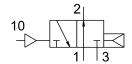
Pneumatic valve VUWS-L20-M32U-A-N18

Part number: 575700







Data sheet

Actuation type Pneumatic Valve size 21 mm Standard nominal flow rate 700 l/min Pneumatic working port 1/8 NPT Operating pressure 2.25 MPa., 1 MPa 2.5 bar., 10 bar Structural design Piston gate valve Reset method Pneumatic spring Certification CUL us - Recognized (OU) 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 O.25 MPa., 1 MPa Pilot pressure MPa O.25 MPa., 1 MPa Switching time off 0.5 serve the information on the certificate Zone 1 (ATEX) Zone 22 (ATEX) Comperation 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 1/8 NPT Operating pressure 2.5 bar10 bar Structural design Piston gate valve 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 Internal Flow direction Non-reversible Lap Overlap Pilot pressure MPa 0.25 MPa1 MPa Operating time off J5 ms On switching time off J5 ms Con prevention and protection Observe the information on the certificate Zone 1 (AFEX) Zone 2 (AFEX) Zone 22 (AFEX)	Valve function	3/2, open, monostable
Standard nominal flow rate Pneumatic working port 1/8 NPT Operating pressure 2.5 bar10 bar Structural design Piston gate valwe Reset method Pneumatic spring Certification Certification Cut us - Recognized (OL) Nominal width 5.7 mm Exhaust air function Sealing principle Soft Mounting position Any Manual override None Type of control Pilot air supply port Internal Pilot will 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 will 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 Piston gate valve Reset method Pneumatic spring Certification cut.us - Recognized (OL) Nominal width 5.7 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override None Pitor of control Direct Pitot air supply port Internal Flow direction Non-reversible Lap Overlap Pitot pressure MPa O.25 MPa1 MPa Pitot 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 Operation 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 Operation pressure were Operating medium Operation with oil lubrication possible (required for further use) Operating pressure with pressure pressure pressure pressure pressure pressure pressure pressure pressure Operating medium Operating medium the pressure pressure pressure pressure pressure pressure Operating medium the pressure pressu	Standard nominal flow rate	700 l/min
2.5 bar10 bar Structural design Reset method Pneumatic spring CUL us - Recognized (OL) Nominal width 5.7 mm Exhaust air function Sealing principle Mounting position Manual override None Type of control Pilot air supply port Internal Information and protection Observe the information on operating and pilot media Operation with oil lubrication possible (required for further use) Vibration resistance Piston gate valve Piestongate valve Piestong	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 Type of control Direct Pilot air supply port Internal Flow direction Lap Overlap Pilot pressure MPa O.25 MPa1 MPa Pilot pressure Switching time off On switching time Tyms 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	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 0.25 bar10 bar Switching time off 15 ms On switching time Explosion prevention and protection Observe the information on the certificate Zone 1 (ATEX) Zone 22 (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	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 22 (ATEX) Zone 21 (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	Reset method	Pneumatic spring
Exhaust air function Sealing principle Mounting position Any Manual override None Type of control Pilot air supply port 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) Coperating 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 Internal Non-reversible Overlap Overlap Overlap Overlap Overlap Overlap Overlap Overlap Overlap Is ms Observe the information on the certificate Zone 1 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Tone 23 (ATEX) Tone 24 (ATEX) Tone 25 (ATEX) Tone 25 (ATEX) Tone 26 (ATEX) Tone 27 (ATEX) Tone 27 (ATEX) Tone 28 (ATEX) Tone 29 (ATEX) Tone 29 (ATEX) Tone 20 (ATEX) T	Certification	c UL us - Recognized (OL)
Sealing principle Soft Mounting position Any Manual override None Type of control Pilot air supply port Internal Flow direction Non-reversible Lap 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 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Cone parting 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	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 7 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 Vibration resistance Any None Overlap Observe the information on the certificate Zone 1 (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	Exhaust air function	With flow control option
Manual override Type of control Direct Direct Pilot air supply port Internal Flow direction Non-reversible Lap Overlap Overlap Pilot pressure MPa O.25 MPa1 MPa Pilot pressure 2.5 bar10 bar Switching time off Tyms Explosion prevention and protection Observe the information on the certificate Zone 1 (ATEX) Zone 22 (ATEX) Zone 22 (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 Tyms 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 Direct Internal Non-reversible Overlap Overlap Overlap Observe 15 ms 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 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 Pilot pressure MPa 0.25 MPa1 MPa Pilot pressure Switching time off 15 ms On switching time 7 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 Vibration resistance Internal Non-reversible Non-reversible Non-reversible Non-reversible Internal Int	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 T 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	Type of control	Direct
Derive the information on operating and pilot media Overlap Overlap O.25 MPa1 MPa 2.5 bar10 bar Switching time off 15 ms Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Compressed air as per ISO 8573-1:2010 [7:4:4] 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	Internal
Pilot pressure MPa 0.25 MPa1 MPa 2.5 bar10 bar Switching time off 15 ms 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	Flow direction	Non-reversible
Pilot pressure 2.5 bar10 bar Switching time off 15 ms On switching time 7 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	Lap	Overlap
Switching time off On switching time 7 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 7 ms 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	15 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	7 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	145 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
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