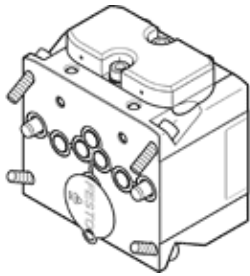


Pneumatic valve

VOGM-FD100-M33E-M-F90

Part number: 8141658

FESTO



Data sheet

Feature	Value
Design structure	Sub-base valve Diaphragm valve Pilot-actuated piston poppet valve
Type of actuation	pneumatic
Sealing principle	soft
Assembly position	Any
Mounting type	with accessories
Valve function	Proportional 3/3-way valve
Mode of operation	single-acting
Operating pressure MPa	0.14 ... 0.8 MPa
Working pressure	1.4 ... 8 bar
Operating pressure	20.3 ... 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
Medium temperature	-40 ... 80 °C
Ambient temperature	-40 ... 80 °C
Standard nominal flow rate	1,240 l/min
C value	5.58 l/sbar
b value	0.214
Materials note	Conforms to RoHS
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 steel, non-corrosive
Material spring	Spring steel
Product weight	1,560 g
Corrosion resistance classification CRC	3 - High corrosion stress