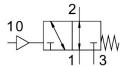
Pneumatic valve VUWS-L30-M32U-M-N38

FESTO

Part number: 575644





Data sheet

Type of actuation Pneumatic Standard nominal flow rate (standardised to DIN 1343) 2300 I/min pneumatic working port 3/8 NPT Operating pressure -0.09 MPa1 MPa -0.9 bar10 bar Design Piston gate valve Type of reset Approval CUL us - Recognized (OL) Nominal size Sealing principle Soft Mounting position Mounting position Mounting position Manual override None Type of piloting Direct Pilot air supply Internal Flow direction Reversible lap 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 2 (ATEX) Zone 22 (ATEX) Compressed ir usit severity level 2 to FN 942017-4 and EN 60068-2-6 Vibration resistance Trapport application test with severity level 2 to FN 942017-4 and EN 60068-2-6	Feature	Value
Valve size Standard nominal flow rate (standardised to DIN 1343) 2300 l/min 378 NPT Operating pressure Operating pressure Operating pressure Piston gate valve Type of reset Mechanical spring Soft Mounting position Mounting positi	Valve function	3/2 open, single solenoid
Standard nominal flow rate (standardised to DIN 1343) 2300 I/min pneumatic working port 3/8 NPT Operating pressure -0.9 bar10 bar Design Piston gate valve Type of reset Approval Approval Cul. us - Recognized (OL) Nominal size Sexhaust-air function With flow control option Sealing principle Soft Mounting position Manual override None Type of piloting Pilot air supply Internal Flow direction Reversible Jap Overlap Pilot pressure 0.25 MPa1 MPa -2.5 bar10 bar Switching time off T3 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) Zone 22 (ATEX) Transport 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 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 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 -0.09 MPa1 MPa -0.9 bar10 bar Operating pressure -0.09 MPa1 MPa -0.9 bar10 bar Piston gate valve Type of reset Mechanical spring Approval c UL us - Recognized (OL) Nominal size 9.4 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 Flow direction Reversible Iap Overlap Pilot pressure -0.25 MPa1 MPa -2.5 bar10 bar Switching time off 73 ms Switching time on Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) 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	31 mm
Operating pressure -0.09 MPa1 MPa -0.9 bar10 bar Piston gate valve Mechanical spring Approval Cul. us - Recognized (OL) Nominal size 9.4 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Mounting position Monual override None Type of piloting Pilot air supply Internal Flow direction 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) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6	Standard nominal flow rate (standardised to DIN 1343)	2300 l/min
Design Piston gate valve Type of reset Mechanical spring Approval c UL us - Recognized (OL) Nominal size 9.4 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 Plow direction Reversible Jupe Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar Switching time off 73 ms Switching time on 16 ms Explosion protection Explosion protection 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	pneumatic working port	3/8 NPT
Type of reset Approval C UL us - Recognized (OL) Nominal size 9.4 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 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 9.4 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 Reversible Jap Overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar Switching time off 73 ms Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Operating medium 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 Flow direction Reversible Iap Overlap Overlap Pilot pressure 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 2 (ATEX) Zone 2 (ATEX) Cone passible (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 reset	Mechanical spring
Exhaust-air function Sealing principle Soft Mounting position Manual override Type of piloting Pilot air supply Flow direction Reversible Iap 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 and pilot medium With flow control option Soft None Note Note on operating and pilot medium Vibration resistance With flow control option Soft Aptional Internal Reversible None Overlap Overlap Overlap Overlap 1.25 MPa1 MPa 2.5 bar10 bar Sams 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) Zone 22 (ATEX) Tone pressed 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	Approval	c UL us - Recognized (OL)
Sealing principle Soft Mounting position Manual override Type of piloting Pilot air supply Flow direction Reversible lap Overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar Switching time off Type of piloting The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Z	Nominal size	9.4 mm
Mounting position Manual override None Type of piloting Pilot air supply Internal Flow direction Reversible lap Overlap Pilot pressure Overlap 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 Reversible lap Overlap Pilot pressure O.25 MPa1 MPa 2.5 bar10 bar Switching time off 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 practing 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	Sealing principle	Soft
Type of piloting Direct Internal Flow direction Reversible Joverlap Pilot pressure O.25 MPa1 MPa 2.5 bar10 bar Switching time off 73 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 Reversible Overlap Pilot pressure O.25 MPa1 MPa 2.5 bar10 bar Switching time off 73 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) 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 Reversible Overlap Overlap O.25 MPa1 MPa 2.5 bar10 bar Switching time off 73 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 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 73 ms Switching time on 16 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 73 ms Switching time on 16 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	Reversible
2.5 bar10 bar Switching time off 73 ms Switching time on 16 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	73 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	16 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	394 g
Type of mounting	On manifold rail With through-hole Either:
Breather connection	Not ducted
Pilot air port 10	1/8 NPT
Pneumatic connection, port 1	3/8 NPT
Pneumatic connection, port 2	3/8 NPT
Pneumatic connection, port 3	3/8 NPT
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