

# Solenoid valve VUVS-20

Part number: 576516

**FESTO**



## Data sheet

Feature	Value
Valve function	2x3/2-way, monostable, closed 2x3/2-way, open, monostable 2x3/2-way, open/closed, monostable 3/2-way, closed, monostable 3/2 open, single solenoid 5/2 double solenoid 5/2-way, monostable 5/3-way, pressurised 5/3 exhausted 5/3 closed
Type of actuation	Electric
Valve size	21 mm
Standard nominal flow rate (standardised 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
Design	Piston gate valve Poppet seat
Type of reset	Mechanical spring Pneumatic spring
Approval	c UL us - Recognized (OL)
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)
Explosion protection certification outside the EU	EPL Dc (GB) EPL Gc (GB)
UKCA marking (see declaration of conformity)	To UK EX instructions

Feature	Value
ATEX category gas	II 3G
ATEX category dust	II 3D
Explosion ignition protection type for gas	Ex ec IIC T4 Gc X
Explosion ignition protection type for dust	Ex tc IIIC T115°C Dc X
Explosion ambient temperature	-10 °C <= Ta <= +60 °C
Degree of protection	IP65 IP67 With plug socket To IEC 60529
Exhaust-air function	With flow control option
Sealing principle	Soft
Mounting position	optional
Manual override	Detenting Non-detenting Covered
Type of piloting	Pilot actuated
Pilot air supply	External Internal
Flow direction	Reversible with restrictions
Explosion protection	Zone 2 (ATEX) Zone 2 (UKEX) Zone 22 (ATEX) Zone 22 (UKEX)
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom class	Class 6 according to ISO 14644-1
Media temperature	-10 °C...60 °C
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-10 °C...60 °C
Type of mounting	On manifold rail With through-hole Either:
Breather connection	Not ducted
Note on materials	RoHS-compliant
Material housing	Die-cast aluminium Painted
Material piston slide	Wrought aluminium alloy High-alloy stainless steel
Material screws	Galvanised steel