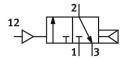
Pneumatic valve VUWS-L30-M32C-A-N38

FESTO

Part number: 575639





Data sheet

Type of actuation Pneumatic Standard nominal flow rate (standardised to DIN 1343) 2300 l/min pneumatic working port 3/8 NPT Operating pressure 0.25 MPa1 MPa 2.5 bar10 bar Design Piston gate valve Type of reset Pneumatic spring Approval c UL us - Recognized (OL) Nominal size 9.4 mm Exhaust-air function With flow control option Sealing principle Soft Optional Manual override None Type of piloting Direct Pilot air supply Internal Pilot gressure 0.25 MPa1 MPa 2.5 bar10 bar Switching time of 0.75 MPa1 MPa 2.5 bar10 bar Switching time on 19 ms Explosion protection The information in the certificate must be observed! Zone 2 (ATEX) Zone 2	Feature	Value
Valve size Standard nominal flow rate (standardised to DIN 1343) 2300 l/min 378 NPT Operating pressure 2.5 bPa1 MPa 2.5 bra10 bar Design Piston gate valve Pneumatic spring Approval Approval Approval Cut us - Recognized (Ot) Nominal size Exhaust-air function With flow control option Sealing principle Soft Mounting position Mounting position Mounting position Mounting position Mounting position More 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 22 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Note on operating and pilot medium Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 First many and provided in the certificate must be with severity level 2 to FN 942017-4 and EN 60068-2-6 First many and provided in the severity level 2 to FN 942017-4 and EN 60068-2-6 First many and position test with severity level 2 to FN 942017-4 and EN 60068-2-6	Valve function	3/2-way, closed, monostable
Standard nominal flow rate (standardised to DIN 1343) 2300 I/min pneumatic working port 3/8 NPT Operating pressure 0.25 MPa 1 MPa 2.5 bar10 bar Piston gate valve Type of reset Approval 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 Direct 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 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) Zone 2 (ATEX) Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Temporation in 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 O.25 MPa1 MPa 2.5 bar10 bar Design Piston gate valve Type of reset Pneumatic 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 Mounting position 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 Switching time on Explosion protection Tone it (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Comperating 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	Valve size	31 mm
Operating pressure Operat	Standard nominal flow rate (standardised to DIN 1343)	2300 l/min
2.5 bar10 bar Design Piston gate valve Type of reset Pneumatic spring Approval c UL us - Recognized (OL) Nominal size SA 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 Iap Overlap Pilot pressure 2.5 bar10 bar Switching time off 36 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 Lubricated operation 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	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 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 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 Flow direction Non-reversible Jap Overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar Switching time off 36 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 Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium With flow control option Soft Optional None None None None Non-reversible Non-reversible Overlap Overlap Overlap Overlap 1.25 MPa1 MPa 2.5 bar10 bar Switching time off 36 ms Switching time on 19 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) 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 Manual override Type of piloting Pilot air supply Flow direction Internal Non-reversible Iap Overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar Switching time off 36 ms Switching time on Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX)	Nominal size	9.4 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 19 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	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 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 Joverlap Pilot pressure O.25 MPa1 MPa 2.5 bar10 bar Switching time off 36 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 0.25 MPa1 MPa 2.5 bar10 bar Switching time off 36 ms Switching time on 19 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] 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 36 ms Switching time on 19 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 36 ms Switching time on 19 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 36 ms Switching time on 19 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 36 ms Switching time on 19 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	36 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	19 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 12	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