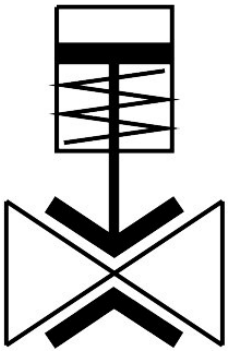
Pinch valve
VZQA-C-M22U-6-S5S5-V4V4E-4

Part number: 2931681





General operating condition

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	Clamp as per DIN 32676 series A
Nominal width 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 of fitting 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
Reset method	Rebound resilience
Type of control	Externally controlled

Feature	Value
Auxiliary pilot air port 12	M5
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:1]
Symbol	00995245
Medium	Compressed air as per ISO 8573-1:2010 [-:-:1] Water
Max. viscosity	4000 mm²/s
Temperature of medium	-5 °C ... 100 °C
Ambient temperature	-5 °C ... 60 °C
Storage temperature	5 °C ... 20 °C
Flow rate Kv	0.7 m³/h
On switching time	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)
Housing material	High-alloy stainless steel
Material number of housing	1.4404
Housing cover material	High-alloy stainless steel
Seals material	FPM
Shut-off element material	EPDM
Product weight	215 g
For use in the food industry	See supplementary material information
Material of bowl	PA6