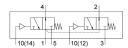
## Pneumatic valve VUWS-LT30-T32U-M-G38

**FESTO** 

Part number: 8036713





General operating condition

## **Data sheet**

Aple of actuation  Preumatic  Jalve size  31 mm  1000 l/min  Journal flow rate (standardised to DIN 1343)  Deparating pressure  0.1 MPa 1 MPa  Deparating pressure  1 bar 10 bar  Deparating pressure  1 bar 10 bar  Departing pressure  1 cult us - Recognized (OL)  Nominal size  As mm  With flow control option  Soft  Mounting position  Manual override  Wounting position  Journal override  None  Pilot air supply  Internal  Journal override  Journal override  Journal override  Non-reversible  Journal override  Journal override  Journal override  Non-reversible  Journal override  Journal overri	Feature	Value
Able size  Standard nominal flow rate (standardised to DIN 1343)  1600 l/min	Valve function	2x3/2-way, open, monostable
Standard nominal flow rate (standardised to DIN 1343)  Deperating pressure  O.1 MPa 1 MPa  Deperating pressure  1 bar 10 bar  Posign  Poppet seat  Kype of reset  Mechanical spring  CUL us - Recognized (OL)  Nominal size  7.8 mm  Nominal size  Soft  Mounting position  Multiple of prictiple  Mounting position  Mone  Vype of piloting  Direct  Pilot air supply  Internal  How direction  Non-reversible  Oo995851  App  Underlap  Underlap  Pilot pressure  O.25 MPa 1 MPa  Switching time off  45 ms  Switching time off  A5 ms  Explosion protection  Deparating medium  Ooperating medium  Ooperating medium  Outer on operating and pilot medium  Lubricated operation possible (in which case lubricated operation will always be required)  Lubricated operation stress  CLass (PWIS) conformity  VDMA24364-B1/82-L  Lelanoom class  Media temperature  Ooler (10 CC 60 °C  Media temperature	Type of actuation	Pneumatic
Sperating pressure 0.1 MPa 1 MPa 1 Dar	Valve size	31 mm
Operating pressure Operating pressure Operating pressure 1 bar 10 bar Operating pressure Poppet seat (Yope of reset Americal spring Operating size operation size Operating size operation size size operation size operation size Operating size operation operating and pilot medium Operating size operation operating size operation sizes Operating size operation operating size operation sizes Operating size operation size operation sizes Operating size operation size operation operation sizes Operating size operation operation size operation operation size operation	Standard nominal flow rate (standardised to DIN 1343)	1600 l/min
Deperating pressure  1 bar 10 bar Poppet seat  Nype of reset  Mechanical spring  Cul us - Recognized (OL)  Nominal size  7.8 mm  With flow control option  Sealing principle  Soft  Mounting position  Manual override  Pilot air supply  Internal  None  None-reversible  Symbol  O0995851  ap  Underlap  Pilot pressure  O.25 MPa 1 MPa  Pilot pressure  Switching time on  Explosion protection  The information in the certificate must be observed!  Zone 1 (ATEX)  Zone 2 (ATEX)  Zone 2 (ATEX)  Zone 2 (ATEX)  Corrosion resistance class CRC  2 Moderate corrosion stress  Wedia temperature  Telso PC 60 °C  Wedia temperature  Wedia temperature  VIL us - Recognized (OL)  Media temperature  1 bar 10 bar  Media temperature	pneumatic working port	G3/8
Pesign Poppet seat  Vipe of reset Mechanical spring  Approval CUL us - Recognized (OL)  All Seating principle  Soft  Mounting position  Manual override  Mounting position  Manual override  None  Pilot pressure  Pilot pressure  Pilot pressure  Pilot pressure  Pilot pressure  Explosion protection  Explosion protection  The information in the certificate must be observed!  Zone 1 (ATEX) Zone 22 (ATEX) Zone 20 (	Operating pressure	0.1 MPa 1 MPa
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  Manual override  None  Plot air supply  Internal  Plot air supply  Internal  Plot air supply  Internal  Oo995851  Underlap  Plot pressure  2.5 bar 10 bar  Switching time on  Explosion protection  Departing time on  12 ms  Explosion protection  Ooperating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Lubricated operation possible (in which case lubricated operation will always be required)  Ooperating to ISO 14644-1  Clearroom class  Media temperature  Oop C 60 °C  With flow control option  Soft  Operating medium  C UL us - Recognized (OL)  Note on operating and pilot medium  Underlap  Class 6 according to ISO 14644-1  Lubricated operature  - 10 °C 60 °C	Operating pressure	1 bar 10 bar
Approval App	Design	Poppet seat
As minimal size  T.8 mm  With flow control option  Sealing principle  Soft  Wounting position  Annual override  None  Rype of piloting  Direct  Pilot air supply  Internal  Pilot pressure  O.25 MPa 1 MPa  Pilot pressure  2.5 bar 10 bar  Switching time on  Explosion protection  Corporating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Lubricated operating and pilot medium  Lubricated operation on Stress  ABS (PWIS) conformity  VDMA24364-B1/B2-L  Learnoom class  Media temperature  Voted  With 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  None  Pilot of working option  With flow control option  Soft  None  Pilot of working option  With flow control option  Soft  None  Pilot of working  None  Pilot optional  None  Non	Type of reset	Mechanical spring
Exhaust-air function  Sealing principle  Soft  Mounting position  Manual override  Mounting position  Manual override  None  Spilot air supply  Internal  Non-reversible  Symbol  Op95851  Ap  Underlap  Pilot pressure  O,25 MPa 1 MPa  Explosion protection  Switching time on  Explosion protection  The information in the certificate must be observed!  Zone 1 (ATEX)  Zone 22 (ATEX)  Zone 22 (ATEX)  Zone 22 (ATEX)  Zone 22 (ATEX)  Corporating medium  Corrosion resistance class CRC  2 - Moderate corrosion stress  Media temperature  Wedia temperature  Wedia temperature  Winner  Soft  With flow control option  Soft  Soft  Optional  None  Optional  None  None  None  None  Optional  Optional  None  O	Approval	c UL us - Recognized (OL)
Sealing principle  Mounting position  Monual override  Mo	Nominal size	7.8 mm
Mounting position Manual override Manual override Mounting position Mone  Direct Direc	Exhaust-air function	With flow control option
Manual override  Type of piloting  Direct  Don-reversible  Don-reversi	Sealing principle	Soft
Direct Pilot air supply Internal Plow direction Non-reversible Symbol O0995851  ap Underlap Pilot pressure O.25 MPa 1 MPa Pilot pressure 1.5 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 2 (ATEX) Zone 2 (ATEX) Poperating medium Compressed air to ISO 8573-1:2010 [7:4:4] Underlap Und	Mounting position	optional
Internal Flow direction  Non-reversible Symbol  O0995851  Ap  Underlap Pilot pressure  O.25 MPA 1 MPA Pilot pressure  2.5 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) 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  ABS (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 00995851  ap 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 22 (ATEX)  Zone 22 (ATEX)  Con 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  CABS (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
Departing medium  Note on operating and pilot medium  Corrosion resistance class CRC  ABS (PWIS) conformity  VDMA24364-B1/B2-L  Cleanroom class  Underlap  Underlap  0.25 MPa 1 MPa  2.5 bar 10 bar  45 ms  2.5 bar 10 bar  45 ms  12 ms  12 ms  12 ms  12 ms  12 ms  14 minormation in the certificate must be observed!  20ne 2 (ATEX)  20ne 2 (ATEX)  20ne 22 (ATEX)  20ne 22 (ATEX)  20ne 22 (ATEX)  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  Media temperature  -10 °C 60 °C	Pilot air supply	Internal
Underlap  O.25 MPa 1 MPa  Pilot pressure  O.25 MPa 1 MPa  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 21 (ATEX)  Zone 21 (ATEX)  Zone 22 (ATEX)  Deparating 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  ABS (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  O.25 MPa 1 MPa  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 21 (ATEX) Zone 22 (ATEX)  Deparating 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  ABS (PWIS) conformity  VDMA24364-B1/B2-L  Cleanroom class  Class 6 according to ISO 14644-1  Media temperature  -10 °C 60 °C	Symbol	00995851
2.5 bar 10 bar  45 ms  Explosion protection  Explosion protection  Departing 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  ABS (PWIS) conformity  VDMA24364-B1/B2-L  Cleanroom class  Class 6 according to ISO 14644-1  Media temperature  2.5 bar 10 bar  45 ms  2.5 bar 10 bar  45 ms  Campressure  12 ms  The information in the certificate must be observed!  Zone 1 (ATEX)  Zone 2 (ATEX)  Zone 2 (ATEX)  Zone 22 (ATEX)  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  ABS (PWIS) conformity  Class 6 according to ISO 14644-1  Cleanroom class  Media temperature  -10 °C 60 °C	lap	Underlap
Switching time off  Switching time on  12 ms  The information in the certificate must be observed!  Zone 1 (ATEX)  Zone 2 (ATEX)  Zone 22 (ATEX)  Zone 22 (ATEX)  Zone 22 (ATEX)  ADperating 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  ABS (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
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]  Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  2 - Moderate corrosion stress  ABS (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
The information in the certificate must be observed!  Zone 1 (ATEX)  Zone 2 (ATEX)  Zone 21 (ATEX)  Zone 22 (ATEX)  Zone 22 (ATEX)  Departing 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  ABS (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)  Deparating 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  ABS (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
Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  2 - Moderate corrosion stress  ABS (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)  2 - Moderate corrosion stress  ABS (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]
ABS (PWIS) conformity  VDMA24364-B1/B2-L  Cleanroom class  Class 6 according to ISO 14644-1  Wedia temperature  -10 °C 60 °C	Note on operating and pilot medium	, , , , , , , , , , , , , , , , , , , ,
Cleanroom class  Class 6 according to ISO 14644-1  Media temperature  -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	533 g
Type of mounting	Either: On manifold rail With through-hole
Breather connection	Not ducted
Pilot air port 10	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	РОМ
Material screws	Galvanised steel