

Pneumatic valve VOGM-FD100-M33E-M-F90

Part number: 8141658

FESTO



 General operating condition

Data sheet

Feature	Value
Structural design	Diaphragm valve Pilot-controlled piston poppet valve
Actuation type	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
Reset method	Mechanical spring
Pneumatic connection	Sub-base design, airing
Operating medium	Compressed air as per ISO 8573-1:2010 [7:7:-] Inert gas
Information on operating and pilot media	Operation with oil lubrication not possible
Temperature of medium	-40 °C ... 80 °C
Ambient temperature	-40 °C ... 80 °C
Normal nominal flow rate (normalized 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
Housing material	Smooth-anodized wrought aluminum alloy (20 µm)
Cover material	Smooth-anodized wrought aluminum alloy (20 µm)
Seals material	EPDM NBR
Material of screws	High-alloy stainless steel
Material of spring	Spring steel
Product weight	1560 g
Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Corrosion resistance class (CRC)	3 - High corrosion stress