

Pneumatic valve VOGM-FD100-M33E-M-F90

Part number: 8141658

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Design	Diaphragm valve Piloted piston poppet valve
Type of actuation	Pneumatic
Sealing principle	Soft
Mounting position	Any
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 gas
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