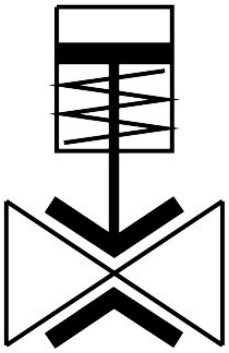
Pinch valve
VZQA-C-M22U-15-GG-ALV4N-4

Part number: 3022831





Data sheet

Feature	Value
Structural design	Pinch valve, pneumatically operated
Actuation type	Pneumatic
Sealing principle	Soft
Mounting position	Any
Type of mounting	In-line installation
Fitting connection	G1/2
Nominal width DN	15
Valve function	2/2-way, monostable, open
Flow direction	Reversible
Medium pressure	0 MPa...0.4 MPa 0 bar...4 bar 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 1 bar...6.5 bar 14.5 psi...94.25 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

Feature	Value
Auxiliary pilot air port 12	G1/8
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Medium	Compressed air as per ISO 8573-1:2010 [-:-:-]
Max. viscosity	4000 mm²/s
Temperature of medium	-5 °C...60 °C
Ambient temperature	-5 °C...60 °C
Storage temperature	5 °C...20 °C
Flow rate Kv	5 m³/h
On switching time	250 ms
Switching time off	250 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	Wrought aluminum alloy
Housing cover material	high-alloy stainless steel
Seals material	FPM
Shut-off element material	NBR
Product weight	265 g
Material of bowl	PA6