

# Air solenoid valve VUVS-25

Part number: 8022014

FESTO



## Data sheet

Feature	Value
Valve function	2x3/2, closed, monostable 2x3/2, open, monostable 2x3/2, open/closed, monostable 3/2, closed, monostable 3/2, open, monostable 5/2, bistable 5/2, monostable 5/3, pressurized 5/3, exhausted 5/3, closed
Actuation type	Electrical
Valve size	26.5 mm
Standard nominal flow rate	1000 l/min...1300 l/min
Pneumatic working port	G1/4 1/4 NPT QS-6 QS-8 QS-10 QS-1/4 QS-5/16 QS-3/8
Operating voltage	110V AC 120V AC 12V DC 230V AC 240V AC 24V AC 24V DC Via solenoid coil, to be ordered separately
Operating pressure	-0.9 bar...10 bar
Structural design	Piston gate valve Plate seat
Reset method	Mechanical spring Pneumatic spring
Certification	c UL us - Recognized (OL)
Maritime classification	See certificate
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX) As per EU low voltage directive

Feature	Value
Explosion protection certification outside the EU	Class I, Div. 1 (US) Class II, Div. 1 (US) Class III, Div. 1 (US) EPL Db (IEC-EX) EPL Dc (GB) EPL Ga (IEC-EX) EPL Gb (IEC-EX) EPL Gc (GB)
UKCA marking (see declaration of conformity)	acc. to UK EX instructions To UK instructions for electrical equipment
ATEX category gas	II 2G II 3G
ATEX category for dust	II 2D II 3D
Type of ignition protection for gas	AEx m II T4 Ex ec IIC T4 Gc X Ex ia IIC T6, T4 Gb Ex m II T4 Ex mb IIC T6 Gb Ex nA IIC T5/T4 X Gc
Type of (ignition) protection for dust	Ex mb tb IIIC T80°C Db Ex tb IIIC T80°C, T130°C Db IP65 Ex tc IIIC T115°C Dc X Ex tc IIIC T95°C/T105°C X Dc
Explosive ambient temperature	-10°C ≤ Ta ≤ +60°C -20°C ≤ Ta ≤ +50°C -20°C ≤ Ta ≤ +60°C T4, T130°C: -40°C ≤ Ta ≤ +85°C
Degree of protection	IP65 IP67 With plug socket as per IEC 60529
Exhaust air function	With flow control option
Sealing principle	Soft
Mounting position	Any
Type of control	Pilot-controlled
Explosion prevention and protection	Class I, Div. 1 (US) Class II, Div. 1 (US) Class III, Div. 1 (US) Observe the information on the certificate Zone 0 (IEC-EX) Zone 1 (ATEX) Zone 1 (IEC-EX) Zone 2 (ATEX) Zone 2 (UKEX) Zone 21 (ATEX) Zone 21 (IEC-EX) Zone 22 (ATEX) Zone 22 (UKEX)
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)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Type of mounting	Optionally: On terminal strip With through-hole
Venting hole connection	Not ducted
Note on materials	RoHS-compliant
Housing material	Die-cast aluminum Painted
Material of screws	Steel, galvanized