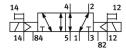
## Air solenoid valve VUVS-L25-B52-ZD-G14-F8

**FESTO** 

Part number: 575517





## **Data sheet**

Actuation type  Actuation two king port  Actuation two king port  Actuation two king port  Actuation type  Act	Feature	Value
Valve size  Standard nominal flow rate  Pneumatic working port  G1/4  Operating pressure  Structural design  Piston gate valve  Certification  Cut. us - Recognized (OL)  Certificate issuing authority  DNVGL-TAA000011]  Nominal width  6.9 mm  Exhaust air function  Sealing principle  Soft  Mounting position  Any  Manual override  Detenting  Non-detenting  Pilot-controlled  Pilot-controlled  Pilot pressure  Lap  Overlap  Pilot pressure  1.5 bar10 bar  Devalue  O.4  Caulue  S.6. I/sbar  Changeover 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  Operation mich level 2 as per FN 942017-5 and EN 60068-2-27  Corrosion resistance  Shock resistance	Valve function	5/2, bistable
Standard nominal flow rate 1300 I/min Pneumatic working port G1/4 Operating pressure -0.9 bar10 bar Structural design Piston gate valve Certification c UL us - Recognized (OL) Certificate issuing authority DNVGL-TAAO00011J Nominal width 6.9 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 Lap Overlap Pilot pressure 1.5 bar10 bar b-value 0.4 C value 5.6 (/Sbar Max. positive test pulse with 0 signal 2000 µs Max. negative test pulse with 0 signal 3600 µs Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation versible versible response politor in esistance FN 60068-2-27 Corrosion resistance 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	Actuation type	Electrical
Preumatic working port Operating pressure Operating activity Operating authority Operating authority Operating authority Operating authority Operating authority Operating authority Operating principle Operating principle Operating principle Operating principle Operating operating operating operating and pilot media Operating medium operating and pilot media Operating very level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Operating very level very level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Operating very level very level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Operating very level very level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Operating very level very level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Operating very level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Operating very level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Cass (CRC) Operating very level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) Operating very level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) Operating very level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) Operating very level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) Operating very level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) Operating very level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC)	Valve size	26.5 mm
Operating pressure  -0.9 bar10 bar  Structural design  Piston gate valve  Certification  c UL us - Recognized (OL)  DNVGL-TAAO00011  Nominal width  6.9 mm  Exhaust air function  Sealing principle  Soft  Mounting position  Any  Manual override  Detenting  Non-detenting  Type of control  Pilot controlled  Pilot air supply port  External  Flow direction  Reversible  Lap  Overlap  Pilot pressure  1.5 bar10 bar  b-value  C value  5.6 I/Sbar  Changeover time  11 ms  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Operating medium  C 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)  2 - Moderate corrosion stress	Standard nominal flow rate	1300 l/min
Structural design Piston gate valve Certification c UL us - Recognized (OL) Certificate issuing authority DNVGL-TAA000011J Nominal width 6.9 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 Lap Overlap Pilot pressure 1.5 bar10 bar Devalue 0.4 C value 5.6 l/sbar Changeover time 11 ms Max. positive test pulse with 0 signal 2000 µs Max. negative test pulse on 1 signal 3600 µs Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication posible (required for further use) 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) 2 - Moderate corrosion stress	Pneumatic working port	G1/4
Certification c UL us - Recognized (OL) Certificate issuing authority DNVGL-TAA000011J Nominal width 6.9 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 Lap Overlap Pilot pressure 1.5 bar10 bar D-value 0.4 C value 5.6 l/sbar Changeover time 11 ms Max. positive test pulse with 0 signal 2000 µs Max. negative test pulse on 1 signal 3600 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 Shock resistance Shock resistance Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Operating pressure	-0.9 bar10 bar
Certificate issuing authority  Nominal width 6.9 mm  Exhaust air function With flow control option  Sealing principle Soft  Mounting position Manual override Detenting Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Reversible Lap Overlap Pilot pressure 1.5 bar10 bar b-value C value 5.6 l/sbar Changeover time 11 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)  Dietenting With flow control option With flow control option Soft Any With flow control Soft Any Bell Soft Any	Structural design	Piston gate valve
Nominal width 6.9 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting Non-detenting Flow control Pilot-controlled Pilot air supply port External Flow direction Reversible Lap Overlap Pilot pressure 1.5 bar10 bar b-value C value 5.6 l/sbar Changeover time 11 ms Max. positive test pulse with 0 signal Max. negative 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 Operating medium test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock resistance Shock resistance Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Certification	c UL us - Recognized (OL)
Exhaust air function  Sealing principle  Soft  Mounting position  Any  Manual override  Detenting Non-detenting  Flot-controlled  Pilot-controlled  Pilot air supply port  External  Flow direction  Reversible  Lap  Overlap  Pilot pressure  1.5 bar10 bar  b-value  C value  C value  5.6 l/sbar  Changeover 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  Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-27  Corrosion resistance  Shock resistance  Compressed accorrosion stress	Certificate issuing authority	DNVGL-TAA000011J
Sealing principle  Mounting position  Any  Manual override  Detenting Non-detenting  Type of control  Pilot-controlled  Pilot air supply port  External  Flow direction  Reversible  Lap  Overlap  Pilot pressure  1.5 bar10 bar  b-value  C value  5.6 l/sbar  Changeover time  11 ms  Max. positive test pulse with 0 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 60068-2-26  Shock resistance  Shock resistance  Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-26  Corrosion resistance class (CRC)  2 - Moderate corrosion stress	Nominal width	6.9 mm
Mounting position  Manual override  Detenting Non-detenting Type of control  Pilot-controlled  Reversible  Lap  Overlap  Pilot pressure  1.5 bar10 bar  b-value  0.4  C value  C value  5.6 l/sbar  Changeover time  11 ms  Max. positive test pulse with 0 signal  2000 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	Exhaust air function	With flow control option
Detenting Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Lap Overlap Pilot pressure Devalue O.4 C value Sold lysbar Changeover 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 Operation 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)  Detenting Ron-detenting Non-detenting N	Sealing principle	Soft
Non-detenting  Type of control Pilot-controlled  Pilot air supply port External  Flow direction Reversible  Overlap Pilot pressure 1.5 bar10 bar b-value 0.4 C value 5.6 l/sbar  Changeover time 11 ms  Max. positive test pulse with 0 signal 2000 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 Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6  Shock resistance Shock resistance Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Mounting position	Any
External Flow direction Reversible Lap Overlap Pilot pressure 1.5 bar10 bar b-value 0.4 C value 5.6 l/sbar Changeover time 11 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 Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Fransport 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	Manual override	
Flow direction       Reversible         Lap       Overlap         Pilot pressure       1.5 bar10 bar         b-value       0.4         C value       5.6 l/sbar         Changeover time       11 ms         Max. positive test pulse with 0 signal       2000 μs         Max. negative test pulse on 1 signal       3600 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	Type of control	Pilot-controlled
Overlap Pilot pressure 1.5 bar10 bar  0.4 C value 5.6 l/sbar Changeover time 11 ms Max. positive test pulse with 0 signal 2000 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	Pilot air supply port	External
Pilot pressure  1.5 bar10 bar  0.4  C value  5.6 l/sbar  Changeover time  11 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  Corrosion resistance class (CRC)  2 - Moderate corrosion stress	Flow direction	Reversible
b-value  0.4  C value  5.6 l/sbar  Changeover time  11 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	Lap	Overlap
C value  5.6 l/sbar  Changeover time  11 ms  Max. positive test pulse with 0 signal  2000 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	Pilot pressure	1.5 bar10 bar
Changeover time11 msMax. positive test pulse with 0 signal2000 μsMax. negative test pulse on 1 signal3600 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	b-value	0.4
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	C value	5.6 l/sbar
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	Changeover time	11 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	2000 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	3600 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
Cleanroom class	Class 6 according to ISO 14644-1
Temperature of medium	-10 °C60 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-10 °C60 °C
Product weight	322 g
Type of mounting	On terminal strip With through-hole Optionally:
Venting hole connection	Not ducted
Pilot exhaust air port 82	M5
Pilot exhaust air port 84	M5
Pilot air port 12	M5
Pilot air port 14	M5
Pneumatic connection 1	G1/4
Pneumatic connection 2	G <sup>1</sup> / <sub>4</sub>
Pneumatic connection 3	G1/4
Pneumatic connection 4	G1/4
Pneumatic connection 5	G1/4
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