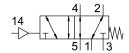
## Pneumatic valve VUWS-L25-M52-M-G14

Part number: 575515







## **Data sheet**

	Feature	Value
Valve size  Standard nominal flow rate  pneumatic working port  Operating pressure  -0.09 MPa1 MPa -0.9 bar10 bar  Design  Piston gate valve  Type of reset  Mechanical spring  Approval  C UL us - Recognized (OL)  Nominal size  Exhaust-air function  Sealing principle  Mounting position  Mounting position  Mounting position  Monanual override  Type of piloting  Pilot air supply  Internal  Flow direction  Reversible  Iap  Positive overlap  Pilot pressure  -0.25 MPa1 MPa -2.5 bar10 bar  Switching time off  42 ms  Switching time on  Explosion protection  The information in the certificate must be observed!  Zone 1 (ATEX) Zone 2 (AT	Valve function	5/2-way, monostable
Standard nominal flow rate pneumatic working port  Operating pressure  O.09 MPa1 MPa O.9 bar10 bar  Piston gate valve Type of reset  Approval  Approval  Cul. us - Recognized (OL)  Nominal size  6.9 mm  Exhaust-air function  With flow control option  Sealing principle  Mounting position  Mounting position  Mounting position  Mounting politoring  Pilot air supply  Internal  Flow direction  Reversible  Iap  Positive overlap  Pilot pressure  O.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 22 (ATEX) Zone 23 (ATEX) Zone 24 (ATEX) Zone 24 (ATEX) Zone 25 (ATEX) Zone 26 (ATEX) Zone 26 (ATEX) Zone 26 (ATEX) Zone 26 (ATEX) Zone 27 (ATEX) Zone 27 (ATEX) Zone 28 (ATEX) Zone 28 (ATEX) Zone 29 (ATEX) Zone 20 (A	Type of actuation	Pneumatic
pneumatic working port  Operating pressure  -0.09 MPa1 MPa -0.9 bar10 bar  Piston gate valve  Type of reset  Approval  Nominal size  Exhaust-air function  Sealing principle  Mounting position  Manual override  Type of piloting  Pilot air supply  Internal  Ilow direction  Reversible  Iap  Positive overlap  Pilot pressure  -0.9 MPa1 MPa -0.9 bar10 bar  Switching time off  42 ms  Switching time on  Explosion protection  Explosion protection  The information in the certificate must be observed!  Zone 2 (ATEX)	Valve size	26.5 mm
Operating pressure  -0.09 MPa1 MPa -0.9 bar10 bar  Piston gate valve  Type of reset  Approval  Approval  Cull us - Recognized (OL)  Nominal size  Exhaust-air function  With flow control option  Sealing principle  Soft  Mounting position  Mounting position  Annual override  Type of piloting  Pilot air supply  Internal  Flow direction  Reversible  lap  Positive overlap  Pilot pressure  0.25 MPa1 MPa 2.5 bar10 bar  Switching time off  Explosion protection  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) Zone perating and pilot medium  Lubricated operation possible (in which case lubricated operation)	Standard nominal flow rate	1300 l/min
Design  Piston gate valve  Type of reset  Mechanical spring  Approval  C UL us - Recognized (OL)  Nominal size  Exhaust-air function  With flow control option  Sealing principle  Soft  Mounting position  Manual override  Type of piloting  Pilot air supply  Internal  Flow direction  Reversible  lap  Positive overlap  Pilot pressure  0.25 MPa1 MPa 2.5 bar10 bar  Switching time off  42 ms  Switching time on  Explosion protection  Explosion protection  The information in the certificate must be observed!  Zone 1 (ATEX)  Zone 22 (ATEX)  Zone 21 (ATEX)  Zone 21 (ATEX)  Zone 21 (TEX)  Zone 21 (TEX)  Zone 21 (TEX)  Zone 21 (TEX)  Zone 22 (ATEX)  Zone 21 (TEX)  Zone 21 (TEX)  Zone 21 (TEX)  Zone 22 (ATEX)	pneumatic working port	G1/4
Type of reset  Approval  Approval  C UL us - Recognized (OL)  Nominal size  Exhaust-air function  With flow control option  Sealing principle  Soft  Mounting position  Manual override  Type of piloting  Pilot air supply  Internal  Flow direction  Reversible  Iap  Positive overlap  Pilot pressure  O .25 MPa1 MPa 2.5 bar10 bar  Switching time off  42 ms  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)  Coperating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium	Operating pressure	
Approval c UL us - Recognized (OL)  Nominal size 6.9 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  lap Positive overlap  Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar  Switching time off 42 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 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 of the second possible (in which case lubricated operation of the second possible (in which case lubricated operation of the control operation operation of the control operation operation operation operation of the control operation	Design	Piston gate valve
Nominal size  Exhaust-air function  With flow control option  Sealing principle  Soft  Mounting position  Manual override  Type of piloting  Pilot air supply  Internal  Flow direction  Reversible  Iap  Positive overlap  Pilot pressure  0.25 MPa1 MPa 2.5 bar10 bar  Switching time off  42 ms  Switching time on  Explosion protection  The information in the certificate must be observed!  Zone 1 (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	Type of reset	Mechanical spring
Exhaust-air function  Sealing principle  Soft  Mounting position  Manual override  Type of piloting  Pilot air supply  Internal  Flow direction  Reversible  Iap  Positive overlap  Pilot pressure  0.25 MPa1 MPa 2.5 bar10 bar  Switching time off  42 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  Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium  With flow control option  With flow control option  Soft  Soft  Annual flow control option  Soft  None  Pilot pressure  0.25 MPa1 MPa 2.5 bar10 bar  10 ms  Explosion protection  The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (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 of the case in the case	Approval	c UL us - Recognized (OL)
Sealing principle  Mounting position  Manual override  Type of piloting  Pilot air supply  Flow direction  Iap  Positive overlap  Pilot pressure  O.25 MPa1 MPa 2.5 bar10 bar  Switching time off  42 ms  Switching time on  Explosion protection  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  Note on operating and pilot medium	Nominal size	6.9 mm
Mounting position  Manual override  None  Type of piloting  Direct  Pilot air supply  Internal  Reversible  lap  Positive overlap  Pilot pressure  0.25 MPa1 MPa 2.5 bar10 bar  Switching time off  42 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  Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operation of the case in the case	Exhaust-air function	With flow control option
Manual override Type of piloting Direct Pilot air supply Internal Flow direction Reversible Positive overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar  Switching time off 42 ms Switching time on Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (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 of the control of the case lubricated operation of the case lubric	Sealing principle	Soft
Type of piloting  Pilot air supply  Internal  Reversible  lap  Positive overlap  Pilot pressure  0.25 MPa1 MPa 2.5 bar10 bar  Switching time off  42 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  Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium  Direct  Direct  Internal  Positive overlap  0.25 MPa1 MPa 2.5 bar10 bar  10 ms  Explosion protection  The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (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 of the case in the	Mounting position	optional
Pilot air supply Flow direction Reversible  lap Positive overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar  Switching time off 42 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 of the certificate operation of the certificate must be observed! Zone 1 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Lubricated operation possible (in which case lubricated operation of the certificate must be observed! Zone 21 (ATEX) Zone 22 (ATEX) Lubricated operation possible (in which case lubricated operation of the certificate must be observed! Zone 21 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Lubricated operation possible (in which case lubricated operation of the certificate must be observed! 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 27 (ATEX) Zone 28 (ATEX) Zone 29 (ATEX) Zone 29 (ATEX) Zone 20 (ATEX) Zone 20 (ATEX) Zone 20 (ATEX)	Manual override	None
Flow direction  Reversible  lap  Positive overlap  0.25 MPa1 MPa 2.5 bar10 bar  Switching time off  42 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 of the certificate must be observed!  Lubricated operation possible (in which case lubricated operation of the certificate must be observed!  Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)  Lubricated operation possible (in which case lubricated operation of the certificate must be observed!  Lubricated operation possible (in which case lubricated operation of the certificate must be observed!  Lubricated operation possible (in which case lubricated operation of the certificate must be observed!  Lubricated operation possible (in which case lubricated operation of the certificate must be observed!  Lubricated operation possible (in which case lubricated operation of the certificate must be observed!  Lubricated operation possible (in which case lubricated operation of the certificate must be observed!  Lubricated operation possible (in which case lubricated operation of the certificate must be observed!  Lubricated operation possible (in which case lubricated operation of the certificate must be observed!	Type of piloting	Direct
lap Positive overlap  Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar  Switching time off 42 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 of the certificate must be observed!  Lubricated operation possible (in which case lubricated operation of the certificate must be observed! Zone 1 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX)	Pilot air supply	Internal
Pilot pressure  0.25 MPa1 MPa 2.5 bar10 bar  Switching time off  42 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 of the case in	Flow direction	Reversible
2.5 bar10 bar  Switching time off  42 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 of the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX)	lap	Positive overlap
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 of the certificate must be observed!  Zone 1 (ATEX)  Zone 2 (ATEX)  Lubricated operation possible (in which case lubricated operation of the certificate must be observed!  Zone 1 (ATEX)  Zone 22 (ATEX)	Pilot pressure	
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 of the certificate must be observed!  Zone 1 (ATEX)  Zone 22 (ATEX)	Switching time off	42 ms
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 of the case lubricated operation o	Switching time on	10 ms
Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operation value)		Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX)
	-	
always be required)	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 60068-2-6	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 60068-2-2	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
Media temperature	-10 °C60 °C
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-10 °C60 °C
Product weight	330 g
Type of mounting	Either: On manifold rail With through-hole
Breather connection	Not ducted
Pilot air port 14	M5
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	G1/4
Pneumatic connection, port 4	G1/4
Pneumatic connection, port 5	G1/4
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