

Air solenoid valve VUVS-20

Part number: 576516

FESTO



Data sheet

Feature	Value
Valve function	2x3/2 closed, monostable 2x3/2 open monostable 2x3/2, open/closed, monostable 3/2-way, closed, monostable 3/2-way, monostable, open 5/2-way, bistable 5/2-way, monostable 5/3-way, pressurized 5/3 exhausted 5/3-way, closed
Actuation type	Electrical
Valve size	21 mm
Normal nominal flow rate (normalized to DIN 1343)	500 l/min...700 l/min
Pneumatic working port	G1/8 1/8 NPT QS-4 QS-6 QS-8 QS-5/32 QS-1/4 QS-5/16
Operating voltage	110V AC 120V AC 12V DC 230V AC 240V AC 24V AC 24V DC
Operating pressure	-0.09 MPa...1 MPa -0.9 bar...10 bar
Structural design	Piston gate valve Plate seat
Reset method	Mechanical spring Pneumatic spring
Certification	c UL us - recognized (OL)
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
Explosion protection certification outside the EU	EPL Dc (GB) EPL Gc (GB)
UKCA marking (see declaration of conformity)	acc. to UK EX instructions

Feature	Value
ATEX category gas	II 3G
ATEX category for dust	II 3D
Type of ignition protection for gas	Ex ec IIC T4 Gc X
Type of (ignition) protection for dust	Ex tc IIIC T115°C Dc X
Explosive ambient temperature	-10°C ≤ Ta ≤ +60°C
Degree of protection	IP65 IP67 With plug socket As per IEC 60529
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting Covered
Type of control	Piloted
Pilot air supply port	External Internal
Flow direction	Reversible with restrictions
Explosion prevention and protection	Zone 2 (ATEX) Zone 2 (UKEX) 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
Cleanroom suitability, measured according to ISO 14644-14	Class 6 according to ISO 14644-1
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
Type of mounting	Alternatively: On terminal strip With through-hole
Venting hole connection	Not ducted
Note on materials	RoHS compliant
Housing material	Die-cast aluminum Painted
Piston slide material	Wrought aluminum alloy high-alloy stainless steel
Material of screws	Galvanized steel