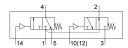
Pneumatic valve VUWS-LT20-T32H-M-G18

Part number: 577531







Data sheet

Valve function Actuation type Pneumatic Valve size 21 mm Standard nominal flow rate Pouratic working port Gi 1/8 Operating pressure -0.09 MPa1 MPa -0.9 bar10 bar Structural design Reset method Certification Cut us - Recognized (Ot) Nominal width 5.2 mm Exhaust air function Sealing principle Mounting position Mounting position Any Manual override Type of control Pilot air supply port Flow direction Non-reversible Lap Pilot pressure MPa Pilot pressure 1.5 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 Operating with severity level 2 as per ffy 942017-	Feature	Value
Valve size Standard nominal flow rate 600 I/min Pneumatic working port G1/8 Operating pressure -0.09 MPa1 MPa -0.9 bar10 bar Structural design Plate seat Reset method Mechanical spring Certification c UL us - Recognized (OL) Nominal width 5.2 mm Standard nominal width Sealing principle Soft Mounting position Any Manual override Type of control Pilot air supply port Internal Flow direction Non-reversible Lap Underlap Pilot pressure MPa Pilot pressure 1.5 bar10 bar Switching time off On switching time Explosion prevention and protection Observe the information on the certificate Zone 2 (ATEX) Zone	Valve function	2x3/2, open/closed, monostable
Standard nominal flow rate Pneumatic working port Operating pressure -0.09 MPa1 MPa -0.9 bar10 bar Structural design Reset method Certification c UL us - Recognized (OL) Nominal width 5.2 mm Exhaust air function With flow control option Sealing principle Mounting position Mounting position Mounting position Manual override Pilot air supply port Internal Flow direction Lap Underlap Pilot pressure MPa Pilot pressure MPa Pilot pressure MPa O.15 MPa1 MPa Pilot pressure MPa Dispessure MPa O.15 MPa1 Dbar Switching time off On switching time Explosion prevention and protection Observe the information on the certificate Zone 1 (ATEX) Zone 22 (ATEX) Zone 27 (ATEX) Zone 27 (ATEX) Zone 29 (ATEX) Zone 20 (ATEX) Zone	Actuation type	Pneumatic
Pneumatic working port Operating pressure -0.09 MPa1 MPa -0.9 bar10 bar Structural design Plate seat Reset method Mechanical spring Certification Cullus - Recognized (OL) Nominal width 5.2 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 Non-reversible Lap Underlap Pilot pressure MPa Pilot pressure MPa Pilot pressure Switching time off On switching time off On switching time Explosion prevention and protection Observe the information on the certificate Zone 1 (ATEX) Zone 22 (ATEX) Transport application test with severity level 2 as per FN 942017-	Valve size	21 mm
Operating pressure -0.09 MPa10 Mar Structural design Reset method Mechanical spring Certification Cultus - Recognized (OL) Nominal width 5.2 mm Exhaust air function Sealing principle Soft Mounting position Any Manual override Type of control Pilot air supply port Flow direction Lap Underlap Pilot pressure MPa Pilot pressure 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 Transport application test with severity level 2 as per FN 942017- Transport application test with severity level 2 as per FN 942017-	Standard nominal flow rate	600 l/min
Structural design Reset method Mechanical spring Certification c UL us - Recognized (OL) Nominal width 5.2 mm Exhaust air function With flow control option Sealing principle Mounting position Manual override Type of control Pilot air supply port Flow direction Lap Underlap Pilot pressure MPa Pilot pressure MPa Pilot pressure 1.5 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 21 (ATEX) Zone 22 (ATEX) 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-	Pneumatic working port	G1/8
Reset method Certification c UL us - Recognized (OL) Nominal width 5.2 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 Underlap Pilot pressure MPa Pilot pressure 1.5 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 22 (ATEX) Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication test with severity level 2 as per FN 942017-	Operating pressure	
Certification c UL us - Recognized (OL) Nominal width 5.2 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 Underlap Pilot pressure MPa 0.15 MPa1 MPa Pilot pressure 1.5 bar10 bar Switching time off 19 ms On switching time 6 ms Explosion prevention and protection Observe the information on the certificate Zone 1 (ATEX) Zone 22 (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 Operation with oil lubrication possible (required for further use) Vibration resistance Transport application test with severity level 2 as per FN 942017-	Structural design	Plate seat
Nominal width Exhaust air function Sealing principle Mounting position Manual override Type of control Pilot air supply port Flow direction Lap Pilot pressure MPa Pilot pressure 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 Vibration resistance Transport application test with severity level 2 as per FN 942017-	Reset method	Mechanical spring
Exhaust air function Sealing principle Soft Mounting position Any Manual override Type of control Pilot air supply port Flow direction Lap Underlap Pilot pressure MPa Pilot pressure 1.5 bar10 bar 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 With flow control option Any Mith flow control option Soft Any Mounting position Any None Underlap Underlap 1.5 bar1 MPa 1.5 bar1 MPa 1.5 bar10 bar 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-	Certification	c UL us - Recognized (OL)
Sealing principle Mounting position Any Manual override Type of control Pilot air supply port Flow direction Lap Underlap Pilot pressure MPa Pilot pressure 1.5 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 Fransport application test with severity level 2 as per FN 942017-	Nominal width	5.2 mm
Mounting position Any Manual override Type of control Pilot air supply port Internal Flow direction Lap Underlap Pilot pressure MPa Pilot pressure 1.5 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 Transport application test with severity level 2 as per FN 942017-	Exhaust air function	With flow control option
Manual override Type of control Direct Pilot air supply port Internal Flow direction Non-reversible Lap Underlap Pilot pressure MPa Pilot pressure 1.5 bar10 bar Switching time off 19 ms On switching time 6 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 Transport application test with severity level 2 as per FN 942017-	Sealing principle	Soft
Type of control Pilot air supply port Flow direction Lap Underlap Pilot pressure MPa Pilot pressure 1.5 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 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-	Mounting position	Any
Pilot air supply port Flow direction Non-reversible Lap Underlap Pilot pressure MPa Pilot pressure 1.5 bar10 bar Switching time off 19 ms 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-	Manual override	None
Flow direction Lap Underlap Pilot pressure MPa Pilot pressure 1.5 bar10 bar Switching time off On switching time 6 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-	Type of control	Direct
Lap Pilot pressure MPa Pilot pressure MPa Pilot pressure Pilot pre	Pilot air supply port	Internal
Pilot pressure MPa Pilot pressure 1.5 bar10 bar Switching time off 19 ms 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-	Flow direction	Non-reversible
Pilot pressure 1.5 bar10 bar Switching time off 19 ms On switching time 6 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-	Lap	Underlap
Switching time off On switching time 6 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-	Pilot pressure MPa	0.15 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-	Pilot pressure	1.5 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-	Switching time off	19 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-	On switching time	6 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-	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-	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Vibration resistance Transport application test with severity level 2 as per FN 942017-	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
EN 60068-2-6	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	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	-5 °C60 °C
Product weight	190 g
Type of mounting	Optionally: On terminal strip With through-hole
Venting hole connection	Not ducted
Pilot air port 10	M5
Pilot air port 14	M5
Pneumatic connection 1	G1/8
Pneumatic connection 2	G1/8
Pneumatic connection 3	G1/8
Note on materials	RoHS-compliant
Seals material	HNBR NBR TPE-U(PU)
Housing material	Die-cast aluminum Painted
Material of screws	Steel, galvanized