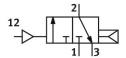
## Pneumatic valve VUWS-L25-M32C-A-N14

**FESTO** 

Part number: 575546





## **Data sheet**

Type of actuation Pneumatic  Valve size 26.5 mm  Standard nominal flow rate (standardised to DIN 1343) 1000 l/min  pneumatic working port 1/4 NPT  Operating pressure 0.25 MPa1 MPa 2.5 bar10 bar  Design Piston gate valve  Type of reset Pneumatic spring  Approval c.U. us - Recognized (OL)  Nominal size 6.3 mm  Exhaust-air function With flow control option  Sealing principle Soft Optional  Manual override None  Type of piloting Direct  Pilot air supply Internal  Pilot air supply Internal  Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar  Switching time off 25 ms  Switching time of 10 ms  Explosion protection The information in the certificate must be observed!  Zone 2 (ATEX) Z	Feature	Value
Valve size  26.5 mm  Standard nominal flow rate (standardised to DIN 1343)  1000 l/min  11/4 NPT  Operating pressure  2.5 bar10 bar  Design  Piston gate valve  Pneumatic spring  Approval  Approval  Approval  CL LL s- Recognized (OL)  Nominal size  Exhaust-air function  With flow control option  Sealing principle  Soft  Mounting position  Mounting position  Mounting position  Mone  Type of piloting  Direct  Pilot air supply  Internal  Flow direction  Non-reversible  Iap  Overlap  Pilot pressure  0.25 MPa1 MPa 2.5 bar10 bar  Switching time on  Explosion protection  The information in the certificate must be observed!  Zone 2 (ATEX)  Zone 22 (ATEX)  Zone 22 (ATEX)  Zone 22 (ATEX)  Zone 21 (ATEX)  Zone 2	Valve function	3/2-way, closed, monostable
Standard nominal flow rate (standardised to DIN 1343)  pneumatic working port  1/4 NPT  Operating pressure  0.25 MPa 1 MPa 2.5 bar10 bar  Piston gate valve  Type of reset  Approval  Approval  Cut. us - Recognized (OL)  Nominal size  6.3 mm  Exhaust-air function  With flow control option  Sealing principle  Soft  Mounting position  Manual override  None  Type of piloting  Pilot air supply  Internal  Flow direction  Non-reversible  Jap  Overlap  Pilot pressure  0.25 MPa 1 MPa 2.5 bar 10 bar  Switching time off  25 ms  Switching time on  Explosion protection  The information in the certificate must be observed!  Zone 2 (ATEX) Zone 22 (ATEX)  Note on operating and pilot medium  Vibration resistance  Tansport application test with severity level 2 to FN 942017-4 and EN 60068-2-6  Tansport application test with severity level 2 to FN 942017-4 and EN 60068-2-6  Tansport application test with severity level 2 to FN 942017-4 and EN 60068-2-6  Tansport application test with severity level 2 to FN 942017-4 and EN 60068-2-6	Type of actuation	Pneumatic
pneumatic working port  Operating pressure  O.25 MPa1 MPa 2.5 bar10 bar  Piston gate valve  Type of reset  Approval  Approval  Cut us - Recognized (OL)  Nominal size  Chasust-air function  With flow control option  Sealing principle  Soft  Mounting position  Mounting position  Mounting position  Manual override  None  Type of piloting  Pilot air supply  Internal  Flow direction  Non-reversible  lap  Overlap  Pilot pressure  2.5 bar10 bar  Switching time off  25 ms  Switching time on  Explosion protection  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium  Vibration resistance  Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6  Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6	Valve size	26.5 mm
Operating pressure  Operat	Standard nominal flow rate (standardised to DIN 1343)	1000 l/min
2.5 bar10 bar  Design Piston gate valve  Type of reset Pneumatic spring  Approval c UL us - Recognized (OL)  Nominal size 6.3 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  lap Overlap  Pilot pressure 2.5 bar10 bar  Switching time off 25 ms  Switching time on  Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Operating medium  Note on operating and pilot medium  Vibration resistance  Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6	pneumatic working port	1/4 NPT
Type of reset  Approval  C UL us - Recognized (OL)  Nominal size  6.3 mm  Exhaust-air function  With flow control option  Sealing principle  Soft  Mounting position  Manual override  None  Type of piloting  Pilot air supply  Internal  Flow direction  Non-reversible  lap  Overlap  Pilot pressure  0.25 MPa1 MPa 2.5 bar10 bar  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)  Zone 22 (ATEX)  Operating medium  Note on operating and pilot medium  Vibration resistance  Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6	Operating pressure	
Approval c UL us - Recognized (OL)  Nominal size 6.3 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  Jap Overlap  Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar  Switching time off 25 ms  Explosion protection The information in the certificate must be observed!  Zone 1 (ATEX)  Zone 2 (ATEX)  Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium Lubricated operation will always be required)  Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6	Design	Piston gate valve
Nominal size  Exhaust-air function  With flow control option  Sealing principle  Soft  Mounting position  Manual override  None  Type of piloting  Pilot air supply  Internal  I	Type of reset	Pneumatic spring
Exhaust-air function  Sealing principle  Soft  Mounting position  Manual override  Type of piloting  Pilot air supply  Flow direction  Non-reversible  lap  Overlap  Pilot pressure  0.25 MPa1 MPa 2.5 bar10 bar  Switching time off  Switching time on  Explosion protection  Explosion protection  Operating medium  Operating medium  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  With flow control option  Soft  Soft  With flow control option  Soft  Soft  With flow control option  Soft  Soft  Optional  None  None  Non-reversible  Non-reversible  Overlap  Overlap  Overlap  1.25 MPa1 MPa 2.5 bar10 bar  2.5 bar10 bar  Switching time off  25 ms  Switching time on  10 ms  Explosion protection  The information in the certificate must be observed!  Zone 1 (ATEX) Zone 2 (ATEX)  Tone perating 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	Approval	c UL us - Recognized (OL)
Sealing principle Soft  Mounting position Optional Manual override None Type of piloting Direct Pilot air supply Internal Flow direction Non-reversible Iap Overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar Switching time off 25 ms 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) Zone 22 (ATEX) Vereau 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	Nominal size	6.3 mm
Mounting position  Manual override  None Type of piloting Pilot air supply Internal Flow direction  Non-reversible lap Overlap Pilot pressure  0.25 MPa1 MPa 2.5 bar10 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 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	Exhaust-air function	With flow control option
Manual override Type of piloting Direct Pilot air supply Internal Flow direction Non-reversible lap Overlap Pilot pressure O.25 MPa1 MPa 2.5 bar10 bar Switching time off 25 ms Switching time on Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Cone pressed 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	Sealing principle	Soft
Type of piloting  Direct  Internal  Flow direction  Non-reversible  Iap  Overlap  Pilot pressure  O.25 MPa1 MPa 2.5 bar10 bar  Switching time off  25 ms  Switching time on  Explosion protection  The information in the certificate must be observed! Zone 1 (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	Mounting position	optional
Pilot air supply  Internal  Non-reversible  Overlap  Overlap  Pilot pressure  O.25 MPa1 MPa 2.5 bar10 bar  Switching time off  25 ms  Switching time on  In 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)  Vibration resistance  Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6	Manual override	None
Flow direction  Non-reversible  Overlap  Overlap  0.25 MPa1 MPa 2.5 bar10 bar  Switching time off  25 ms  Switching time on  10 ms  Explosion protection  The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (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	Type of piloting	Direct
Overlap  Pilot pressure  0.25 MPa1 MPa 2.5 bar10 bar  Switching time off  25 ms  Switching time on  10 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	Pilot air supply	Internal
Pilot pressure  0.25 MPa1 MPa 2.5 bar10 bar  25 ms  Switching time on  10 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	Flow direction	Non-reversible
2.5 bar10 bar  Switching time off  25 ms  Switching time on  10 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)  Vibration resistance  Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6	lap	Overlap
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)  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	Pilot pressure	
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	Switching time off	25 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]  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	Switching time on	10 ms
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	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	Operating medium	
60068-2-6	Note on operating and pilot medium	
Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27	Vibration resistance	
	Shock resistance	Shock test with severity level 2 to 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
Cleanroom class	Class 6 according to ISO 14644-1
Media temperature	-10 °C60 °C
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-10 °C60 °C
Product weight	268 g
Type of mounting	On manifold rail With through-hole Either:
Breather connection	Not ducted
Pilot air port 12	10-32 UNF-2B
Pneumatic connection, port 1	1/4 NPT
Pneumatic connection, port 2	1/4 NPT
Pneumatic connection, port 3	1/4 NPT
Note on materials	RoHS-compliant
Material seals	HNBR NBR
Material housing	Die-cast aluminium Painted
Material piston slide	Wrought aluminium alloy
Material screws	Galvanised steel