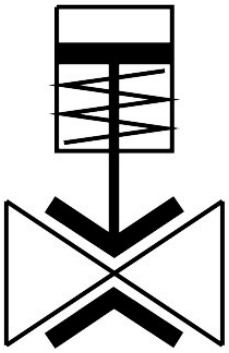
Pinch valve
VZQA-C-M22U-50-S5S5-ALV4E-2

Part number: 8161474





Data sheet

Feature	Value
Design	Pinch valve, pneumatically actuated
Type of actuation	Pneumatic
Sealing principle	Soft
Mounting position	Any
Type of mounting	Inline installation
Connection Process valve	Clamp to DIN 32676 series A
Nominal size DN	50
Valve function	2/2-way, single solenoid, open
Flow direction	Reversible
Medium pressure	0 MPa...0.2 MPa 0 bar...2 bar 0 psi...29 psi
Note on the medium pressure	Use in the vacuum range was tested up to -0.09 MPa with the air at room temperature. Depending on the application, a counter-vacuum may have to be created on the control side to guarantee the media flow.
Operating pressure	0 MPa...0.45 MPa 0 bar...4.5 bar 0 psi...65.25 psi
Nominal pressure 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
Type of reset	Rebound resilience
Type of piloting	Externally actuated

Feature	Value
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	4000 mm²/s
Media temperature	-5 °C...100 °C
Ambient temperature	-5 °C...60 °C
Storage temperature	5 °C...20 °C
Flow rate Kv	72 m³/h
Switching time on	200 ms
Switching time off	1000 ms
Note on materials	RoHS compliant
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Material housing	Wrought aluminium alloy
Material housing cover	Wrought aluminium alloy
Material seals	VMQ
Material shut-off element	EPDM
Product weight	2432 g
Suitable for use with food	See supplementary material information
Material bowl	Die-cast aluminium