

# Pinch valve VZQA-C-M22U-50-TT-ALV4E-2

Part number: 8161476

FESTO



## Data sheet

Feature	Value
Structural design	Pinch valve, pneumatically operated
Actuation type	Pneumatic
Sealing principle	Soft
Mounting position	Any
Type of mounting	Line installation
Fitting connection	2 NPT
Nominal width DN	50
Valve function	2/2, open, monostable
Flow direction	Reversible
Medium pressure	0 MPa...0.2 MPa 0 bar...2 bar 0 psi...29 psi
Operating pressure	0 MPa...0.45 MPa 0 bar...4.5 bar 0 psi...65.25 psi
Nominal pressure of fitting PN	10
Differential pressure	0.25 MPa 2.5 bar 36.25 psi
Burst pressure	1.6 MPa 16 bar 232 psi
Overload pressure	0.78 MPa 7.8 bar 113.1 psi
Reset method	Rebound resilience
Type of control	Externally controlled
Auxiliary pilot air port 12	G1/8
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:1]

Feature	Value
Medium	Compressed air as per ISO 8573-1:2010 [:-:1] Water
Max. viscosity	4000 mm <sup>2</sup> /s
Temperature of medium	-5 °C...100 °C
Ambient temperature	-5 °C...60 °C
Storage temperature	5 °C...20 °C
Flow rate Kv	72 m <sup>3</sup> /h
On switching time	200 ms
Switching time off	1000 ms
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364 zone III
Suitability for the production of Li-ion batteries	Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils
Housing material	Wrought aluminum alloy
Housing cover material	Wrought aluminum alloy
Seals material	VMQ
Shut-off element material	EPDM
Product weight	2090 g
For use in the food industry	See supplementary material information
Material of bowl	Die-cast aluminum