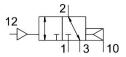
Pneumatic valve VUWS-L20-M32C-E-G18 Part number: 575670

FESTO





Data sheet

Type of actuation Pneumatic Valve size 21 mm Standard nominal flow rate (standardised to DIN 1343) 700 l/min pneumatic working port 61/8 Operating pressure -0.09 MPa1 MPa -0.9 bar10 bar Design Piston gate valve Type of reset Pneumatic spring Approval c. Ul. us - Recognized (OL) Nominal size 5.7 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Manual override None Type of piloting Direct Pilot air supply External Flow direction Reversible lap Overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar Switching time off 15 ms Switching time on 7 ms Explosion protection The information in the certificate must be observed! Zone 2 (ATEX)	Feature	Value
Valve size 21 mm Standard nominal flow rate (standardised to DIN 1343) 700 I/min 700	Valve function	3/2-way, closed, monostable
Standard nominal flow rate (standardised to DIN 1343) Procumatic working port Operating pressure Piston gate valve Procumatic spring Approval C UL us - Recognized (OL) Nominal size S-7 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Manual override None Direct Pilot air supply External Flow direction Reversible Jap Overlap Pilot pressure Operating time off 15 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 Transport 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 Piston gate valve Prope of reset Approval Cultus - Recognized (OL) Nominal size Shaust-air function With flow control option Sealing principle Soft Mounting position Mounting position Mounting position Mounting position Optional Manual override None Pitot air supply External Flow direction Reversible Iap Overlap Pitot pressure -0.25 MPa1 MPa -2.5 bar10 bar Switching time off 15 ms Switching time on Explosion protection The information in the certificate must be observed! 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 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	21 mm
Operating pressure Operating time on Operating pressure Operating medium Operating medium 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 pressure Operating medium Operating pressure Operating p	Standard nominal flow rate (standardised to DIN 1343)	700 l/min
Design Piston gate valve Type of reset Pneumatic spring Approval C UL us - Recognized (OL) Nominal size 5.7 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Manual override None Type of piloting Direct External Flow direction Reversible lap Overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar Switching time off 15 ms Switching time on 7 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	G1/8
Type of reset Approval C UL us - Recognized (OL) Nominal size 5.7 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Manual override Type of piloting Pilot air supply External Flow direction Reversible Jap 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 22 (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	-1-2
Approval c UL us - Recognized (OL) Nominal size 5.7 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Manual override None Type of piloting Direct Pilot air supply External Reversible Iap Overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar Switching time off 15 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 External Flow direction Reversible Iap Overlap Pilot pressure 2.5 bar10 bar Switching time off Switching time on 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) Cone pressed 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	Type of reset	Pneumatic 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 Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium With flow control option Soft Optional None Soft None External Reversible Overlap Overlap Overlap 15 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 22 (ATEX) Zone 22 (ATEX) Tone perating 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	Approval	c UL us - Recognized (OL)
Sealing principle Soft Mounting position Optional Manual override None Type of piloting Direct Pilot air supply External Flow direction Reversible Iap Overlap Pilot pressure O.25 MPa1 MPa 2.5 bar10 bar Switching time off 15 ms Switching time on Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX)	Nominal size	5.7 mm
Mounting position Manual override None Type of piloting Pilot air supply External Flow direction Reversible lap Overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar Switching time off 15 ms 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 External Flow direction Reversible lap Overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar Switching time off The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium 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
Direct External Flow direction Reversible Joverlap Pilot pressure O.25 MPa1 MPa 2.5 bar10 bar Switching time off 15 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 test with severity level 2 to FN 942017-4 and EN 60068-2-6	Mounting position	optional
Pilot air supply External Reversible Overlap Overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar Switching time off 15 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 Ubricated 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 15 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 15 ms 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	Pilot air supply	External
Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar Switching time off 15 ms Switching time on 7 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 15 ms Switching time on 7 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 7 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	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	15 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	7 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	145 g
Type of mounting	On manifold rail With through-hole Either:
Breather connection	Not ducted
Pneumatic connection, port 1	G1/8
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	G1/8
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