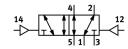
Pneumatic valve VUWS-L30-B52-N38

Part number: 575650







General operating condition

Data sheet

| Type of actuation Pineumatic 32 mm Standard nominal flow rate 2300 l/min pneumatic working port 378 NPT Operating pressure -0.09 MPa 1 MPa Operating pressure -0.9 bar 10 bar Design Piston gate valve Approval Cut us - Recognized (OL) Nominal size 9.4 mm Exhaust-air function Sealing principle Soft Mounting position Manual override None Direct Pilot air supply Internal Flow direction Reversible Symbol Overlap Pilot pressure 0.15 MPa 1 MPa 1.15 MPa 1. | Feature | Value |
|--|------------------------------------|---|
| Valve size Standard nominal flow rate Standard nominal flow rate Deparating pressure Operating pressure Out us - Recognized (OL) Nominal size Exhaust-air function With flow control option Sealing principle Soft Mounting position Optional Manual override None Type of piloting Direct Pilot air supply Internal Flow direction Reversible Symbol Operating Pilot pressure Operating Pilot pressure Operating time reversal Internal The information in the certificate must be observed! Zone 2 (ATEX) Zone 2 (ATE | Valve function | 5/2 double solenoid |
| Standard nominal flow rate pneumatic working port 2300 l/min 278 NPT 290 perating pressure 0.09 MPa 1 MPa 0.09 perating pressure 0.9 bar 10 bar Piston gate valve Approval c UL us - Recognized (OL) Nominal size 9.4 mm With flow control option Sealing principle Soft Mounting position Manual override None 187 Operating upply Internal Flow direction Reversible Symbol 00991037 Iapp Overlap Overlap Overlap Switching time reversal Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEK) Zone 2 (AT | Type of actuation | Pneumatic |
| peneumatic working prott Operating pressure Operating with flow control option Optional Option | Valve size | 31 mm |
| Operating pressure Piston gate valve Operating pressure Operating operation operating operation operating operation operating operation operation operating operation operating operation operatio | Standard nominal flow rate | 2300 l/min |
| Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Piston gate valve CUL us - Recognized (OL) Nominal size SA 4 mm With flow control option Sealing principle Soft Mounting position Manual override None Optional Manual override None Pitot air supply Internal Flow direction Reversible Symbol Operating Operating Overlap Pitot pressure O.15 MPa 1 MPa Pitot pressure 1.5 bar 10 bar Switching time reversal 13 ms Explosion protection The information in the certificate must be observed! Zone 2 (ATEX) | pneumatic working port | 3/8 NPT |
| Design Piston gate valve Approval C UL us - Recognized (OL) Nominal size 9,4 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Manual override None Type of piloting Direct Pilot air supply Internal Flow direction Reversible Symbol 00991037 Jap 0 Overlap Pilot pressure 0.15 MPa 1 MPa Pilot pressure 1.5 bar 10 bar Switching time reversal 13 ms Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Cone pressure Operating and pilot medium Under the desired operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance Class CRC 2 - Moderate corrosion stress Media temperature 10 °C 60 °C With flow control option Set Justice Question With flow control option Set Justice All Set Just | Operating pressure | -0.09 MPa 1 MPa |
| Approval c UL us - Recognized (OL) Nominal size 9.4 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Manual override None Type of piloting Direct Pilot air supply Internal Flow direction Reversible Symbol 00991037 Jap 00verlap Pilot pressure 0.15 MPa 1 MPa Pilot pressure 1.5 bar 10 bar Switching time reversal 13 ms Explosion protection The information in the certificate must be observed! Zone 21 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Sone on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) With a correction tresistance Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance Class CRC 2 - Moderate corrosion stress Media temperature - 10 °C 60 °C With flow control option With flow direction With flow control option With flo | Operating pressure | -0.9 bar 10 bar |
| Nominal size Exhaust-air function With flow control option Sealing principle Soft Mounting position Manual override Pilot air supply Internal Flow direction Reversible Symbol 100991037 10ap Overlap Pilot pressure 1.5 bar 1 MPa Pilot pressure 1.5 bar 1 M bar Switching time reversal Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 22 (ATEX) Zone 21 (ATEX) Sone on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Shock resistance Tansport application test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 2 - Moderate corrosion stress Media temperature 40 °C 60 °C WDMA24364-B1/B2-L Media temperature 40 vormands With flow control option With flow control option Soft With flow control option With flow control option Soft With flow control option With flow direction With flow control option With flow control option With flow direction With flow direction With flow control option With flow direction | Design | Piston gate valve |
| Exhaust-air function Sealing principle Soft Mounting position Manual override None Direct Internal Flow direction Seymbol Jope 10 15 bar 10 bar Switching time reversal Explosion protection The information in the certificate must be observed! Zone 2 (ATEX) Zone 22 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Corporating medium Note on operating and pilot medium Lubricated operation test with severity level 2 to FN 942017-4 and EN 60068-2-27 Corrosion resistance Shock resistance Shock resistance class CRC 2 - Moderate corrosion stress With flow control option Soft Soft With flow control option Soft Soft Optional None Optional None Optional None Optional None Operating principle Soft None Optional None O | Approval | c UL us - Recognized (OL) |
| Sealing principle Soft Mounting position Manual override None Direct Internal Flow direction Reversible Symbol Joverlap Pilot pressure 1.5 bar 10 bar Switching time reversal Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 22 (ATEX) Zone 25 (ATEX) Zone 25 (ATEX) Zone 26 (ATEX) Zone 27 (ATEX) Zone 27 (ATEX) Zone 27 (ATEX) Zone 28 (ATEX) Zone 29 (ATEX) Zone 29 (ATEX) Zone 20 (ATEX) Zone 20 (ATEX) Zone 20 (ATEX) Zone 20 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Corpressed air to ISO 8573-1:2010 [7:4:4] Lubricated operation possible (in which case lubricated operation will always be required) Wibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 2 · Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C 60 °C | Nominal size | 9.4 mm |
| Mounting position Manual override None Type of piloting Direct Internal Flow direction Reversible Symbol Josepha (15 bar 1 MPa) Pilot pressure Josepha (17 bar) Switching time reversal Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 2 - Moderate corrosion stress Wolf and Policy (10 Cm.) VDMA24364-B1/B2-L Media temperature Josepha (10 Cm.) Mone None | Exhaust-air function | With flow control option |
| Manual override Type of piloting Direct Type of piloting Direct Pilot air supply Internal Flow direction Reversible Symbol O0991037 Jap Overlap Pilot pressure O.15 MPa 1 MPa Pilot pressure I.5 bar 10 bar Switching time reversal I3 ms Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Shock resistance Shock resistance Shock resistance Shock resistance Corrosion resistance class CRC 2 - Moderate corrosion stress WDMA24364-B1/B2-L Media temperature -10 °C 60 °C | Sealing principle | Soft |
| Direct Pilot air supply Internal Flow direction Reversible Symbol Operating Pilot pressure Operating medium Note on operating and pilot medium Vibration resistance Shock resistance Corrosion resistance Corrosion resistance LABS (PWIS) conformity Media temperature Internal Reversible Operating Reversible Operating Nete on Operating Operating Direct Internal Reversible Operating Reversible Operating Internal Reversible Operating Reversible Operating Reversible Operating Internal Reversible Operating Reversible Operating Internal Internal Internal Reversible Operating Internal Interna | Mounting position | optional |
| Pilot air supply Internal Reversible Oug91037 Iap Overlap Overlap Pilot pressure 1.5 bar 10 bar Switching time reversal Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 2 - Moderate corrosion stress VDMA24364-B1/B2-L Media temperature -10 °C 60 °C | Manual override | None |
| Reversible Symbol Outplap Overlap Pilot pressure Outplap 1.5 bar 10 bar Switching time reversal Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 2 - Moderate corrosion stress VDMA24364-B1/B2-L Media temperature -10 °C 60 °C | Type of piloting | Direct |
| Overlap Pilot pressure O.15 MPa 1 MPa Pilot pressure 1.5 bar 10 bar Switching time reversal 13 ms Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Vone on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C 60 °C | Pilot air supply | Internal |
| Overlap Overlap Pilot pressure O.15 MPa 1 MPa 1.5 bar 10 bar Switching time reversal Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C 60 °C | Flow direction | Reversible |
| Pilot pressure 0.15 MPa 1 MPa 1.5 bar 10 bar Switching time reversal 13 ms Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C 60 °C | Symbol | 00991037 |
| Pilot pressure 1.5 bar 10 bar Switching time reversal 13 ms Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C 60 °C | lap | Overlap |
| Switching time reversal Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C 60 °C | Pilot pressure | 0.15 MPa 1 MPa |
| The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 2 - Moderate corrosion stress VDMA24364-B1/B2-L Media temperature -10 °C 60 °C | Pilot pressure | 1.5 bar 10 bar |
| Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 2 - Moderate corrosion stress VDMA24364-B1/B2-L Media temperature -10 °C 60 °C | Switching time reversal | 13 ms |
| Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 2 - Moderate corrosion stress VDMA24364-B1/B2-L Media temperature -10 °C 60 °C | Explosion protection | Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) |
| always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 2 - Moderate corrosion stress VDMA24364-B1/B2-L Media temperature -10 °C 60 °C | Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 2 - Moderate corrosion stress VDMA24364-B1/B2-L Media temperature -10 °C 60 °C | Note on operating and pilot medium | |
| Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C 60 °C | Vibration resistance | |
| LABS (PWIS) conformity VDMA24364-B1/B2-L -10 °C 60 °C | Shock resistance | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 |
| Media temperature -10 °C 60 °C | Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| · | LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Pilot medium Compressed air to ISO 8573-1:2010 [7:4:4] | Media temperature | -10 °C 60 °C |
| | Pilot medium | Compressed air to ISO 8573-1:2010 [7:4:4] |

| Feature | Value |
|------------------------------|--|
| Ambient temperature | -10 °C 60 °C |
| Product weight | 545 g |
| Type of mounting | Either: On manifold rail With through-hole |
| Breather connection | Not ducted |
| Pilot air port 12 | 1/8 NPT |
| Pilot air port 14 | 1/8 NPT |
| Pneumatic connection, port 1 | 3/8 NPT |
| Pneumatic connection, port 2 | 3/8 NPT |
| Pneumatic connection, port 3 | 3/8 NPT |
| Pneumatic connection, port 4 | 3/8 NPT |
| Pneumatic connection, port 5 | 3/8 NPT |
| Note on materials | RoHS-compliant |
| Material seals | HNBR NBR |
| Material housing | Die-cast aluminium Painted |
| Material piston slide | Wrought aluminium alloy |
| Material screws | Nickel-plated steel |