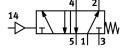
Pneumatic valve VUWS-LT30-M52-M-G38 Part number: 8096576





FESTO

General operating condition

Distriction Preumatic Value size 31 mm Standard nominal flow rate 1000 //min Preumatic working port G3/8 Operating pressure 0.25 MPa 1 MPa Operating pressure 2.5 bar 10 bar Structural design Plate seat Reset method Mechanical spring Certification c UL us - Recognized (0L) Nominal width 8.1 mm Schaud routing Soft Mounting position Any Maual override None Vipo of control Direct Vipo of control Direct Symbol 00991001 Low direction 0.25 MPa 1 MPa Switching time off 22 ms Drawitching time 17 ms Switching time off 22 ms Drawitching medium Compressed air as pr ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 2 - Moderate corrosion stress AMS (MS) conformity VDMA24364.81/82-1 Compressed air as pr ISO 8573-1:20	Feature	Value
Yalve size 31 mm Standard nominal flow rate 1800 l/min Pneumatic working port G3/8 Operating pressure 0.25 MPa1 MPa Operating pressure 2.5 bar 10 bar Structural design Plate seat Reset method Mechanical spring Cartification cl Lu s - Recognized (OL) Nominal width 8.1 mm Schaust air function With flow control option Sealing principle Soft Mounting position Any Manual override None Yape of control Direct Pilot pressure 2.5 bar 10 bar Symbol 00991001 .app Underlap Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure MPa 0.25 MPa 10 bar Switching time off 22 ms Drawitching time 17 ms Diserver the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone	Valve function	5/2, monostable
NumberNumberStandard nominal flow rate100 l/minPneumatic working portG3/8Operating pressure0.25 MPa 10 barStructural designPlate seatReset methodMechanical springCatting functionCUL us - Recognized (0L)Wominal width8.1 mmSchaust air functionWith flow control optionSealing principleSoftMounting positionAnyManual overrideNoneVippe of controlDirectPlot air supply portInternalFlow direction00991001.ap100 l/mainPoint pressure2.5 bar 10 barSwitching time17 msSoft flow direction00991001.apUnderlapPlot pressure MPa0.25 MPa 1 MPaPlot pressure MPa0.25 MPa 10 barSwitching time off22 ms.no switching time17 msStappoint on the certificateCore 1 (ATEX)Core 21 (ATEX)Core 2 (ATEX)Core 21 (ATEX)Core 2 (ATEX)Core 21 (ATEX)Core 2 (ATEX)Core 21 (ATEX)Corrosion resistance class (CRC)2 - Moderate corrosion stressCAPS (WIS) conformityVDMA2364.81/B2-LCorrosion resistance class (CRC)2 - Moderate corrosion stressCarlos (MIS ConformityVDMA24364.81/B2-LCarlos (MIS ConformityCompressed air as per ISO 8573-1:2010[7:4:4]Ambient temperature10 °C 60 °C	Actuation type	Pneumatic
Deneumatic working port G3/8 Operating pressure 0.25 MPa 1 MPa Operating pressure 2.5 bar 10 bar Structural design Plate seat Reset method Mechanical spring Certification C UL us - Recognized (OL) Nominal width 8.1 mm Schaust air function With flow control option Sealing principle Soft Mounting position Any Manual override None Vipe of control Direct Plot air supply port Internal Plot pressure 2.5 MPa 1 MPa Plot pressure MPa 0.25 MPa	Valve size	31 mm
Deperating pressure 0.25 MPa 1 MPa Operating pressure 2.5 bar 1 0 bar Structural design Plate seat Reset method Mechanical spring Certification c UL us - Recognized (OL) Nominal width 8.1 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override None Type of control Direct Plot air supply port Internal Clow direction Non reversible Symbol 0.25 MPa 1 MPa Plot pressure 2.5 bar 10 bar Symbol 0.25 MPa 1 MPa Plot pressure 2.5 bar 10 bar Switching time off 22 ms Dn switching time 17 ms Explosion prevention and protection Observe the information on the certificate Zone 2 (ATEX) Zone 2 (A	Standard nominal flow rate	1800 l/min
Deperating pressure 2.5 bar 10 bar Structural design Plate seat Reset method Mechanical spring Certification c UL us - Recognized (OL) Nominal width 8.1 mm Schwast air function With flow control option Sealing principle Soft Mounting position Any Manual override None Type of control Direct Flot air supply port Internal Flow direction Non-reversible Symbol 00991001 .ap Underlap Pilot pressure MPa 0.25 MPa 10 MPa Pilot pressure 2.5 bar 10 bar Symboline off 22 ms Do switching time off 22 ms Do switching time 17 ms Explosion prevention and protection Observe the information on the certificate Zone 2 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrorsion resistance class (CRC) 2 - Moderate corrosion stress ABS (PWIS) conformity	Pneumatic working port	G3/8
Structural design Plate seat Reset method Mechanical spring Reset method C UL us - Recognized (OL) Nominal width 8.1 mm Schaust air function With flow control option Sealing principle Soft Wounting position Any Manual override None Nore or outrol Direct Pilot air supply port Internal Icow direction Non-reversible Symbol 00991001 .ap Underlap Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure MPa 2.5 bar 10 bar Switching time off 22 ms On switching time off 22 ms On switching time 17 ms Explosion prevention and protection Observe the information on the certificate Zone 1 (ATEX) Zone 2 1 (ATEX) Orne 2 (ATEX) Zone 2 1 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrorsion resistance class (CRC) 2 - Moderate corrosion sttess ABS (PWIS) confor	Operating pressure	0.25 MPa 1 MPa
Reset methodMechanical springCertificationc UL us · Recognized (OL)Nominal width8.1 mmExhaust air functionWith flow control optionSealing principleSoftMounting positionAnyManual overrideNoneFype of controlDirectPilot air supply portInternalClow directionNon-reversibleSymbol00991001Jilot pressure MPa0.25 MPa 1 MPaPilot pressure MPa0.25 MPa 1 MPaPilot pressure MPa0.25 MPa 1 MPaDiskiching time off22 msDn switching time17 msExplosion prevention and protectionObserve the information on the certificate Zone 21 (ATEX) Zone 22 (ATEX)Diperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Information on operating and pilot mediaOperation with ail lubrication possible (required for further use)Corrosion resistance class (CRC)2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LPilot medium10 °C 60 °CNamient temperature-10 °C 60 °C	Operating pressure	2.5 bar 10 bar
certification c UL us Acceptized (0L) Nominal width 8.1 mm Exhaust air function With flow control option Sealing principle Soft Wounting position Any Manual override None Type of control Direct Pilot air supply port Internal Tow direction Non-reversible Symbol 00991001 .ap Underlap Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure MPa 0.25 MPa 10 bar Switching time off 22 ms Do switching time off 22 ms Do switching time 17 ms Explosion prevention and protection Obereve the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (Structural design	Plate seat
Nominal width8.1 mmExhaust air functionWith flow control optionSealing principleSoftMounting positionAnyManual overrideNoneType of controlDirectPilot air supply portInternalIcow directionNon-reversibleSymbol00991001.apUnderlapPilot pressure MPa0.25 MPa 1 MPaPilot pressure2.5 bar 10 barSwitching time off22 msDo switching time17 msExplosion prevention and protectionObserve the information on the certificate Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010[7:4:4]nformation on operating and pilot mediaOperation with dil lubrication possible (required for further use)Corrosion resistance class (CRC)2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/82-LPeneture of medium-10 °C 60 °CAmbient temperature-10 °C 60 °C	Reset method	Mechanical spring
Exhaust air functionWith flow control optionSealing principleSoftMounting positionAnyManual overrideNoneType of controlDirectPilot air supply portInternalRow directionNon-reversibleSymbol00991001.apUnderlapPilot pressure MPa0.25 MPa 1 MPaPilot pressure MPa2.5 bar 10 barSwitching time off22 msOn switching time off17 msExplosion prevention and protectionObserve the information on the certificate Zone 1 (ATEX) Zone 21	Certification	c UL us - Recognized (OL)
Sealing principleSoftMounting positionAnyManual overrideNoneType of controlDirectPilot air supply portInternalBow directionNon-reversibleSymbol00991001.apUnderlapPilot pressure MPa0.25 MPa 1 MPaPilot pressure2.5 bar 10 barSwitching time off22 msOn switching time17 msExplosion prevention and protectionObserve the information on the certificate Zone 21 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 26 (ATEX) Zone 27 (A	Nominal width	8.1 mm
Mounting positionAnyManual overrideNoneType of controlDirectPilot air supply portInternalFlow directionNon-reversibleSymbol00991001.apUnderlapPilot pressure MPa0.25 MPa 1 MPaPilot pressure2.5 bar 10 barSwitching time off22 msOn switching time17 msExplosion prevention and protectionObserve the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010[7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LFemperature of medium-10 °C 60 °CAmbient temperature-10 °C 60 °C	Exhaust air function	With flow control option
Manual overrideNoneType of controlDirectPilot air supply portInternalFlow directionNon-reversibleSymbol00991001.apUnderlapPilot pressure MPa0.25 MPa 1 MPaPilot pressure2.5 bar 10 barSwitching time off22 msOn switching time17 msExplosion prevention and protectionObserve the information on the certificate Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 32 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010[7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LFemperature of medium-10 °C 60 °CAmbient temperature-10 °C 60 °C	Sealing principle	Soft
Type of controlDirectPilot air supply portInternalFlow directionNon-reversibleSymbol00991001.apUnderlapPilot pressure MPa0.25 MPa 1 MPaPilot pressure MPa2.5 bar 10 barSwitching time off22 msOn switching time17 msExplosion prevention and protectionObserve the information on the certificate Zone 1 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010[7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 · Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LPenperature of medium-10 °C 60 °CPilot mediumCompressed air as per ISO 8573-1:2010[7:4:4]	Mounting position	Any
Pilot air supply portInternalFlow directionNon-reversibleSymbol00991001.apUnderlapPilot pressure MPa0.25 MPa 1 MPaPilot pressure2.5 bar 10 barSwitching time off22 msOn switching time17 msExplosion prevention and protectionObserve the information on the certificate Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 · Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LPenperature of medium-10 °C 60 °CPilot medium-10 °C 60 °C	Manual override	None
Iow directionNon-reversibleSymbol00991001apUnderlapPilot pressure MPa0.25 MPa 1 MPaPilot pressure2.5 bar 10 barSwitching time off22 msOn switching time17 msExplosion prevention and protectionObserve the information on the certificate Zone 2 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LFemperature of medium-10 °C 60 °CPilot medium-10 °C 60 °C	Type of control	Direct
Symbol00991001.apUnderlapPilot pressure MPa0.25 MPa 1 MPa2Pilot pressure2.5 bar 10 barSwitching time off22 msOn switching time17 msExplosion prevention and protectionObserve the information on the certificate Zone 1 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 23 (ATEX) Zone 24 (ATEX) Zone 25 (ATEX) Zone 26 (ATEX) Zone 26 (ATEX) Zone 26 (ATEX) Zone 26 (ATEX) Zone 27 (ATEX) Zone 26 (ATEX) Zone 26 (ATEX) Zone 26 (ATEX) Zone 27 (ATEX) Zone 26 (ATEX) Zone 27 (ATEX) Zone 27 (ATEX) Zone 27 (ATEX) Zone 27 (ATEX) Zone 26 (ATEX) Zone 27 (ATEX) ZONE	Pilot air supply port	Internal
JapUnderlapPilot pressure MPa0.25 MPa 1 MPaPilot pressure2.5 bar 10 barSwitching time off22 msOn switching time17 msExplosion prevention and protectionObserve the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010[7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C 60 °CPilot mediumCompressed air as per ISO 8573-1:2010[7:4:4]	Flow direction	Non-reversible
Dilot pressure MPa0.25 MPa 1 MPaPilot pressure2.5 bar 10 barSwitching time off22 msOn switching time17 msExplosion prevention and protectionObserve the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C 60 °CPilot mediumCompressed air as per ISO 8573-1:2010 [7:4:4]	Symbol	00991001
Pilot pressure2.5 bar 10 barSwitching time off22 msOn switching time17 msExplosion prevention and protectionObserve the information on the certificate Zone 1 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LPenderature of medium-10 °C 60 °CAmbient temperature-10 °C 60 °C	Lap	Underlap
Switching time off22 msOn switching time17 msExplosion prevention and protectionObserve the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LPenerature of medium-10 °C 60 °CAmbient temperature-10 °C 60 °C	Pilot pressure MPa	0.25 MPa 1 MPa
Dn switching time17 msExplosion prevention and protectionObserve the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C 60 °CPilot mediumCompressed air as per ISO 8573-1:2010 [7:4:4]	Pilot pressure	2.5 bar 10 bar
Explosion prevention and protectionObserve the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 · Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LFemperature of medium-10 °C 60 °CPilot mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Ambient temperature-10 °C 60 °C	Switching time off	22 ms
Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010[7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LFemperature of medium-10 °C 60 °CPilot mediumCompressed air as per ISO 8573-1:2010[7:4:4]Ambient temperature-10 °C 60 °C	On switching time	17 ms
nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 - Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C 60 °CPilot mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Ambient temperature-10 °C 60 °C	Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Corrosion resistance class (CRC)2 - Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C 60 °CPilot mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Ambient temperature-10 °C 60 °C	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
ABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C 60 °C Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Ambient temperature -10 °C 60 °C	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Femperature of medium-10 °C 60 °CPilot mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Ambient temperature-10 °C 60 °C	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Ambient temperature -10 °C 60 °C	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature -10 °C 60 °C	Temperature of medium	-10 °C 60 °C
	Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Product weight 473 g	Ambient temperature	-10 °C 60 °C
	Product weight	473 g

Feature	Value
Type of mounting	Optionally: On terminal strip With through-hole
Venting hole connection	Not ducted
Pilot air port 14	G1/8
Pneumatic connection 1	G3/8
Pneumatic connection 2	G3/8
Pneumatic connection 3	G3/8
Pneumatic connection 4	G3/8
Pneumatic connection 5	G3/8
Note on materials	RoHS-compliant
Seals material	HNBR NBR TPE-U(PU)
Housing material	Die cast aluminum, painted
Piston slide material	Wrought aluminum alloy
Material of screws	Steel, galvanized