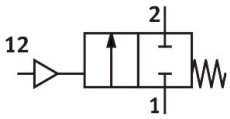
Angle seat valve
VZXF-L-M22C-M-B-N2-450-M1-V4B2T-50-3

Part number: 3540144



General operating condition

Data sheet

Feature	Value
Design	Poppet valve with piston drive
Type of actuation	Pneumatic
Sealing principle	Soft
Mounting position	Any
Type of mounting	Inline installation
Line connection	Threaded coupling 2 NPT to ANSI/ASME B 1.20.1
Nominal size	45 mm
Valve function	2/2-way, single solenoid, closed
Flow direction	Non-reversible
Medium pressure	0 MPa ... 0.3 MPa
Medium pressure	0 bar ... 3 bar
Nominal pressure PN	40
Exhaust-air function	Cannot be throttled
Type of reset	Mechanical spring
Type of piloting	Externally actuated
Pneumatic connection	Female thread G1/8
Operating pressure	0.6 MPa ... 1 MPa
Operating pressure	6 bar ... 10 bar
Operating pressure	87 psi ... 145 psi
Symbol	00991367
Medium	Vapour Mineral oil-based hydraulic fluid Inert gases Mineral oil Water Filtered compressed air, grade of filtration 200 µm Neutral fluids
Direction of flow	Below valve seat, for gaseous and liquid media
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Max. viscosity	600 mm²/s
Media temperature	-40 °C ... 200 °C
Ambient temperature	-10 °C ... 60 °C
Flow rate Kv	19.5 m³/h
Note on materials	RoHS compliant
LABS (PWIS) conformity	VDMA24364 zone III
Material process valve housing	Cast stainless steel
Material number process valve housing	1,4408

Feature	Value
Material spindle seal	PTFE
Material seat seal	PTFE
Product weight	3500 g
CE mark (see declaration of conformity)	In accordance with EU Pressure Equipment Directive
UKCA marking (see declaration of conformity)	to UK Pressure Equipment Regulations
Corrosion resistance class CRC	2 - Moderate corrosion stress
Material drive housing	Brass, nickel-plated