


Pneumatic valve VOGM-FD100-M33E-M-F90

Part number: 8141658

FESTO



 General operating condition

Data sheet

Feature	Value
Design	Piloted piston poppet valve
Type of actuation	Pneumatic
Sealing principle	Soft
Mounting position	optional
Type of mounting	With accessories
Valve function	Proportional 3/3-way valve
Mode of operation	Single-acting
Operating pressure	0.14 MPa ... 0.8 MPa
Operating pressure	1.4 bar ... 8 bar
Operating pressure	20.3 psi ... 116 psi
Type of reset	Mechanical spring
Pneumatic connection	Sub-base design, airing
Operating medium	Compressed air to ISO 8573-1:2010 [7:7:-] Inert gases
Note on operating and pilot medium	Lubricated operation not possible
Media temperature	-40 °C ... 80 °C
Ambient temperature	-40 °C ... 80 °C
Standard nominal flow rate (standardised to DIN 1343)	1240 l/min
C value	5.58 l/sbar
b value	0.214
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364 zone III
Material housing	Smooth-anodised wrought aluminium alloy (20 µm)
Material cover	Smooth-anodised wrought aluminium alloy (20 µm)
Material seals	EPDM NBR
Material screws	High-alloy stainless steel
Material spring	Spring steel
Product weight	1560 g
Explosion protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Corrosion resistance class CRC	3 - high corrosion stress