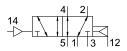
## Pneumatic valve VUWS-L20-M52-E-G18

Part number: 575678







## **Data sheet**

Mounting position       Any         Manual override       None         Type of control       Direct         Pilot air supply port       External         Flow direction       Reversible         Lap       Overlap         Pilot pressure MPa       0.25 MPa1 MPa         Pilot pressure       2.5 bar10 bar         Switching time off       26 ms         On switching time       13 ms         Explosion prevention and protection       Observe the information on the certificate zone 1 (ATEX) zone 21 (ATEX) zone 21 (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)         Vibration resistance       Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Feature	Value
Valve size 21 mm  Standard nominal flow rate 700 l/min  Pneumatic working port 61/8  Operating pressure -0.09 MPa1 MPa -0.9 bar10 bar  Structural design Piston gate valve  Reset method Pneumatic spring  Certification CUL us - Recognized (OL)  Nominal width 5.7 mm  Standard function With flow control option  Sealing principle Soft  Mounting position Any  Manual override None  Type of control Direct  Pilot air supply port External  Flow direction Reversible  Lap Overlap  Pilot pressure MPa 0.25 MPa1 MPa  Pilot pressure MPa  Pilot pressure MPa  On switching time off 0 Soserve the information on the certificate Zone 2 (AIEX) Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Valve function	5/2, monostable
Standard nominal flow rate Pneumatic working port G1/8 Operating pressure Operating pressure Piston gate valve Reset method Pneumatic spring Certification Certification Certification Certification Size was a control with flow control option Sealing principle Mounting position Manual override Type of control Direct Pilot air supply port External Flow direction Reversible Lap Pilot pressure MPa Oz5 MPa1 MPa Pilot pressure Switching time Switching time Explosion prevention and protection Operating medium Operating medium Operating and pilot media Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Actuation type	Pneumatic
Pneumatic working port Operating pressure -0.09 MPa1 MPa -0.9 bar10 bar Structural design Reset method Pneumatic spring Certification CUL us - Recognized (OL) Nominal width 5.7 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override None Pilot air supply port External Flow direction Lap Pilot pressure MPa Pilot pressure 2.5 bar10 bar Switching time off On switching time Explosion prevention and protection Operating medium Operating medium Operating medium Operating verify level 2 as per FN 942017-4 and EN 60068-2-6 FN 92000 Pressure Lucy on Page 1 (Aprecy of Equipment of Equipment of Equipment of Equipment of Equipment of Pilot 2 as per FN 942017-4 and EN 60068-2-6	Valve size	21 mm
Operating pressure  -0.99 MPa1 MPa -0.9 bar10 bar  Structural design Piston gate valve Reset method Pneumatic spring Certification Certification Certification Since the subject of	Standard nominal flow rate	700 l/min
Compression   Compression	Pneumatic working port	G1/8
Reset method Pneumatic spring  Certification c UL us - Recognized (OL)  Nominal width 5.7 mm  Exhaust air function With flow control option  Sealing principle Soft  Mounting position Any  Manual override None Type of control Direct  Pilot air supply port External  Flow direction Reversible  Lap Overlap  Pilot pressure MPa 0.25 MPa1 MPa  Pilot pressure  Switching time off 26 ms  Con switching time  Explosion prevention and protection  Operating medium  Operating medium  Operating medium Operating and pilot media  Vibration resistance  Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Operating pressure	
Certification culture Recognized (OL)  Nominal width 5.7 mm  Exhaust air function With flow control option  Sealing principle Soft  Mounting position Any  Manual override None  Type of control Direct  Pilot air supply port External  Flow direction Reversible  Lap Overlap  Pilot pressure MPa  Pilot pressure MPa  Pilot pressure MPa  On switching time off Switching time  Explosion prevention and protection  Explosion prevention and protection  Operating medium  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Information on operating and pilot media  Vibration resistance  Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Structural design	Piston gate valve
Nominal width  Exhaust air function  With flow control option  Sealing principle  Soft  Mounting position  Any  Manual override  Type of control  Pilot air supply port  External  Flow direction  Lap  Pilot pressure MPa  Pilot pressure  On switching time  Explosion prevention and protection  Explosion prevention and protection  Explosion prevention and protection  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Information on operating and pilot media  Vibration resistance  Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Reset method	Pneumatic spring
Exhaust air function  Sealing principle  Soft  Mounting position  Any  Manual override  None  Type of control  Pilot air supply port  External  Flow direction  Lap  Pilot pressure MPa  Pilot pressure  Switching time off  On switching time  Explosion prevention and protection  Explosion prevention and protection  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Information on operating and pilot media  With flow control option  Soft  Any  Mith flow control option  Soft  Any  Mith flow control option  Soft  Any  Many  Any  Any  Any  Any  Any  Any  Any	Certification	c UL us - Recognized (OL)
Sealing principle  Mounting position  Any  Manual override  Type of control  Pilot air supply port  External  Flow direction  Lap  Overlap  Pilot pressure MPa  Pilot pressure  Switching time off  On switching time  Explosion prevention and protection  Caperating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Information on operating and pilot media  Vibration resistance  Soft  Any  Any  Any  Any  Any  Any  Any  An	Nominal width	5.7 mm
Mounting position       Any         Manual override       None         Type of control       Direct         Pilot air supply port       External         Flow direction       Reversible         Lap       Overlap         Pilot pressure MPa       0.25 MPa1 MPa         Pilot pressure       2.5 bar10 bar         Switching time off       26 ms         On switching time       13 ms         Explosion prevention and protection       Observe the information on the certificate zone 1 (ATEX) zone 21 (ATEX) zone 21 (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)         Vibration resistance       Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Exhaust air function	With flow control option
Manual override Type of control Direct Pilot air supply port External Flow direction Reversible Lap Overlap Pilot pressure MPa O.25 MPa1 MPa Pilot pressure Switching time off On switching time  Explosion prevention and protection Observe the information on the certificate Zone 1 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Sealing principle	Soft
Type of control  Direct  Pilot air supply port  External  Flow direction  Reversible  Lap  Overlap  Pilot pressure MPa  O.25 MPa1 MPa  Pilot pressure  Switching time off  On switching time  Explosion prevention and protection  Observe the information on the certificate  Zone 1 (ATEX)  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  Vibration resistance  Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Mounting position	Any
Pilot air supply port  External  Reversible  Overlap  Overlap  Pilot pressure MPa  0.25 MPa1 MPa  Pilot pressure  Switching time off  On switching time  Explosion prevention and protection  Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) 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  Vibration resistance  Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Manual override	None
Flow direction  Reversible  Overlap  Overlap  Pilot pressure MPa  Pilot pressure  2.5 bar10 bar  Switching time off  On switching time  13 ms  Explosion prevention and protection  Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) 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  Vibration resistance  Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Type of control	Direct
Lap Pilot pressure MPa O.25 MPa1 MPa Pilot pressure 2.5 bar10 bar  Switching time off 26 ms On switching time 13 ms  Explosion prevention and protection Observe the information on the certificate Zone 1 (ATEX) 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) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Pilot air supply port	External
Pilot pressure MPa  0.25 MPa1 MPa  2.5 bar10 bar  Switching time off  26 ms  On switching time  13 ms  Explosion prevention and protection  Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) 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)  Vibration resistance  Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Flow direction	Reversible
Pilot pressure  2.5 bar10 bar  Switching time off  26 ms  On switching time  13 ms  Explosion prevention and protection  Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) 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)  Vibration resistance  Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Lap	Overlap
Switching time off  On switching time  13 ms  Explosion prevention and protection  Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (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)  Vibration resistance  Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Pilot pressure MPa	0.25 MPa1 MPa
On switching time  Explosion prevention and protection  Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (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)  Vibration resistance  Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Pilot pressure	2.5 bar10 bar
Explosion prevention and protection  Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (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)  Vibration resistance  Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Switching time off	26 ms
Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (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)  Vibration resistance  Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	On switching time	13 ms
Information on operating and pilot media  Operation with oil lubrication possible (required for further use)  Vibration resistance  Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX)
Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
EN 60068-2-6	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Shock resistance Shock test with severity level 2 as per FN 942017-5 and FN 60068-2-2	Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
51100K test with severity tever 2 ds per 111 742017 3 did EN 000000 2 2	Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27

Feature	Value
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Temperature of medium	-10 °C60 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-10 °C60 °C
Product weight	190 g
Type of mounting	Optionally: On terminal strip With through-hole
Venting hole connection	Not ducted
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
Seals material	HNBR NBR
Housing material	Die-cast aluminum Painted
Piston slide material	Wrought aluminum alloy
Material of screws	Steel, galvanized