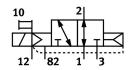
Air solenoid valve VUVS-L20-M32U-AZD-G18-F7

FESTO

Part number: 575258





General operating condition

Data sheet

Actuation type Actuation type Standard nominal flow rate 700 l/min Preumatic working port Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Piston gate valve Reset method Preumatic spring Certification Cut us - Recognized (Ot) Nominal width 5.7 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting Non-detenting Type of control Pilot-controlled External Flow direction Reversible Symbol Operating whe Overlap Pilot pressure Detenting Overlap Pilot pressure Detenting Overlap Overlap Overlap Overlap Overlap Overlap On switching time off On switching time off On switching time off On switching time Max. positive test pulse with O signal Max. positive test pulse with O signal Max. positive test pulse with O signal Max. poperating medium Operating medium Operating medium Operating medium Operation with oil lubrication possible (required for further use) Vibration resistance Fransport application test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock resistance Shock kests with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock kest with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock kest with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock kest with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock kest with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock kest with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock kest with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock kest with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock kest with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance	Feature	Value
Valve size 21 mm Standard nominal flow rate 700 l/min Pheumatic working port 61/8 Operating pressure -0.09 MPa 1 MPa Operating pressure -0.9 bar 10 bar Structural design Piston gate valve Reset method Pneumatic spring Cut us - Recognized (OL) Nominal width 5.7 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol 00991448 Lap Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure MPa 0.35 MPa 1 MPa Pilot pressure MPa 0.35 MPa 1 MPa Pilot pressure MPa 0.35 MPa 1 MPa Pilot pressure 1 2.5 bar 10 bar Overlap Pilot pressure 1 2.5 bar 10 bar Owerlap On switching time off 21 ms On switching time off 21 ms Max. negative test pulse with 0 signal 1900 µ5 Max. negative test pulse with 0 signal 7700 µ5 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) Vibration resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Cass (CRC) 2 - Moderate corrosion stress	Valve function	3/2, open, monostable
Standard nominal flow rate 700 l/min Pneumatic working port G1/8 Operating pressure -0.09 MPa 1 MPa Operating pressure -0.9 bar 10 bar Structural design Priston gate valve Reset method Pneumatic spring Certification cUL us - Recognized (OL) Nominal width 5.7 mm Nominal width 5.7 mm Sealing principle Soft Mounting position Any Manual override Detenting Non-detenting Type of control Pilot controlled Pilot air supply port External Flow direction Reversible Symbol 00991448 Lap 00verlap Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure MPa 0.25 MPa 1 MPa Switching time off 0.35 C value 0.35 C value 0.39 Switching time off 0.21 ms Max. negative test pulse with 0 signal 1900 µs Max. negative test pulse with 0 signal 1900 µs Max. negative test pulse with 0 signal 10 Operating medium 10 Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media 0 Operation with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Corrosion stress	Actuation type	Electrical
Pneumatic working port Operating pressure operating and pilot media Operation until obscript less of pressure operating operating endium Operation pressure operating and pilot media Operation medium operating and pilot media Operation resistance Shock resistance Shock resistance Shock resistance Shock resistance Operation stress	Valve size	21 mm
Operating pressure Operating pressure Operating pressure -0.9 MPa 1 MPa Operating pressure Piston gate valve Pesten wethod Pneumatic spring Certification c UL us - Recognized (OL) Nominal width 5.7 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting Non-detenting Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol Operating MPa Dit pressure MPa Doswith MPa Do	Standard nominal flow rate	700 l/min
Operating pressure Operating past valve Proceeding (OL) Nominal width S.7 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Operating Non-detenting Non-detenting Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol Operating Overlap Pilot pressure MPa O.25 MPa 1 MPa Pilot pressure Oyalae Oyalae Oyalae Oyalae Oyalae Oyalae Oyalae Oyalae Oosabar	Pneumatic working port	G1/8
Structural design Piston gate valve Reset method Pneumatic spring Certification c U U s - Recognized (OU) Nominal width 5.7 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting Non-detenting Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol 0991448 Luap Overlap Pilot pressure MPa Dilot pressure MPa D-value 0.25 MPa 1 MPa D-value 0.35 C Value 2.9 l/sbar Switching time off 21 ms Any Max. positive test pulse with 0 signal 1900 µs Max. negative test pulse with 0 signal 2700 µs Operating medium Compressione Pilot years and pilot media 1900 per polication possible (required for further use) Vibration resistance FN 60068-2-27 Corrosion resistance Class (CRC) 2 - Moderate corrosion stress	Operating pressure	-0.09 MPa 1 MPa
Reset method Certification c UL us - Recognized (OL) Nominal width 5.7 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting Non-detenting Type of control Pilot-controlled Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol 09991448 Lap 00erlap Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure 2.5 bar 10 bar b-value 0.35 C value 2.9 I/sbar Switching time off 21 ms Max. positive test pulse with 0 signal 1900 µs Max. negative test pulse with 0 signal 2700 µs Operating medium Compressed ir as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Virbation resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Class (CRC) 2 - Moderate corrosion stress	Operating pressure	-0.9 bar 10 bar
certification c UL us - Recognized (OL) Nominal width 5.7 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting Non-detenting Type of control Pilot-controlled Pilot symbol Reversible Symbol Overlap Pilot pressure MPa O.25 MPa 1 MPa Pilot pressure 2.5 bar 10 bar D-value 0.35 C value 0.35 C value 0.29 l/sbar Switching time off 0.1 ms Max. positive test pulse with 0 signal 1900 µs Max. negative test pulse with 0 signal 2700 µs Operating medium Compressed ir as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Vibration resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Class (CRC) 2 - Moderate corrosion stress	Structural design	Piston gate valve
Nominal width 5.7 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting Non-detenting Non-detenting Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol 0991448 Lap Overlap 0.25 MPa 1 MPa Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure Devalue 2.59 (ySbar 10 bar	Reset method	Pneumatic spring
Exhaust air function Sealing principle Soft Mounting position Manual override Detenting Non-detenting Non-detenting Pilot-controlled Pilot-controlled External Flow direction Reversible Symbol Lap Overlap Overlap Pilot pressure MPa Detailune C value Switching time off On switching time Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Shock resistance Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) Pilot pressure Detenting Any Mex. operating medium Any Overlap O	Certification	c UL us - Recognized (OL)
Sealing principle Mounting position Any Detenting Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Symbol Lap Overlap Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure 2.5 bar 10 bar b-value 0.35 C value 2.9 l/sbar Switching time off 21 ms On switching time 14 ms Max. negative test pulse with 0 signal Max. negative test pulse on 1 signal Operating medium Information on operating and pilot media Vibration resistance Shock resistance Shock resistance Shock resistance Corrosion resistance class (CRC)	Nominal width	5.7 mm
Mounting position Manual override Detenting Non-detenting Pilot-controlled Pilot air supply port External Flow direction Symbol Lap Overlap Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure 2.5 bar 10 bar b-value 0.35 C value 2.9 l/sbar Switching time off 21 ms On switching time 14 ms Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Operating medium Information on operating and pilot media Vibration resistance Shock resistance Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Cass (CRC) Pilot-controlled Pilot-con	Exhaust air function	With flow control option
Manual override Detenting Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol 00991448 Lap Overlap Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure be value 0.35 C value 2.9 I/sbar Switching time off 21 ms On switching time 14 ms Max. positive test pulse with 0 signal 1900 μs Max. negative test pulse on 1 signal 2700 μs 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) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 · Moderate corrosion stress	Sealing principle	Soft
Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol Oop91448 Lap Overlap Pilot pressure MPa O.25 MPa 1 MPa Pilot pressure b-value O.35 C value 2.9 I/sbar Switching time off 21 ms On switching time Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Shock resistance Shock resistance Shock resistance Shock resistance Shock resistance Corrosion resistance class (CRC) Pilot-controlled Pilot-controlled Pilot-controlled Pilot-controlled External Flow-controlled External Flow-controlled External Flow-controlled External Flow-controlled External Flow-controlled External Floorestible Shock resistance Pilot-controlled External Floorestible External Floorestible External Floorestible Sternal Floorestible External Floorestible Steverible External Floorestible Steverible Steverib	Mounting position	Any
Pilot air supply port External Flow direction Reversible Symbol 00991448 Lap Overlap Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure 2.5 bar 10 bar b-value 0.35 C value 2.9 l/sbar Switching time off 21 ms On switching time 14 ms Max. positive test pulse with 0 signal 1900 μs Max. negative test pulse on 1 signal 2700 μs 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) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-26 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Manual override	
Reversible Symbol O0991448 Lap Overlap Overlap Pilot pressure MPa 2.5 bar 10 bar b-value 0.35 C value 2.9 l/sbar Switching time off 21 ms On switching time 44 ms Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Transport application test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock resistance Corrosion resistance class (CRC) 2.9 MAX Overlap Ov	Type of control	Pilot-controlled
Symbol00991448LapOverlapPilot pressure MPa0.25 MPa 1 MPaPilot pressure2.5 bar 10 barb-value0.35C value2.9 l/sbarSwitching time off21 msOn switching time14 msMax. positive test pulse with 0 signal1900 μsMax. negative test pulse on 1 signal2700 μsOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 as per FN 942017-5 and EN 60068-2-27Corrosion resistance class (CRC)2 - Moderate corrosion stress	Pilot air supply port	External
Overlap Pilot pressure MPa O.25 MPa 1 MPa Pilot pressure O.35 C value O.35 Switching time off On switching time 14 ms Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal 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) Wibration resistance Transport application test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Flow direction	Reversible
Pilot pressure MPa 0.25 MPa 1 MPa 2.5 bar 10 bar b-value 0.35 C value 2.9 l/sbar Switching time off 21 ms On switching time 14 ms Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Symbol	00991448
Pilot pressure 2.5 bar 10 bar b-value 0.35 C value 2.9 l/sbar Switching time off 21 ms On switching time 14 ms Max. positive test pulse with 0 signal 1900 μs Max. negative test pulse on 1 signal 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) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Lap	Overlap
Devalue Covalue 2.9 l/sbar Switching time off 21 ms On switching time 14 ms Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal 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) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Pilot pressure MPa	0.25 MPa 1 MPa
C value 2.9 l/sbar Switching time off 21 ms On switching time 14 ms Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal 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) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Pilot pressure	2.5 bar 10 bar
Switching time off 21 ms On switching time 14 ms Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal 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) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	b-value	0.35
On switching time14 msMax. positive test pulse with 0 signal1900 μsMax. negative test pulse on 1 signal2700 μsOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 as per FN 942017-5 and EN 60068-2-27Corrosion resistance class (CRC)2 - Moderate corrosion stress	C value	2.9 l/sbar
Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal 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) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Switching time off	21 ms
Max. negative test pulse on 1 signal 2700 μs 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) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	On switching time	14 ms
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) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Max. positive test pulse with 0 signal	1900 μs
Information on operating and pilot media Operation with oil lubrication possible (required for further use) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Max. negative test pulse on 1 signal	2700 μs
Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Vibration resistance	
	Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
LABS (PWIS) conformity VDMA24364-B1/B2-L	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
	LABS (PWIS) conformity	VDMA24364-B1/B2-L

Feature	Value
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
Product weight	138 g
Type of mounting	Optionally: On terminal strip With through-hole
Venting hole connection	Not ducted
Pilot exhaust air port 82	M5
Pilot air port 12	M5
Pneumatic connection 1	G1/8
Pneumatic connection 2	G1/8
Pneumatic connection 3	G1/8
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Die-cast aluminum Painted
Piston slide material	Wrought aluminum alloy
Material of screws	Steel, galvanized