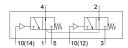
Pneumatic valve VUWS-LT20-T32U-M-G18

Part number: 577530







Data sheet

| Actuation type Pneumatic Valve size 21 mm Standard nominal flow rate 600 l/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 culture - 2.2 mm Exhaust air function With 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 MPa Pilot pressure MPa On switching time off 0 shar1 Obar Switching time off 0 Observe the information on the certificate Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 | Feature | Value |
|--|--|--|
| Valve size Standard nominal flow rate 600 l/min Pneumatic working port 61/8 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 Exhaust air function Sealing principle Soft Mounting position Any Manual override None Type of control Pilot air supply port Internal Flow direction Lap Underlap Pilot pressure MPa O.15 MPa1 MPa Pilot pressure 1.5 bar10 bar Switching time off On switching time Explosion prevention and protection Operating medium Operating medium Operating medium Operating medium Operation 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 | Valve function | 2x3/2, open, monostable |
| Standard nominal flow rate Pneumatic working port G1/8 Operating pressure Operating medium Operating position Operating medium Operating position Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating medium Operating medium Operating pressure operating and pilot media Operating pressure operating super pressure operating pressure operating and pilot media Operating pressure Ope | Actuation type | Pneumatic |
| Pneumatic working port Operating pressure -0.99 MPa1 MPa -0.9 bar10 bar Structural design Reset method Mechanical spring Certification cUL 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 Pilot air supply port Internal Flow direction Non-reversible Lap Underlap Pilot pressure MPa Distriction 1.5 bar10 bar Switching time off On switching time Explosion prevention and protection Operating medium Operating medium Operating medium Operating medium Operating medium on operating and pilot media Operation serving level as per FN 942017-4 and EN 60068-2-6 Internal Poles with severity level 2 as per FN 942017-4 and EN 60068-2-6 | Valve size | 21 mm |
| Operating pressure -0.09 MPa1 MPa -0.9 bar10 bar Structural design Plate seat Mechanical spring Certification culfus - Recognized (OL) Nominal width 5.2 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override None Pitot air supply port Internal Flow direction Non-reversible Lap Underlap Pitot pressure MPa 1.5 bar10 bar Switching time off 18 ms 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 | Standard nominal flow rate | 600 l/min |
| Structural design Reset method Mechanical spring Certification CUL 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 Underlap Pilot pressure MPa O.15 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 | Pneumatic working port | G1/8 |
| Reset method Mechanical spring 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 Lap Pilot pressure MPa O.15 MPa1 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 | Operating pressure | |
| Certification c CUL 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 MPa 1.5 bar10 bar Switching time off 18 ms On switching time Explosion prevention and protection Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Coperating 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 | Structural design | Plate seat |
| 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 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 | Mechanical spring |
| Exhaust air function 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 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 With flow control option Soft Any Mith flow control option Soft Any Mone None None None 1.5 bar10 bar 1.6 ms 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 | Certification | c UL us - Recognized (OL) |
| Sealing principle Mounting position Any Manual override None 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 Cobserve 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 | Nominal width | 5.2 mm |
| Mounting position Manual override Type of control Pilot air supply port Internal Flow direction Lap Underlap Pilot pressure MPa O.15 MPa1 MPa Pilot pressure 1.5 bar10 bar Switching time off On switching time Explosion prevention and protection Dobserve 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 Wibration 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 Lap Underlap Pilot pressure MPa O.15 MPa1 MPa Pilot pressure 1.5 bar10 bar Switching time off On switching time Explosion prevention and protection Cobserve the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Cone 2 (ATEX | Sealing principle | Soft |
| 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 Direct Internal Direct Internal Non-reversible Underlap Underlap 1.5 bar10 bar 18 ms Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (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 942017-4 and EN 60068-2-6 | Mounting position | Any |
| Pilot air supply port Internal 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 1 (ATEX) Zone 2 (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 | Manual override | None |
| Flow direction Non-reversible Underlap 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) Cone 20 (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 942017-4 and EN 60068-2-6 | Type of control | Direct |
| Underlap Pilot pressure MPa 0.15 MPa1 MPa Pilot pressure 1.5 bar10 bar Switching time off 18 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 | Pilot air supply port | Internal |
| Pilot pressure MPa 0.15 MPa1 MPa 1.5 bar10 bar Switching time off 18 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 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 1.5 bar10 bar Switching time off 18 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 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 | 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 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 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 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 | 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 942017-4 and EN 60068-2-6 | Switching time off | 18 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) Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 | 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 942017-4 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 | -5 °C60 °C |
| Product weight | 191 g |
| Type of mounting | Optionally: On terminal strip With through-hole |
| Venting hole connection | Not ducted |
| Pilot air port 10 | 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 |