

Valve manifold assembly VTUS-20

Part number: 577304

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Electrical control	Individual connection
Electrical I/O system	No
Grid dimension	22 mm
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Media temperature	-10 °C ... 50 °C
Ambient temperature	-10 °C ... 50 °C
Storage temperature	-20 °C ... 60 °C
Degree of protection	IP65 IP67 With plug socket To IEC 60529
Corrosion resistance class CRC	2 - Moderate corrosion stress
Operating pressure	-0.09 MPa ... 1 MPa
Operating pressure	-0.9 bar ... 10 bar
Pilot pressure	0.15 MPa ... 1 MPa
Pilot pressure	1.5 bar ... 10 bar
Operating pressure for valve terminal with internal pilot air supply	1.5 bar ... 10 bar
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 6 according to ISO 14644-1
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions
Approval	c UL us - Recognised (Oil)
Explosion protection	Zone 2 (ATEX) Zone 2 (UKEX) Zone 22 (ATEX) Zone 22 (UKEX)
ATEX category gas	II 3G
ATEX category dust	II 3D
Explosion protection certification outside the EU	EPL Dc (GB) EPL Gc (GB)
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 ≤ +50°C
Note on materials	RoHS compliant
Material seals	HNBR NBR TPE-U(PU)

Feature	Value
Valve terminal structure	Fixed grid
Max. number of valve positions	16
Max. number of pressure zones	9
Valve function	2x3/2 closed monostable 2x3/2 open monostable 2x3/2-way, open/closed, monostable 3/2-way, single solenoid, closed 3/2-way, single solenoid, open 5/2-way, double solenoid 5/2-way, single solenoid 5/3-way, pressurised 5/3 exhausted 5/3-way, closed
Design	Piston gate valve Poppet seat
Sealing principle	Soft
Valve size	21 mm
Standard nominal flow rate (standardised to DIN 1343)	600 l/min ... 700 l/min
Exhaust-air function	Can be throttled
pneumatic working port	G1/8 1/8 NPT QS-4 QS-6 QS-8 QS-5/32 QS-1/4 QS-5/16