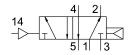
Pneumatic valve VUWS-L20-M52-A-N18

Part number: 575703







Data sheet

Actuation type Pneumatic Valve size 21 mm Standard nominal flow rate 700 l/min Pneumatic working port 1/8 NPT Operating pressure 0.25 MPa1 MPa 2.5 bar10 bar Structural design Piston gate valve 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 Piype of control Direct Internal Flow direction Non-reversible Lap Overlap Overlap Pilot pressure 2.5 MPa1 MPa 2.5 bar10 bar Switching time off 0.5 MPa1 MPa Explosion prevention and protection Observe the information on the certificate Zone 2 (AIEX)	Feature	Value
Valve size Standard nominal flow rate 700 l/min Pneumatic working port 1/8 NPT Operating pressure 2.5 bar10 bar Structural design Piston gate valve Reset method Pneumatic spring Certification Cut. us - Recognized (Ot) 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 Flow direction Internal Flow direction Non-reversible Lap Overlap Pilot pressure MPa O.25 MPa1 MPa 2.5 bar1 O bar Switching time off On switching time Explosion prevention and protection Observe the information on the certificate Zone 2 (AIEX) Zone 22 (AIEX) Zone 22 (AIEX) Zone 21 (AIEX) Zone 21 (AIEX) Zone 22 (AIEX) Zone 23 (AIEX) Zone 23 (AIEX) Zone 24 (AIEX) Zone 25 (AIEX) Zone 25 (AIEX) Zone 25 (AIEX) Zone 24 (AIEX) Zone 25 (AIEX) Zone 2	Valve function	5/2, monostable
Standard nominal flow rate Pneumatic working port Operating pressure O.25 MPa1 MPa 2.5 bar10 bar Structural design Pneumatic spring Certification Certification Certification Certification Culturs - Recognized (OL) Nominal width 5.7 mm Exhaust air function Soft Mounting position Any Manual override None Type of control Direct Pilot air supply port Internal Flow direction Non-reversible Lap Overlap Pilot pressure 2.5 bar10 bar 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 Operation with out lest with severity level 2 as per FN 942017-4 and EN 60068-2-6	Actuation type	Pneumatic
Pneumatic working port Operating pressure O.25 MPa1 MPa 2.5 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 Type of control Pilot air supply port Internal Flow direction Non-reversible Lap Overlap Overlap Pilot pressure MPa O.25 MPa1 MPa Switching time off On switching time Explosion prevention and protection Observe the information on the certificate Zone 21 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Tansport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Valve size	21 mm
Operating pressure Operating medium Information on operating and pilot media Operating pressure were Operating pressure were pressure Operating medium Operating medium Operating medium or UL us - Recognized (OL) Operating pressure pressu	Standard nominal flow rate	700 l/min
2.5 bar10 bar Structural design Reset method Pneumatic spring Certification c UL us - Recognized (OL) Nominal width Exhaust air function With flow control option Sealing principle Mounting position Any Manual override None Type of control Pilot air supply port Internal Flow direction Non-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 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) 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	Pneumatic working port	1/8 NPT
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 Pilot air supply port Internal Flow direction Lap Overlap Pilot pressure MPa O.25 MPa1 MPa Pilot pressure 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 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	Operating pressure	
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 Internal Flow direction Non-reversible Lap Overlap Pilot pressure MPa 0.25 MPa1 MPa Pilot pressure MPa On switching time off 26 ms Explosion prevention and protection Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Coperating 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 Tanks of the Any August 1 of the control of the severity level 2 as per FN 942017-4 and EN 60068-2-6	Structural design	Piston gate valve
Nominal width 5.7 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Type of control Pilot air supply port Internal Flow direction Lap Overlap Pilot pressure MPa 10.25 MPa1 MPa Pilot pressure 2.5 bar10 bar Switching time off 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 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 Mounting position Any Manual override Type of control Pilot air supply port Internal Flow direction Lap Overlap Pilot pressure MPa Pilot pressure Switching time off On switching time Explosion prevention and protection Observe the information on the certificate 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 With flow control option Soft Any Mith flow control option Soft Any Mith flow control option Soft Any Mone None None Overlap Overlap Overlap Overlap Overlap Overlap 2.5 bar10 bar 2.6 ms Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (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	Certification	c UL us - Recognized (OL)
Sealing principle Mounting position Any Manual override Type of control Pilot air supply port Internal Flow direction Lap Overlap Pilot pressure MPa 2.5 bar10 bar 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) Coperating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Soft Any Any None Direct Direct Internal Internal Overlap Overlap Overlap Overlap Overlap Overlap Otherwise Switching time off 13 ms Cobserve the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Tone 22 (ATEX) Tone 22 (ATEX) Tone 22 (ATEX) Tone 23 (ATEX) Tone 24 (ATEX) Tone 25 (ATEX) Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Nominal width	5.7 mm
Mounting position Manual override None Type of control Direct Pilot air supply port Internal Flow direction Non-reversible Lap Overlap Pilot pressure MPa O.25 MPa1 MPa Pilot pressure 2.5 bar10 bar 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) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Any None Overlap Observe the information on the certificate Zone 1 (ATEX) Zone 22 (ATEX) Cone 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	Exhaust air function	With flow control option
Manual override Type of control Direct Pilot air supply port Internal Flow direction Non-reversible Lap Overlap Pilot pressure MPa O.25 MPa1 MPa Pilot pressure 2.5 bar10 bar 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	Sealing principle	Soft
Type of control Pilot air supply port Internal Flow direction Lap Overlap Pilot pressure MPa O.25 MPa1 MPa 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 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 Internal Non-reversible Lap Overlap Overlap Pilot pressure MPa 0.25 MPa1 MPa Pilot pressure 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 Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Manual override	None
Flow direction Non-reversible Overlap Overlap Pilot pressure MPa 0.25 MPa1 MPa 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 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	Type of control	Direct
Derive the information on operating and pilot media Overlap Overlap Overlap Overlap Overlap Overlap Overlap Overlap Oz MPa1 MPa 2.5 bar10 bar Switching time off On switching time 13 ms 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) Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Pilot air supply port	Internal
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 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) Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Flow direction	Non-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 21 (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	Lap	Overlap
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 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 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 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 EN 60068-2-27	Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
	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	178 g
Type of mounting	Optionally: On terminal strip With through-hole
Venting hole connection	Not ducted
Pneumatic connection 1	1/8 NPT
Pneumatic connection 2	1/8 NPT
Pneumatic connection 3	1/8 NPT
Pneumatic connection 4	1/8 NPT
Pneumatic connection 5	1/8 NPT
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