Pneumatic valve VUWS-LT25-M32U-M-G14

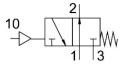
Part number: 8035180



Data sheet

Valve size 26.5 mm Standard nominal flow rate (standardised to DIN 1343) 1000 l/min pneumatic working port G1/4 Operating pressure -0.09 MPa1 MPa -0.9 Jbar10 bar -0.9 Jbar10 bar Design Poppet seat Type of reset Mechanical spring Approval C LL us - Recognized (OL) Nominal size 6.6 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 Underlap Pilot pressure 0.25 MPa1 MPa .25 bar10 bar Switching time off Switching time on 7 ms Explosion protection The information in the certificate must be observed! Zone 21 (ATEX) Zone 21 (ATEX) Operating medium Compressed air to IS0 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lub	Feature	Value
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Standard nominal flow rate (standardised to DIN 1343) 1000 l/min pneumatic working port G1/4 Operating pressure -0.9 MPa1 MPa -0.9 bar10 bar Design Poppet seat Poppet seat Type of reset Mechanical spring Approval c UL us - Recognized (OL) Nominal size 6.6 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 Underlap Pilot pressure 0.25 MPa1 MPa Switching time off 30 ms Switching time on 7 ms Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (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 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 actuation	Pneumatic
pneumatic working port G1/4 Operating pressure -0.09 MPa1 MPa -0.9 bar10 bar Poppet seat Type of reset Mechanical spring Approval c UL us - Recognized (OL) Nominal size 6.6 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Manual override None Type of piloing Direct Pilot air supply Internal Flow direction Non-reversible Iap Undertap Outpersure 0.25 bar10 bar Switching time off 30 ms Switching time on Z ms Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (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	Valve size	26.5 mm
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Design0.9 bar10 barDesignPoppet seatApprovalc UL us - Recognized (OL)Nominal size6.6 mmExhaust-air functionWith flow control optionSealing principleSoftMounting positionoptionalManual overrideNoneType of pilotingDirectPilot air supplyInternalPilot pressure0.25 MPa10 MpaSwitching time off30 msSwitching time on7 msExplosion protectionZome 1 (ATEX) Zome 2 (ATEX)Operating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Vibration resistanceTransport application test with severity level 2 to FN 942017-4 and EN 60068-2-6	pneumatic working port	G1/4
Type of resetMechanical springApprovalc UL us - Recognized (OL)Nominal size6.6 mmExhaust-air functionWith flow control optionSealing principleSoftMouning positionoptionalManual overrideNoneType of pilotingDirectPilot air supplyInternalFlow directionNon-reversibletapUndertapPilot pressure0.25 MPa1 MPa 2.5 bar10 barSwitching time onff30 msSwitching time on7 msExplosion protectionThe information in the certificate must be observed! Zone 2 (ATEX) Zone 21 (ATEX) 	Operating pressure	
Approval c UL us - Recognized (OL) Nominal size 6.6 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 tap Underlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar Soms Switching time off 30 ms Switching time on 7 ms Explosion protection The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX)	Design	Poppet seat
Nominal size6.6 mmExhaust-air functionWith flow control optionSealing principleSoftMounting positionoptionalManual overrideNoneType of pilotingDirectPilot air supplyInternalFlow directionNon-reversibletapUnderlapPilot pressure0.25 MPa1 MPa 2.5 bar10 barSwitching time off30 msSwitching time on7 msExplosion protectionThe information in the certificate must be observed! Zone 1 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air to ISO 8573-1:2010[7:4:4]Note on operating and pilot mediumTansport application test with severity level 2 to FN 942017-4 and EN 60068-2-6	Type of reset	Mechanical spring
Exhaust-air functionWith flow control optionSealing principleSoftMounting positionoptionalManual overrideNoneType of pilotingDirectPilot air supplyInternalFlow directionNon-reversibletapUnderlapPilot pressure0.25 MPa1 MPa 2.5 bar10 barSwitching time off30 msSwitching time on7 msExplosion protectionThe 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 mediumLubricated operation possible (in which case lubricated operation will always be required)Vibration resistanceTransport application test with severity level 2 to FN 942017-4 and EN 60068-2-6	Approval	c UL us - Recognized (OL)
Sealing principleSoftMounting positionoptionalManual overrideNoneType of pilotingDirectPilot air supplyInternalFlow directionNon-reversiblelapUnderlapPilot pressure0.25 MPa1 MPa 2.5 bar10 barSwitching time off30 msSwitching time on7 msExplosion protectionThe information in the certificate must be observed! Zone 1 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumTransport application test with severity level 2 to FN 942017-4 and EN 60068-2-6	Nominal size	6.6 mm
Mounting positionoptionalMounting positionoptionalManual overrideNoneType of pilotingDirectPilot air supplyInternalFlow directionNon-reversiblelapUnderlapPilot pressure0.25 MPa1 MPa 2.5 bar10 barSwitching time off30 msSwitching time on7 msExplosion protectionThe information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Vibration resistanceTransport application test with severity level 2 to FN 942017-4 and EN 60068-2-6	Exhaust-air function	With flow control option
Manual overrideNoneType of pilotingDirectPilot air supplyInternalFlow directionNon-reversiblelapUnderlapPilot pressure0.25 MPa1 MPa 2.5 bar10 barSwitching time off30 msSwitching time on7 msExplosion protectionThe information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX)Operating mediumCompressed air to ISO 8573-1:2010[7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Vibration resistanceTransport application test with severity level 2 to FN 942017-4 and EN 60068-2-6	Sealing principle	Soft
Type of pilotingDirectPilot air supplyInternalFlow directionNon-reversiblelapUnderlapPilot pressure0.25 MPa1 MPa 2.5 bar10 barSwitching time off30 msSwitching time on7 msExplosion protectionThe information in the certificate must be observed! Zone 2 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Vibration resistanceTransport application test with severity level 2 to FN 942017-4 and EN 60068-2-6	Mounting position	optional
Pilot air supplyInternalFlow directionNon-reversiblelapUnderlapPilot pressure0.25 MPa1 MPa 2.5 bar10 barSwitching time off30 msSwitching time on7 msExplosion protectionThe information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Vibration resistanceTransport application test with severity level 2 to FN 942017-4 and EN 60068-2-6	Manual override	None
Flow directionNon-reversiblelapUnderlapPilot pressure0.25 MPa1 MPa 2.5 bar10 barSwitching time off30 msSwitching time on7 msExplosion protectionThe information in the certificate must be observed! Zone 1 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Vibration resistanceTransport application test with severity level 2 to FN 942017-4 and EN 60068-2-6	Type of piloting	Direct
lapUnderlapPilot pressure0.25 MPa1 MPa 2.5 bar10 barSwitching time off30 msSwitching time on7 msExplosion protectionThe information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Vibration resistanceTransport 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 Switching time off 30 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	Flow direction	Non-reversible
2.5 bar10 barSwitching time off30 msSwitching time on7 msExplosion protectionThe information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air to ISO 8573-1:2010[7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Vibration resistanceTransport application test with severity level 2 to FN 942017-4 and EN 60068-2-6	lap	Underlap
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	30 ms
Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Vibration resistanceTransport 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 mediumLubricated operation possible (in which case lubricated operation will always be required)Vibration resistanceTransport 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

FESTO



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	-5 °C60 °C
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C60 °C
Product weight	255 g
Type of mounting	On manifold rail With through-hole Either:
Breather connection	Not ducted
Pilot air port 10	M5
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	G1/4
Note on materials	RoHS-compliant
Material seals	HNBR NBR TPE-U(PU)
Material housing	Die-cast aluminium Painted
Material screws	Galvanised steel