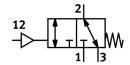
## Pneumatic valve VUWS-L30-M32C-M-G38

**FESTO** 

Part number: 575578





## **Data sheet**

General operating condition

ype of actuation  Pineumatic  Alave size  31 mm  (alive size  3200 l/min  mematic working port  G3/8  Apperating pressure  -0.09 MPa 1 MPa  -0.9 perating pressure  -0.9 perating pressure  -0.9 bar 10 bar  Piston gate valve  ype of reset  Mechanical spring  (but us - Recognized (OL)  Admial size  -0.4 mm  With flow control option  domainal size  -0.4 mm  Annual override  None  Annual override  None  ype of piloting  Internal  Annual override  None  ype of piloting  Internal  Annual override  None  ype of piloting  Overlap	Feature	Value
Salve size 31 mm  Standard nominal flow rate 2300 l/min  meumatic working port 63/8  Operating pressure -0.09 MPa 1 MPa  Operating pressure -0.99 bar 10 bar  Design Piston gate valve  Mechanical spring  Supproval CLL us - Recognized (OL)  Sominal size 9.4 mm  Schaust-air function With flow control option  Sealing principle Soft  Anounting position optional  Annual override None  Sype of piloting Direct  Internal  Sito direction Reversible  Symbol 09991381  Jap Overlap  Overlap  Overlap  Overlap  Overlap  Oito pressure 0.25 MPa 1 MPa  Switching time on 16 ms  Sixplosion protection The information in the certificate must be observed!  Zone 1 (ATEX)  Zone 2 (ATEX)  Zone 2 (ATEX)  Zone 22 (ATEX)  Zone 21 (ATEX)  Zone 22 (ATEX)  Zone 23 (ATEX)  Zone 22 (ATEX)  Zone 23 (ATEX)  Zone 22 (ATEX)  Zone 23 (ATEX)  Zone 25 (ATEX)  Zone 25 (ATEX)  Zone 25 (ATEX)  Zone 25 (ATEX)  Zone 26 (ATEX)  Zone 27 (ATEX)  Zone 27 (ATEX)  Zone 27 (ATEX)  Zone 27 (ATEX)  Zone 28 (ATEX)  Zone 28 (ATEX)  Zone 29 (ATEX)  Zone 20 (ATEX)  Zone 20 (ATEX)  Zone 21 (ATEX)  Zone 22 (ATEX)  Zone 23 (ATEX)  Zone 24 (ATEX)  Zone 25 (ATEX)  Zone 25 (ATEX)  Zone 25 (ATEX)  Zone 26 (ATEX)  Zone 27 (ATEX)  Zone 27 (ATEX)  Zone 28 (ATEX)  Zone 28 (ATEX)  Zone 29 (ATEX)  Zone 20 (ATEX)  Zone 20 (ATEX)  Zone 20 (ATEX)  Zone 20 (ATEX)  Zone 21 (ATEX)  Zone 22 (ATEX)  Zone 23 (ATEX)  Zone 24 (ATEX)  Zone 25 (ATEX)  Zone 25 (ATEX)  Zone 26 (ATEX)  Zone 27 (ATEX)  Zone 27 (ATEX)  Zone 28 (ATEX)  Zone 28 (ATEX)  Zone 29 (ATEX)  Zone 20 (ATEX)  Zone	Valve function	3/2-way, closed, monostable
Attandard nominal flow rate  2300 L/min  2300 L/min  2300 L/min  2300 L/min  2308  2009 MPa 1 MPa  2009 MPa 1 MPa  2009 MPa 1 Dear  2009 MPa 1 MPa  2009 MPa 1 Dear  2009 MPa 1 Dear  2009 MPa 1 MPa  2009 MPa 1 Dear  2009 MPa 1 Dear  2009 MPa 1 MPa  2009 MPa	Type of actuation	Pneumatic
Apperating pressure  -0.09 MPa 1 MPa -0.9 bar 1 Do bar -0.	Valve size	31 mm
Operating pressure Operating medium Operating pressure Operating medium Operating pressure Operating pressure Operating medium Operating pressure Operating medium Operating pressure Operating medium Operating pressure Operating medium Operating medium Operating medium Operating pressure Operating medium Operating medium Operating medium Operating medium Operating pressure Operating medium Operating and pilot medium Operating medium operating and pilot medium Operating resistance Operating resistance Operating resistance Operating supplication test with severity level 2 to FN 942017-5 and EN 60068-2-27 operation resistance Operating supplication test with severity level 2 to FN 942017-5 and EN 60068-2-27 operation resistance Operating resistance Operating resistance Operating resistance Operating supplication test with severity level 2 to FN 942017-5 and EN 60068-2-27 operation resistance Operating resistance Operating supplication resist	Standard nominal flow rate	2300 l/min
Departing pressure Design Piston gate valve Piston gate valve Piston gate valve  Mechanical spring Cult us - Recognized (OL)  Journal size  Soft  Journal size  Soft  Journal sown of the search of th	pneumatic working port	G3/8
Piston gate valve  (ype of reset	Operating pressure	-0.09 MPa 1 MPa
Mechanical spring Approval  C UL us - Recognized (OL)  Adminal size  9.4 mm  With flow control option  Sealing principle  Soft  Anounting position  Annual override  Plot air supply  Internal  Reversible  Overlap  Overlap  Photo pressure  Overlap  Photo pressure  Overlap  Switching time on  16 ms  Explosion protection  The information in the certificate must be observed!  Zone 2 (ATEX)  Zone 2	Operating pressure	-0.9 bar 10 bar
Approval c UL us - Recognized (OL)  Alominal size 9.4 mm  With flow control option  Sealing principle Soft  Adounting position  Adounting position  Annual override None  Pype of piloting Direct  Pilot air supply Internal  Pilot widirection Reversible  Power ap Overlap  Pilot pressure 0.25 MPa 1 MPa  Piloting time off  Sexplosion protection  The information in the certificate must be observed!  Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX)  Power and EN Sexplosion resistance  Pilotation resistance  Shock resistance  Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27  Entrosion resistance Class CRC  Vith flow control option  With flow control option  With flow control option  With flow control option  With flow control option  Optional  With flow control option  Optional  With flow control option  With flow control option  Optional  None  Optional	Design	Piston gate valve
Adminal size Schaust-air function With flow control option Sealing principle Soft Adounting position Admual override None Spe of piloting Direct Silot air supply Internal Silot of pressure Silot pressure Outer flow flow flow flow flow flow flow flow	Type of reset	Mechanical spring
Exhaust-air function  With flow control option  Sealing principle  Advancting position  Annual override  None  Speed of piloting  Direct  Internal  Reversible  Symbol  Overlap  Overlap  Pilot pressure  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)  Deparating medium  Lubricated operation possible (in which case lubricated operation will always be required)  Filotation resistance  Shock resistance  Shock resistance  Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27  Zorosion resistance class CRC  2 - Moderate corrosion stress	Approval	c UL us - Recognized (OL)
Soft Mounting position Manual override Mounting position Manual override Mounting position Mone  Sype of piloting Direct Pilot air supply Internal  Reversible Symbol Oo991381  Application pressure O.25 MPa 1 MPa Pilot pressure O.25 MPa 1 MPa Pilot pressure O.25 MPa 1 MPa Pilot pressure Oitching time off Oitching time on Oitching time on 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) Fibration resistance Shock 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	Nominal size	9.4 mm
Adounting position  Adoual override  Direct  Internal  Reversible  Oversible  Overlap  Overlap  Overlap  Adout pressure  O.25 MPa 1 MPa  Adout pressure  2.5 bar 10 bar  Adout pressure  Ado	Exhaust-air function	With flow control option
Manual override Michael Direct Michael Direc	Sealing principle	Soft
Direct Internal Inter	Mounting position	optional
Internal Reversible Symbol O0991381 O25 MPa 1 MPa Pilot pressure O.25 MPa 1 MPa Pilot pressure O.25 MPa 1 MPa Pilot pressure O.25 MPa 1 MPa Switching time off Owitching time on Oxide the certificate must be observed! Compressed air to ISO 8573-1:2010 [7:4:4] Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Departing medium Compressed air to ISO 8573-1:2010 [7:4:4] Compressed air	Manual override	None
Reversible Symbol Operating time off Symbol Operating medium Operating medium Operating and pilot medium Operating and pilot medium Operating resistance Shock resistance Shock resistance Operating service Shock resistance Operating neck of the service of the se	Type of piloting	Direct
oymbol  ap  Overlap  Overlap  Dilot pressure  O.25 MPa 1 MPa  2.5 bar 10 bar  73 ms  Switching time off  The information in the certificate must be observed!  Zone 1 (ATEX)  Zone 2 (ATEX)  Zone 2 (ATEX)  Zone 2 (ATEX)  Zone 2 (ATEX)  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Oute on operating and pilot medium  Lubricated operation possible (in which case lubricated operation will always be required)  Fransport 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	Pilot air supply	Internal
Overlap  Overlap  Oliot pressure  O.25 MPa 1 MPa  Oliot pressure  2.5 bar 10 bar  73 ms  Overlap  Overlap  Overlap  Oliot pressure  O.25 MPa 1 MPa  Overlap  Overl	Flow direction	Reversible
Pilot pressure  0.25 MPa 1 MPa  2.5 bar 10 bar  73 ms  Exitching time on  16 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)  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	Symbol	00991381
2.5 bar 10 bar  73 ms  Switching time on  16 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]  Autore on operating and pilot medium  Lubricated operation possible (in which case lubricated operation will always be required)  Aibration 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  2 - Moderate corrosion stress	lap	Overlap
Switching time off  73 ms  16 ms  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)  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Lubricated operation possible (in which case lubricated operation will always be required)  //ibration 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  2 - Moderate corrosion stress	Pilot pressure	0.25 MPa 1 MPa
Switching time on 16 ms  The information in the certificate must be observed!  Zone 1 (ATEX)  Zone 2 (ATEX)  Zone 21 (ATEX)  Zone 22 (ATEX)  Zone 22 (ATEX)  Zone 22 (ATEX)  Alote on operating and pilot medium  Lubricated operation possible (in which case lubricated operation will always be required)  Alote on operating and pilot medium  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  2 - Moderate corrosion stress	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 23 (ATEX) Zone 24 (ATEX) Zone 26 (ATEX) Zone 26 (ATEX) Zone 27 (ATEX) Zone 27 (ATEX) Zone 28 (ATEX) Zone 29 (ATEX) Zone 20 (ATEX) Zone 21 (ATEX) Zone 20 (ATEX) Zone 20 (ATEX) Zone 20 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)	Switching time off	73 ms
Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)  Poperating medium  Compressed air to ISO 8573-1:2010 [7:4:4] Lubricated operation possible (in which case lubricated operation will always be required)  Fibration 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  2 - Moderate corrosion stress	Switching time on	16 ms
Lubricated operation possible (in which case lubricated operation will always be required)  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  2 - Moderate corrosion stress	Explosion protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
always be required)  /ibration 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	Operating medium	<u> </u>
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	Note on operating and pilot medium	
Corrosion resistance class CRC 2 - Moderate corrosion stress	Vibration resistance	
	Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
ABS (PWIS) conformity VDMA24364-B1/B2-L	Corrosion resistance class CRC	2 - Moderate corrosion stress
	LABS (PWIS) conformity	VDMA24364-B1/B2-L

Feature	Value
Media temperature	-10 °C 60 °C
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-10 °C 60 °C
Product weight	394 g
Type of mounting	Either: On manifold rail With through-hole
Breather connection	Not ducted
Pilot air port 12	G1/8
Pneumatic connection, port 1	G3/8
Pneumatic connection, port 2	G3/8
Pneumatic connection, port 3	G3/8
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