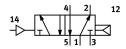
Pneumatic valve VSPA-B-M52-A-A2 Part number: 546726







General operating condition

Data sheet

Type of actuation Construction width Standard nominal flow rate Stub-base size 18 mm to ISO 15407-1 Sub-base size 02 to VDMA 24563 G1/8 Sub-base size 02 to VDMA 24563 G1/8 Operating pressure 2 bar 10 bar Piston gate valve Pneumatic spring Nominal size S mm Standard Soft Soft Mounting position With flow control option Sealing principle Soft Mounting position Optional Conforms to standard Soft 150 15407-1 VDMA 24563 Type of piloting Direct Flow direction Reversible Symbol Operating Overlap Pilot pressure 2 bar 10 bar Flow rate of valve on individual sub-base Flow rate of valve on individual sub-base Flow rate of valve on individual sub-base Soft Imin Switching time on Suitching time on Suitching time on Suitching time on Lambar Suitching time on Lambar Suitching time on Lambar Suitching time on Lambar Suitching 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) Lubricated operation stress VDMA2364-B1/82-L Whole3 temperature 1-10 °C 60 °C LABS (PMIS) conformity VDMA2364-B1/82-L Whole3 temperature 1-10 °C 60 °C Relative air humidity 0 -90% Compressed air to ISO 8573-1:2010 [7:4:4]	Feature	Value
Construction width Standard nominal flow rate pneumatic working port Sub-base size 18 mm to ISO 15407-1 Sub-base size 20 to VDMA 24563 G1/8 Operating pressure 2 bar 10 bar Pheumatic spring Priston gate valve Pneumatic spring Pneumatic spring Nominal size 5 mm Estahaust-air function With flow control option Sealing principle Soft Mounting position Conforms to standard Sio 15407-1 VDMA 24563 Type of piloting Direct Flow direction Reversible Symbol Joperating Pressure 2 bar 10 bar Plow rate of valve Flow rate of valve Flow rate of valve Flow rate of valve Flow rate of valve Switching time on Switching time on Explosion protection Corporating medium Corporating medium Corporating medium Corporating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC O - No corrosion stress Relative air humidity O - 90% Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4] Plot medium Compressed air to ISO 8573-1:2010 [7:4:4] Plot medium Compressed air to ISO 8573-1:2010 [7:4:4] Plot medium Compressed air to ISO 8573-1:2010 [7:4:4]	Valve function	5/2-way, monostable
Standard nominal flow rate pneumatic working port Sub-base size 18 mm to ISO 15407-1 Sub-base size 20 to VDMA 24563 G1/8 Operating pressure 2 bar 10 bar Design Piston gate valve Type of reset Nominal size Finanction With flow control option Sealing principle Soft Mounting position Optional Conforms to standard ISO 15407-1 VDMA 24563 Type of piloting Direct Flow direction Reversible Symbol Oo991048 Iap Overlap Pilot pressure 2 bar 10 bar Flow rate of valve Flow rate of valve In oil valve Flow rate of valve On individual sub-base Flow rate of valve on individual sub-base Flow rate of pneumatically interlinked valve Switching time on Explosion protection Corposing medium Corposing resistance class CRC O - No corposion stress Curbe Wolka 2464-120-12 Compressed air to ISO 8573-1:2010 [7:4:4] Compressed air to ISO 8573-1:2010 [7:4:4] Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4] Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4] Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4]	Type of actuation	Pneumatic
Sub-base size 18 mm to ISO 15407-1 Sub-base size 02 to VDMA 24563 G1/8 Operating pressure 2 bar 10 bar Piston gate valve Iype of reset Pneumatic spring Nominal size Smm Exhaust-air function With flow control option Sealing principle Soft Operating position Conforms to standard Soft 150 15407-1 VDMA 24563 Sirype of piloting Direct Flow direction Reversible Symbol Oo991048 Iap Overlap Pilot pressure 2 bar 10 bar Flow rate of valve on individual sub-base Flow rate of valve on individual sub-base Flow rate of valve on individual sub-base Flow rate of pneumatically interlinked valve Switching time on Explosion protection Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC O - No corrosion stress Relative air humidity O - 90% Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4] Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4] Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4]	Construction width	18 mm
Sub-base size 02 to VDMA 24563 G1/8 Operating pressure 2 bar 10 bar Design Piston gate valve Pneumatic spring Nominal size 5 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Conforms to standard VDMA 24563 Type of piloting Direct Flow direction Reversible Symbol Operating and pilot medium Plot yate of piloting time on Explosion protection Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Corroriormity NDMA 24564-B1/B2-L Media temperature Laber (10 % Compressed air to ISO 8573-1:2010 [7:4:4] Lubricated operature Relative air humidity O - 90% Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4] Plot medium Compressed air to ISO 8573-1:2010 [7:4:4]	Standard nominal flow rate	550 l/min
Piston gate valve Type of reset Pneumatic spring Nominal size Sm Exhaust-air function Soft Mounting position Conforms to standard Conforms to standard Type of piloting Type of piloting Direct Flow direction Reversible Symbol Oop91048 Diap Overlap Pilot pressure Diow rate of valve Flow rate of valve on individual sub-base Flow rate of pneumatically interlinked valve Switching time on Explosion protection Conforms to standard Direct Pompressure Diverting Direct Diverting Divert	pneumatic working port	Sub-base size 02 to VDMA 24563
In present and the present and	Operating pressure	2 bar 10 bar
Nominal size 5 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Conforms to standard ISO 15407-1 VOMA 24563 Type of piloting Direct Flow direction Reversible Symbol Oosp1048 Jap Overlap Pilot pressure 2 bar 10 bar Flow rate of valve on individual sub-base 550 l/min Flow rate of pneumatically interlinked valve 550 l/min Switching time on 11 ms Explosion protection 20 ms Switching time on 21 ms Explosion protection 20 ms Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Up Manage 100 ms Corrosion resistance class CRC 0 - No corrosion stress LABS (PWIS) conformity VOMA24364-B1/B2-L Media temperature 1-10 °C 60 °C Relative air humidity 0 - 90% Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4]	Design	Piston gate valve
Exhaust-air function Sealing principle Soft Mounting position Conforms to standard JSO 15407-1 VDMA 24563 Type of piloting Direct Flow direction Reversible Symbol Joopston Overlap Pilot pressure 2 bar 10 bar Flow rate of valve on individual sub-base Flow rate of valve on individual sub-base Flow rate of pumuratically interlinked valve Switching time on Explosion protection Zone 2 (ATEX) Zone 22 (ATEX) Operating medium Corrosion resistance class CRC O No corrosion stress LABS (PWIS) conformity With flow control option Soft Soft With flow control option Soft Soft Optional Soft JSO 15407-1 VDMA 24563 Direct To Upma 2 Jobar 3 Jobar 4 Jobar 4 Jobar 4 Jobar 5 Jobar 4 Jobar 5 Jobar 4 Jobar 5 Jobar 6 Jobar 6 Jobar 6 Jobar 7 Joba	Type of reset	Pneumatic spring
Sealing principle Soft Mounting position Conforms to standard ISO 15407-1 VDMA 24563 Type of piloting Direct Flow direction Reversible Symbol Joogs1048 Journal Overlap Pilot pressure 2 bar 10 bar Flow rate of valve To lymin Flow rate of valve on individual sub-base Flow rate of pneumatically interlinked valve Switching time off 20 ms Switching time on Explosion protection Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC O No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature Flow rate of volume Compressed air to ISO 8573-1:2010 [7:4:4] Media temperature -10 °C 60 °C Relative air humidity O-90% Compressed air to ISO 8573-1:2010 [7:4:4]	Nominal size	5 mm
Mounting position Conforms to standard ISO 15407-1 VDMA 24563 Type of piloting Direct Reversible Symbol Isophymate Overlap Pilot pressure Isophymate of valve Isophymate of valve Isophymate of pneumatically interlinked valve Switching time off Switching time on Explosion protection Compressed air to ISO 8573-1:2010 [7:4:4] Media temperature Relative air humidity Ovenap Optional Isophymate of yelve Isophymate of valve Isophymate of valve Isophymate of yalve Isophymate Isophymate of yalve Isophymate Isophymate of yalve Isophymate of yalve Isophymate of yalve Isophymate of yalve Isophymate Isophymate of yalve Isophymate of	Exhaust-air function	With flow control option
Conforms to standard ISO 15407-1 VDMA 24563 Direct Reversible Symbol Ispect Reversible Symbol Ispect	Sealing principle	Soft
VDMA 24563 Type of piloting Direct Flow direction Reversible Symbol O0991048 Ilap Overlap Pilot pressure 2 bar 10 bar Flow rate of valve Flow rate of valve on individual sub-base Flow rate of pneumatically interlinked valve Switching time off Switching time on Explosion protection Corpressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC U O-No corrosion stress VDMA24364-B1/B2-L Media temperature Relative air humidity Ocompressed air to ISO 8573-1:2010 [7:4:4] Compressed air to ISO 8573-1:2010 [7:4:4]	Mounting position	optional
Reversible Symbol 00991048 Iap 0verlap Pilot pressure 2 bar 10 bar Flow rate of valve 750 I/min Flow rate of pneumatically interlinked valve 550 I/min Switching time off 20 ms Explosion protection 2 and 2 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation will always be required) Corrosion resistance class CRC 0 · No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C 60 °C Relative air humidity 0 · 90% Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4]	Conforms to standard	
Symbol lap Overlap Pilot pressure 2 bar 10 bar Flow rate of valve Flow rate of valve on individual sub-base Flow rate of pneumatically interlinked valve Switching time off 20 ms Switching time on 11 ms Explosion protection Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Cone rating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 0 · No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C 60 °C Relative air humidity 0 · 90% Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4]	Type of piloting	Direct
Deprivation of valve of valve on individual sub-base of valve on individual sub-base of valve of pneumatically interlinked valve of valve on individual sub-base of valve on individual sub-base of valve on individual sub-base of pneumatically interlinked valve of pneumatically interlinked valve of valve on individual sub-base of valve on valve on valve on valve on valve on operating and pilot medium of valve on operating and pilot medium of valve on operating and pilot medium of valve on v	Flow direction	Reversible
Pilot pressure 2 bar 10 bar 750 l/min Flow rate of valve on individual sub-base 550 l/min Flow rate of pneumatically interlinked valve 550 l/min Switching time off 20 ms Switching time on 11 ms Explosion protection Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 0 - No corrosion stress LABS (PWIS) conformity WDMA24364-B1/B2-L Media temperature -10 °C 60 °C Relative air humidity 0 - 90% Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4]	Symbol	00991048
Flow rate of valve 750 l/min Flow rate of valve on individual sub-base 550 l/min Flow rate of pneumatically interlinked valve 550 l/min Switching time off 20 ms Switching time on 11 ms Explosion protection Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 0 - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C 60 °C Relative air humidity 0 - 90% Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4]	lap	Overlap
Flow rate of valve on individual sub-base Flow rate of pneumatically interlinked valve Switching time off 20 ms Switching time on 11 ms Explosion protection Zone 2 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 0 - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C 60 °C Relative air humidity 0 - 90% Compressed air to ISO 8573-1:2010 [7:4:4]	Pilot pressure	2 bar 10 bar
Flow rate of pneumatically interlinked valve Switching time off 20 ms Switching time on 11 ms Explosion protection Zone 2 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 0 - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C 60 °C Relative air humidity 0 - 90% Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4]	Flow rate of valve	750 l/min
Switching time off Switching time on 11 ms Explosion protection Zone 2 (ATEX) Zone 22 (ATEX) Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 0 - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C 60 °C Relative air humidity 0 - 90% Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4]	Flow rate of valve on individual sub-base	550 l/min
Switching time on 11 ms Explosion protection Zone 2 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 0 - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C 60 °C Relative air humidity 0 - 90% Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4]	Flow rate of pneumatically interlinked valve	550 l/min
Explosion protection Zone 2 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC O - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C 60 °C Relative air humidity O - 90% Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4]	Switching time off	20 ms
Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 0 - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C 60 °C Relative air humidity 0 - 90% Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4]	Switching time on	11 ms
Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 0 - No corrosion stress VDMA24364-B1/B2-L Media temperature -10 °C 60 °C Relative air humidity 0 - 90% Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4]	Explosion protection	
always be required) Corrosion resistance class CRC 0 - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C 60 °C Relative air humidity 0 - 90% Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4]	Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
LABS (PWIS) conformity VDMA24364-B1/B2-L Hedia temperature -10 °C 60 °C Relative air humidity 0 - 90% Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4]	Note on operating and pilot medium	
Media temperature -10 °C 60 °C Relative air humidity 0 - 90% Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4]	Corrosion resistance class CRC	0 - No corrosion stress
Relative air humidity 0 - 90% Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4]	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4]	Media temperature	-10 °C 60 °C
1 222 223	Relative air humidity	0 - 90%
Ambient temperature -10 °C 60 °C	Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
	Ambient temperature	-10 °C 60 °C

Feature	Value
Max. tightening torque for valve mounting	0.9 Nm 1.1 Nm
Product weight	80 g
Pilot air port 12	Sub-base size 18 mm to ISO 15407-1
Pilot air port 14	Sub-base size 18 mm to ISO 15407-1
Pneumatic connection, port 1	Sub-base size 18 mm to ISO 15407-1
Pneumatic connection, port 2	Sub-base size 18 mm to ISO 15407-1
Pneumatic connection, port 3	Sub-base size 18 mm to ISO 15407-1
Pneumatic connection, port 4	Sub-base size 18 mm to ISO 15407-1
Pneumatic connection, port 5	Sub-base size 18 mm to ISO 15407-1
Note on materials	RoHS-compliant
Material seals	NBR
Material housing	Die-cast aluminium
Material screws	Steel Galvanised