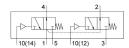
## Pneumatic valve VUWS-LT30-T32H-M-G38

Part number: 8036720







General operating condition

## **Data sheet**

Type of actuation  Preumatic  Standard nominal flow rate (standardised to DIN 1343)  preumatic working port  G3/8  Operating pressure  O.1 MPa 1 MPa  Operating pressure  1 bar 10 bar  Operating pressure  1 bar 10 bar  Operating pressure  Operating pressure  1 bar 10 bar  Operating pressure  Operating pressure  1 bar 10 bar  Operating pressure  1 bar 10 bar  Operating pressure  1 bar 10 bar  Operating pressure  Operating pressure  1 bar 10 bar  Operating pressure  Out U. s. Recognized (Ot)  Nominal size  7.8 mm  Exhaust-air function  Sealing principle  Soft  Mounting position  With flow control option  Sealing principle  Soft  Mounting position  Opitional  Manual override  None  Uppe of piloting  Direct  Pilot air supply  Internal  Flow direction  Non-reversible  Symbol  Op995851  Iap  Underlap  Underlap  Pilot pressure  O.25 MPa 1 MPa  Pilot pressure  O.25 MPa 1 MPa  Pilot pressure  O.25 MPa 1 MPa  Switching time off  45 ms  Switching time off  Switching time on  12 ms  Explosion protection  The information in the certificate must be observed!  Zone 2 (ATEX)  Zone 22 (ATEX)  Zone 23 (ATEX)  Zone 23 (ATEX)  Zone 24 (ATEX)  Zone 25 (ATEX)  Zone 26 (ATEX)  Zone 26 (ATEX)  Zone 27 (ATEX)  Zone 26 (ATEX)  Zone 27 (ATEX)  Zone 27 (ATEX)  Zone 27 (ATEX)  Zone 27 (ATEX)  Zone 28 (ATEX)  Zone 29 (ATEX)  Zone 29 (ATEX)  Zone 20 (ATEX)	Feature	Value
Valve size  Standard nominal flow rate (standardised to DIN 1343)  pneumatic working port  Operating pressure  O.1 MPa 1 MPa  Operating pressure  O.2 1 MPa 1 D bar  Poppet seat  Itype of reset  Approval  Nominal size  Chaust-air function  With flow control option  Sealing principle  Soft  Mounting position  Mounting position  Manual override  None  Type of piloting  Direct  Flow direction  Non-reversible  Symbol  Operating time off  Switching time on  Explosion protection  Operating medium  Note on operating and pilot medium  Lubricated Operating volusion series Labs CRC  Labs (PMIS) conformity  VDMA24364-B1/B2-L  Cleanroom class  Media temperature  O.1 MPa 1 MPa  Poppet seat  A 1 bar 10 bar  A 1 bar 10 bar  A 2 moderate corrosion stress  Labs (PMIS) conformity  VDMA24364-B1/B2-L  Cleanroom class  Media temperature  O.1 MPa 1 MPa  Plot plot question  A 2 moderate corrosion stress  Labs (PMIS) conformity  VDMA24364-B1/B2-L  Cleanroom class  Media temperature  O.1 MPa 1 MPa  A 1 mPa  A 2 moderate corrosion stress  Labs (PMIS) conformity  VDMA24364-B1/B2-L  Cleanroom class  Media temperature  J 1 m 2 m 4 m 4 m 4 m 4 m 4 m 4 m 4 m 4 m 4	Valve function	2x3/2-way, open/closed, monostable
Standard nominal flow rate (standardised to DIN 1343)  pneumatic working port  G3/8  Operating pressure  0.1 MPa 1 MPa  Operating pressure  1 bar 10 bar  Design  Poppet seat  Type of reset  Mechanical spring  Approval  CUL us - Recognized (OU)  Nominal size  Exhaust-air function  With flow control option  Sealing principle  Soft  Mounting position  Mounting position  Mounting position  Mounting position  Monne  Type of piloting  Direct  Pilot air supply  Internal  Flow direction  Non-reversible  Symbol  Op995851  Jap  Underlap  Pilot pressure  0.25 MPa 1 MPa  2.5 bar 10 bar  Switching time off  45 ms  Switching time off  45 ms  Explosion protection  The information in the certificate must be observed!  Zone 1 (ATEX)  Zone 2 (ATEX)	Type of actuation	Pneumatic
pneumatic working port Operating pressure Operating pressure Operating pressure 1 bar 10 bar Design Poppet seat Type of reset Mechanical spring Approval CUL us - Recognized (OL) Nominal size 7.8 mm Exhaust-air function Soft Mounting position Mone Type of piloting Direct Pilot air supply Internal Flow direction Non-reversible Symbol Underlap Pilot pressure O.25 MPa 1 MPa Pilot pressure D.25 bar 10 bar Switching time off 45 ms Switching time on 12 ms Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (AT	Valve size	31 mm
Operating pressure Operating pressure Operating pressure 1 bar 10 bar Operating pressure Poppet seat Type of reset Mechanical spring Approval CUL us - Recognized (OL) Nominal size 7.8 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Mounting position Manual override None Type of piloting Direct Pilot air supply Internal Pilot air supply Internal Inderlap Underlap Pilot pressure O.25 MPa 1 MPa Pilot pressure Districting time off Switching time on Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 23 (MEX) Corrosion resistance class CRC  LABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Media temperature  1.0 °C 60 °C  Media temperature  Media temperature  OLU 60 °C  UL 60	Standard nominal flow rate (standardised to DIN 1343)	1600 l/min
Design Poppet seat  Design Poppet seat  Type of reset Mechanical spring  CLU us - Recognized (OL)  Nominal size 7.8 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 Non-reversible  Symbol 00995851  Iapp Underlap  Pilot pressure 0.25 Mar 1 MPa  Pilot pressure 2.5 bar 1 D bar  Switching time on 12 ms  Explosion protection The information in the certificate must be observed!  Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Corrosion resistance class CRC 2 - Moderate corrosion stress  Media temperature 150 °C 60 °C  Media temperature  Media temperature  Media temperature  I Lus - Recognized (OL)  Mith Rechanical spring  Media temperature  I bar 10 bar  Media temperature  I bar 10 bar  Mith flow control option  Mith flow control option  With flow control option  Wi	pneumatic working port	G3/8
Design Poppet seat Type of reset Mechanical spring Approval C UL us - Recognized (OL) Nominal size 7.8 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 Non-reversible Symbol 00995851 Iap Underlap Pilot pressure 0.25 MPa 1 MPa Pilot pressure 2.5 bar 10 bar Switching time off 45 ms Switching time on 12 ms Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATE	Operating pressure	0.1 MPa 1 MPa
My chanical spring Approval  C UL us - Recognized (OL) Nominal size  7.8 mm  Exhaust-air function  With flow control option  Sealing principle  Mounting position  Manual override  None  Type of piloting  Pilot air supply  Internal  Flow direction  Non-eversible  Symbol  Jopessure  O.25 MPa 1 MPa  Pilot pressure  2.5 bar 10 bar  Switching time on  Explosion protection  Operating time on  Explosion protection  Corrosion resistance class CRC  ABS (PWIS) conformity  V DMA24364-B1/B2-L  Cleanroom class  Media temperature  Mith flow control option  With flow control option  With flow control option  With flow control option  With flow control option  Soft  Media temperature  AB mm  Mith flow control option  With flow control option  With flow control option  With flow control option  Soft  With flow control option  With flow control option  Soft  With flow control option  With flow control option  Soft  With flow control option  Soft  Mona Recognized (OL)  None  AB mm  With flow control option  With flow control option  Soft  Mona Recognized (OL)  With flow control option  With flow control option  Soft  AB mm  With flow control option  With flow control opt	Operating pressure	1 bar 10 bar
Approval c UL us - Recognized (OL)  Nominal size 7.8 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 Non-reversible  Symbol 00995851  Jupe Underlap  Pilot pressure 0.25 MPa 1 MPa  Pilot pressure 2.5 bar 10 bar  Switching time off 45 ms  Explosion protection The information in the certificate must be observed!  Zone 1 (ATEX)  Zone 2 (ATEX)  Zone 2 (ATEX)  Zone 2 (ATEX)  Zone 2 (ATEX)  Cone o operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC 2 - Moderate corrosion stress  Media temperature (Jose C 60 °C  Media temperature  Cut 60 °C  Cu	Design	Poppet seat
Nominal size  Exhaust-air function  With flow control option  Sealing principle  Soft  Mounting position  Manual override  None  Type of piloting  Pilot air supply  Internal  Flow direction  Symbol  App  Underlap  Pilot pressure  0.25 MPa 1 MPa  Pilot pressure  2.5 bar 10 bar  Switching time on  Explosion protection  The information in the certificate must be observed!  Zone 1 (ATEX)  Zone 2 (ATEX)  Zone 2 (ATEX)  Zone 22 (ATEX)  Operating medium  Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  2 Moderate corrosion stress  Class 6 according to ISO 14644-1  Media temperature  7.8 mm  With flow control option  Soft  Soft  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  2 Moderate corrosion stress  Class 6 according to ISO 14644-1  Hedia temperature  -10 °C 60 °C	Type of reset	Mechanical spring
Exhaust-air function  Sealing principle  Soft  Mounting position  Manual override  None  Type of piloting  Pilot air supply  Internal  I	Approval	c UL us - Recognized (OL)
Sealing principle  Mounting position  Manual override  Type of piloting  Direct  Pilot air supply  Internal  Flow direction  Non-reversible  Symbol  Juderlap  Underlap  Pilot pressure  2.5 bar 10 bar  Switching time off  Switching time on  Explosion protection  The information in the certificate must be observed!  Zone 2 (ATEX)  Zone 2 (ATEX)  Zone 22 (ATEX)  Connegating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation systems  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Cleas 6 according to ISO 14644-1  Media temperature  -10 °C 60 °C	Nominal size	7.8 mm
Mounting position  Manual override  Type of piloting  Direct  Pilot air supply  Internal  Flow direction  Non-reversible  Symbol  100995851  Iap  Underlap  Pilot pressure  10.25 MPa 1 MPa  Pilot pressure  2.5 bar 10 bar  Switching time off  45 ms  Explosion protection  Explosion protection  The information in the certificate must be observed!  Zone 1 (ATEX)  Zone 2 (ATEX)  Zone 21 (ATEX)  Zone 22 (ATEX)  Zone 22 (ATEX)  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)  Corrosion resistance class CRC  2 - Moderate corrosion stress  VDMA24364-B1/B2-L  Cleanroom class  Media temperature  -10 °C 60 °C	Exhaust-air function	With flow control option
Manual override Type of piloting Direct Pilot air supply Internal Flow direction Non-reversible Symbol O0995851 Iap Underlap Pilot pressure O.25 MPa 1 MPa Pilot pressure 12.5 bar 10 bar Switching time off Switching time on Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Departing medium Corrosion resistance class CRC VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Media temperature  None-reversible None-reversible None-reversible O0995851 Internal Interna	Sealing principle	Soft
Direct Pilot air supply Internal Flow direction Non-reversible Symbol O0995851 Iap Underlap Pilot pressure O.25 MPa 1 MPa Pilot pressure 12.5 bar 10 bar Switching time off Switching time on 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) Corrosion resistance class CRC 2 - Moderate corrosion stress Class 6 according to ISO 14644-1 Media temperature -10 °C 60 °C	Mounting position	optional
Pilot air supply  Flow direction  Non-reversible  Symbol  00995851  Iap  Underlap  Pilot pressure  0.25 MPa 1 MPa  Pilot pressure  2.5 bar 10 bar  Switching time off  45 ms  Switching time on  12 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) Cone rating 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)  Corrosion resistance class CRC  2 - Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Cleanroom class  Class 6 according to ISO 14644-1  Media temperature  -10 °C 60 °C	Manual override	None
Non-reversible  Symbol  lap  Underlap  Underlap  Pilot pressure  0.25 MPa 1 MPa  2.5 bar 10 bar  Switching time off  Switching time on  12 ms  Explosion protection  The information in the certificate must be observed!  Zone 1 (ATEX)  Zone 2 (ATEX)  Zone 22 (ATEX)  Zone 22 (ATEX)  Cone pressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium  Corrosion resistance class CRC  1 Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Cleanroom class  Class 6 according to ISO 14644-1  Media temperature  -10 °C 60 °C	Type of piloting	Direct
Symbol lap Underlap Pilot pressure 0.25 MPa 1 MPa 2.5 bar 10 bar Switching time off 45 ms Switching time on 12 ms 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 (în which case lubricated operation will always be required) Corrosion resistance class CRC 2 · Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Media temperature -10 °C 60 °C	Pilot air supply	Internal
Underlap  Pilot pressure  0.25 MPa 1 MPa  Pilot pressure  2.5 bar 10 bar  Switching time off  45 ms  Switching time on  12 ms  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)  Corrosion resistance class CRC  2 - Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Cleanroom class  Class 6 according to ISO 14644-1  Media temperature  -10 °C 60 °C	Flow direction	Non-reversible
Pilot pressure  2.5 bar 1 MPa  2.5 bar 10 bar  Switching time off  45 ms  Switching time on  12 ms  Explosion protection  The information in the certificate must be observed! Zone 1 (ATEX) Zone 22 (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)  Corrosion resistance class CRC  2 - Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Cleanroom class  Class 6 according to ISO 14644-1  Media temperature  -10 °C 60 °C	Symbol	00995851
Pilot pressure  2.5 bar 10 bar  Switching time off  45 ms  Switching time on  12 ms  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)  Corrosion resistance class CRC  2 - Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Cleanroom class  Class 6 according to ISO 14644-1  Media temperature  -10 °C 60 °C	lap	Underlap
Switching time off  Switching time on  12 ms  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)  Corrosion resistance class CRC  2 - Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Cleanroom class  Class 6 according to ISO 14644-1  Media temperature  -10 °C 60 °C	Pilot pressure	0.25 MPa 1 MPa
Switching time on 12 ms  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)  Corrosion resistance class CRC 2 - Moderate corrosion stress  LABS (PWIS) conformity VDMA24364-B1/B2-L  Cleanroom class Class 6 according to ISO 14644-1  Media temperature -10 °C 60 °C	Pilot pressure	2.5 bar 10 bar
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)  Corrosion resistance class CRC  2 - Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Cleanroom class  Class 6 according to ISO 14644-1  Media temperature  -10 °C 60 °C	Switching time off	45 ms
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)  Corrosion resistance class CRC 2 - Moderate corrosion stress  LABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Media temperature -10 °C 60 °C	Switching time on	12 ms
Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  2 - Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Cleanroom class  Class 6 according to ISO 14644-1  Media temperature  -10 °C 60 °C	Explosion protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX)
always be required)  Corrosion resistance class CRC  2 - Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Cleanroom class  Class 6 according to ISO 14644-1  Media temperature  -10 °C 60 °C	Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
LABS (PWIS) conformity  VDMA24364-B1/B2-L  Cleanroom class  Class 6 according to ISO 14644-1  Media temperature  -10 °C 60 °C	Note on operating and pilot medium	, , , , , , , , , , , , , , , , , , , ,
Cleanroom class  Class 6 according to ISO 14644-1  -10 °C 60 °C	Corrosion resistance class CRC	2 - Moderate corrosion stress
Media temperature -10 °C 60 °C	LABS (PWIS) conformity	VDMA24364-B1/B2-L
'	Cleanroom class	Class 6 according to ISO 14644-1
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	524 g
Type of mounting	Either: On manifold rail With through-hole
Breather connection	Not ducted
Pilot air port 10	G1/8
Pilot air port 14	G1/8
Pneumatic connection, port 1	G3/8
Pneumatic connection, port 2	G3/8
Pneumatic connection, port 3	G3/8
Pneumatic connection, port 4	G3/8
Pneumatic connection, port 5	G3/8
Note on materials	RoHS-compliant
Material seals	HNBR NBR TPE-U(PU)
Material housing	Painted die cast aluminium
Material piston slide	POM
Material screws	Galvanised steel