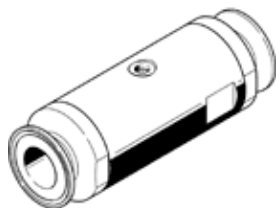


# Pinch valve

## VZQA-C-M22U-50-S5S5-ALV4E-2

Part number: 8161474

FESTO



### Data sheet

Feature	Value
Design structure	Pneumatically actuated pinch valve
Type of actuation	pneumatic
Sealing principle	soft
Assembly position	Any
Mounting type	Line installation
Process valve connection	Clamp to DIN 32676 series A
Nominal diameter DN	50
Valve function	2/2 open, monostable
Flow direction	reversible
Pressure of medium	0 ... 0.2 MPa
Medium pressure	0 ... 2 bar
Pressure of medium psi	0 ... 29 psi
Operating pressure MPa	0 ... 0.45 MPa
Working pressure	0 ... 4.5 bar
Operating pressure	0 ... 65.25 psi
Nominal pressure of process valve	10
Differential pressure (MPa)	0.25 MPa
Differential pressure	2.5 bar
Differential pressure (psi)	36.25 psi
Burst pressure	1.6 MPa
Bursting pressure	16 bar
Burst pressure	232 psi
Overload pressure	0.78 MPa 7.8 bar
Overload pressure (psi)	113.1 psi
Type of reset	Rebound resilience
Type of piloting	With external control
Auxiliary pilot air port 12	G1/8
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:1]
Medium	Compressed air to ISO 8573-1:2010 [-:~:1] Water
Max. viscosity	4,000 mm <sup>2</sup> /s
Medium temperature	-5 ... 100 °C
Ambient temperature	-5 ... 60 °C
Storage temperature	5 ... 20 °C
Flow rate Kv	72 m <sup>3</sup> /h
Switching time on	200 ms
Switching time off	1,000 ms
Materials note	Conforms to RoHS
PWIS conformity	VDMA24364 zone III
RSBP classification to CD-0033	F1a
Material housing	Wrought Aluminum alloy
Material housing cover	Wrought Aluminum alloy
Material seals	VMQ
Material shut-off element	EPDM
Product weight	2,432 g
Food-safe	See Supplementary material information
Material bowl	Aluminum die cast