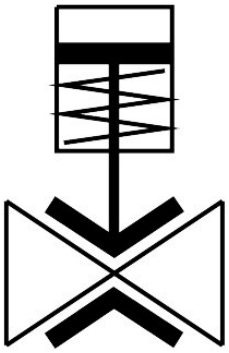
Pinch valve
VZQA-C-M22U-6-GG-V4V4S1-4

Part number: 2931683



General operating condition

Data sheet

Feature	Value
Design	Pinch valve, pneumatically actuated
Type of actuation	Pneumatic
Sealing principle	Soft
Mounting position	optional
Type of mounting	In-line installation
Connection Process valve	G1/4
Nominal size DN	6
Valve function	2/2 open, monostable
Flow direction	Reversible
Medium pressure	0 MPa ... 0.4 MPa
Medium pressure	0 bar ... 4 bar
Medium pressure	0 psi ... 58 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	0.1 MPa ... 0.65 MPa
Operating pressure	1 bar ... 6.5 bar
Operating pressure	14.5 psi ... 94.25 psi
Nominal pressure PN	10
Differential pressure	0.25 MPa
Differential pressure	2.5 bar
Differential pressure	36.25 psi
Burst pressure	1.6 MPa
Burst pressure	16 bar
Burst pressure	232 psi
Overload pressure	0.78 MPa
Overload pressure	7.8 bar
Overload pressure	113.1 psi
Type of reset	Rebound resilience
Type of piloting	Externally controlled

Feature	Value
Auxiliary pilot air port 12	M5
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Symbol	00995245
Medium	Compressed air to ISO 8573-1:2010 [-:-:-]
Max. viscosity	4000 mm²/s
Media temperature	-5 °C ... 150 °C
Ambient temperature	-5 °C ... 60 °C
Storage temperature	5 °C ... 30 °C
Flow rate Kv	0.7 m³/h
Switching time on	125 ms
Switching time off	125 ms
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364 zone III
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Material housing	High-alloy stainless steel
Material number housing	1.4404
Material housing cover	High-alloy stainless steel
Material seals	FPM
Material shut-off element	VMQ (silicone)
Product weight	157 g
Suitable for use with food	See declaration of conformity
Material bowl	PA6