 24563 Type of control Type of control Reversible Symbol Lap Overlap Pilot pressure Iso bar 10 bar Flow rate of pneumatic valve on individual sub-base Optimized flow rate of pneumatic valve pneumatically concatenated flow Switching time off On switching time Explosion prevention and protection Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Corrosion resistance class (CRC) LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium Compressed air as per ISO 8573-1:2010 [7:4:4] Temperature of medium Compressed air as per ISO 8573-1:2010 [7:4:4] Temperature of medium Compressed air as per ISO 8573-1:2010 [7:4:4] Temperature of medium Compressed air as per ISO 8573-1:2010 [7:4:4] Temperature of medium Compressed air as per ISO 8573-1:2010 [7:4:4] Temperature of medium Compressed air as per ISO 8573-1:2010 [7:4:4] Temperature of medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Reset method	Mechanical spring
Sealing principle Mounting position Any Conforms to standard ISO 15407-1 VDMA 24563 Type of control Direct Flow direction Reversible Symbol Lap Overlap Pilot pressure 3 bar 10 bar Flow rate of pneumatic valve Into Imin Optimized flow rate of pneumatic valve pneumatically concatenated flow Switching time off On switching time Explosion prevention and protection Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Corrosion resistance class (CRC) LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C 60 °C Relative air humidity Omeressed air as per ISO 8573-1:2010 [7:4:4] Emperature of medium Compressed air as per ISO 8573-1:2010 [7:4:4] Temperature of medium -10 °C 60 °C Relative air humidity Operation stars as per ISO 8573-1:2010 [7:4:4] Compressed air as per ISO 8573-1:2010 [7:4:4]	Nominal width	9 mm
Mounting position Conforms to standard Conforms to standard ISO 15407-1 VDMA 24563 Type of control Direct Flow direction Reversible Symbol Oo991029 Lap Overlap Pilot pressure 3 bar 10 bar Flow rate of pneumatic valve 1400 l/min Flow rate of pneumatic valve on individual sub-base 1100 l/min Optimized flow rate of pneumatic valve pneumatically concatenated flow Switching time off 35 ms On switching time 10 ms Explosion prevention and protection Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) O - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C 60 °C Relative air humidity Ooppressed air as per ISO 8573-1:2010 [7:4:4] Compressed air as per ISO 8573-1:2010 [7:4:4]	Exhaust air function	With flow control option
Conforms to standard ISO 15407-1 VDMA 24563 Type of control Direct Flow direction Reversible Symbol Oop91029 Lap Overlap Pilot pressure 3 bar 10 bar Flow rate of pneumatic valve Into I/min Optimized flow rate of pneumatic valve on individual sub-base On switching time off On switching time Explosion prevention and protection Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operations resistance class (CRC) O - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium Compressed air as per ISO 8573-1:2010 [7:4:4] Relative air humidity Operation ser ISO 8573-1:2010 [7:4:4] Compressed air as per ISO 8573-1:2010 [7:4:4] Temperature of medium Compressed air as per ISO 8573-1:2010 [7:4:4] Compressed air as per ISO 8573-1:2010 [7:4:4] Temperature of medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Sealing principle	Soft
VDMA 24563 Type of control Direct Flow direction Reversible Symbol O0991029 Lap Overlap Pilot pressure 3 bar 10 bar Flow rate of pneumatic valve Itom rate of pneumatic valve on individual sub-base Optimized flow rate of pneumatic valve pneumatically concatenated flow Switching time off 35 ms On switching time In ms Explosion prevention and protection Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Corrosion resistance class (CRC) O - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium - 10 °C 60 °C Relative air humidity Ooppressed air as per ISO 8573-1:2010 [7:4:4] Flow medium - Compressed air as per ISO 8573-1:2010 [7:4:4] Temperature of medium - 10 °C 60 °C Relative air humidity O- 90 % Flot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Compressed air as per ISO 8573-1:2010 [7:4:4] Temperature of medium - 10 °C 60 °C Relative air humidity O- 90 % Flot medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Mounting position	Any
Flow direction Reversible Symbol Lap Overlap Pilot pressure Flow rate of pneumatic valve Flow rate of pneumatic valve on individual sub-base Optimized flow rate of pneumatic valve pneumatically concatenated flow Switching time off On switching time Explosion prevention and protection Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operating medium Operating medium Operating medium Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) O - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium 10 - 90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Compressed air as per ISO 8573-1:2010 [7:4:4]	Conforms to standard	
Symbol Lap Overlap Pilot pressure 3 bar 10 bar Flow rate of pneumatic valve Flow rate of pneumatic valve on individual sub-base Optimized flow rate of pneumatic valve pneumatically concatenated flow Switching time off 35 ms On switching time 10 ms Explosion prevention and protection Zone 2 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) UPMA24364-B1/B2-L Temperature of medium -10 °C 60 °C Relative air humidity Ocmpressed air as per ISO 8573-1:2010 [7:4:4] Compressed air as per ISO 8573-1:2010 [7:4:4] Compressed air as per ISO 8573-1:2010 [7:4:4] Compressed air as per ISO 8573-1:2010 [7:4:4]	Type of control	Direct
Overlap Pilot pressure Flow rate of pneumatic valve Flow rate of pneumatic valve on individual sub-base Optimized flow rate of pneumatic valve pneumatically concatenated flow Switching time off On switching time 10 ms Explosion prevention and protection Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Corrosion resistance class (CRC) LABS (PWIS) conformity Temperature of medium Overlap Ov	Flow direction	Reversible
Pilot pressure 3 bar 10 bar	Symbol	00991029
Flow rate of pneumatic valve Flow rate of pneumatic valve on individual sub-base 1100 l/min Optimized flow rate of pneumatic valve pneumatically concatenated flow 1100 l/min Switching time off 35 ms On switching time 10 ms Explosion prevention and protection Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 0 - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C 60 °C Relative air humidity 0 - 90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Lap	Overlap
Flow rate of pneumatic valve on individual sub-base Optimized flow rate of pneumatic valve pneumatically concatenated flow 1100 l/min Switching time off 35 ms On switching time 10 ms Explosion prevention and protection Zone 2 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 0 - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C 60 °C Relative air humidity 0 - 90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Pilot pressure	3 bar 10 bar
Optimized flow rate of pneumatic valve pneumatically concatenated flow Switching time off 35 ms On switching time 10 ms Explosion prevention and protection Zone 2 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 0 - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C 60 °C Relative air humidity 0 - 90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Flow rate of pneumatic valve	1400 l/min
Switching time off On switching time 10 ms Explosion prevention and protection Zone 2 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 0 - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C 60 °C Relative air humidity 0 - 90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Flow rate of pneumatic valve on individual sub-base	1100 l/min
On switching time Explosion prevention and protection Zone 2 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) O - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C 60 °C Relative air humidity O - 90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Optimized flow rate of pneumatic valve pneumatically concatenated flow	1100 l/min
Explosion prevention and protection Zone 2 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 0 - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C 60 °C Relative air humidity 0 - 90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Switching time off	35 ms
Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 0 - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C 60 °C Relative air humidity 0 - 90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4]	On switching time	10 ms
Information on operating and pilot media Operation with oil lubrication possible (required for further use) O- No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C 60 °C Relative air humidity 0 - 90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Explosion prevention and protection	
Corrosion resistance class (CRC) 0 - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C 60 °C Relative air humidity 0 - 90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C 60 °C Relative air humidity 0 - 90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Temperature of medium -10 °C 60 °C Relative air humidity 0 - 90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Corrosion resistance class (CRC)	0 - No corrosion stress
Relative air humidity 0 - 90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4]	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Temperature of medium	-10 °C 60 °C
and the same and t	Relative air humidity	0 - 90 %
Ambient temperature -10 °C 60 °C	Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
To emode	Ambient temperature	-10 °C 60 °C
Max. tightening torque for valve mounting 1.8 Nm 2.2 Nm	Max. tightening torque for valve mounting	1.8 Nm 2.2 Nm

Feature	Value
Product weight	180 g
Pilot air port 12	Sub-base, size 26 mm as per ISO 15407-1
Pilot air port 14	Sub-base, size 26 mm as per ISO 15407-1
Pneumatic connection 1	Sub-base, size 26 mm as per ISO 15407-1
Pneumatic connection 2	Sub-base, size 26 mm as per ISO 15407-1
Pneumatic connection 3	Sub-base, size 26 mm as per ISO 15407-1
Pneumatic connection 4	Sub-base, size 26 mm as per ISO 15407-1
Pneumatic connection 5	Sub-base, size 26 mm as per ISO 15407-1
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum
Material of screws	Steel Galvanized