Pinch valve VZQA-C-M22U-6-GG-ALV4N-4 Part number: 2931679







General operating condition

Data sheet

| Actuation type Pneumatic Sealing principle Soft Mounting position Any Type of mounting Line installation Fitting connection G1/4 Nominal width DN 6 Valve function Pressure O MPA 0.4 MPA Medium pressure O MPA 0.4 MPA Note on the medium pressure Use in the vacuum range was tested up to -0.09 MPA with air at room temperature. Depending on the application, a counter vacuum may have to be applied on the control side to ensure the media flow. Operating pressure 1.6 MPA 0.65 MPA Operating pressure 1.45 psi 94.25 psi Notinal pressure 0.25 MPA Differential pressure 0.78 MPA D | Feature | Value |
|--|--------------------------------|--|
| Sealing principle Soft Mounting position Any Type of mounting Line installation G1/4 Nominal width DN G Walve function G1/4 Nominal width DN G Wedium pressure Operating pressure Opera | Structural design | Pinch valve, pneumatically operated |
| Mounting position Type of mounting Line installation G1/4 Nominal width DN 6 Avalve function Reversible Medium pressure O bar 4 bar Note on the medium pressure Use in the vacuum range was tested up to -0.09 MPa with air at room temperature. Depending on the application, a counter vacuum may have to be applied on the control side to ensure the media flow. ODerating pressure O 1 MPa 0.65 MPa ODerating pressure 1 1 bar 6.5 bar ODerating pressure 1 1 bar 6.5 bar ODifferential pressure O 25 MPa Differential pressure 0 1.6 MPa Burst pressure 1 1.6 MPa Burst pressure 1 1.6 MPa Burst pressure 0 232 psi Overload pressure 0 7.8 bar Overload pressure 1 13.1 psi Reset method Rebound resilience Externally controlled Auxiliary pilot air port 12 | Actuation type | Pneumatic |
| Type of mounting Line installation G1/4 Nominal width DN 6 Yalve function Caly, open, monostable Flow direction Medium pressure Medium pressure Medium pressure O par 4 bar Wedium pressure Ouerating pressure Operating pressure 1.6.5 bar Operating pressure 1.6.5 bar Operating pressure 1.6.6 MPa Differential pressure Oifferential pressure Oifferential pressure Oifferential pressure Oifferential pressure 1.6 MPa Burst pressure 1.6 MPa Burst pressure 1.6 MPa Burst pressure 1.7.8 bar Overload pressure Overload pressure Overload pressure 1.3.1 psi Reset method Rebound resilience Externally controlled Auxiliary pilot air port 12 | Sealing principle | Soft |
| Fitting connection Solid 4 Nominal width DN 6 Valve function 2/2, open, monostable Reversible Medium pressure 0 MPa 0.4 MPa Medium pressure 0 obar 4 bar Medium pressure Vote on the medium pressure Use in the vacuum range was tested up to -0.09 MPa with air at room temperature. Depending on the application, a counter vacuum may have to be applied on the control side to ensure the media flow. Operating pressure 0.1 MPa 0.65 MPa Operating pressure 1 bar 6.5 bar Operating pressure 1.6.5 psi 94.25 psi Differential pressure 0.25 MPa Differential pressure 2.5 bar Differential pressure 3.6.25 psi Burst pressure 1.6 MPa Burst pressure 1.6 MPa Burst pressure 1.6 MPa Burst pressure 1.7.8 bar Overload pressure 7.8 bar Overload pressure 1.3.1 psi Resed method Rebound resilience Externally controlled Auxiliary pilot air port 12 M5 | Mounting position | Any |
| Nominal width DN Valve function 2/2, open, monostable Reversible Reversible Medium pressure 0 bar 4 bar Medium pressure Note on the medium pressure Use in the vacuum range was tested up to -0.09 MPa with air at room temperature. Depending on the application, a counter vacuum may have to be applied on the control side to ensure the media flow. Operating pressure Operating pressure Operating pressure Operating pressure 1 bar 6.5 bar Operating pressure 1 to 3.5 psi 94.25 psi Nominal pressure Operating pressure O.25 MPa Differential pressure Differential pressure O.55 bar Differential pressure 1.6 MPa Burst pressure 1.6 MPa Burst pressure 1.6 MPa Burst pressure 0.78 MPa Overload pressure 0.78 MPa Overload pressure 113.1 psi Reset method Rebound resilience Externally controlled Auxiliary pilot air port 12 | Type of mounting | Line installation |
| Valve function 2/2, open, monostable Flow direction Reversible Medium pressure 0 MPa 0.4 MPa Medium pressure 0 Opsi 58 psi Note on the medium pressure Use in the vacuum range was tested up to -0.09 MPa with air at room temperature. Depending on the application, a counter vacuum may have to be applied on the control side to ensure the media flow. Operating pressure 0.1 MPa 0.65 MPa Operating pressure 1 to Jar 6.5 bar Opferential pressure 0.25 MPa Differential pressure 0.25 MPa Differential pressure 1.6 MPa Burst pressure 1.6 MPa Burst pressure 1.6 MPa Overload pressure 0.78 MPa Overload pressure 1.78 bar | Fitting connection | G1/4 |
| Reversible Medium pressure 0 MPa 0.4 MPa Medium pressure 0 bar 4 bar Medium pressure 0 opsi 58 psi Note on the medium pressure Use in the vacuum range was tested up to -0.09 MPa with air at room temperature. Depending on the application, a counter vacuum may have to be applied on the control side to ensure the media flow. Operating pressure 0.1 MPa 0.65 MPa Operating pressure 1 bar 6.5 bar Operating pressure 1 thar 6.5 bar Operating pressure 1 the spis 94.25 psi Nominal pressure of fitting PN 10 Oifferential pressure 2.5 bar Oifferential pressure 3.6.25 psi Burst pressure 1.6 MPa Burst pressure 1.78 MPa Overload pressure 1.78 MPa Overload pressure 1.78 bar | Nominal width DN | 6 |
| Medium pressure O MPa 0.4 MPa Medium pressure O psi 58 psi Use in the vacuum range was tested up to -0.09 MPa with air at room temperature. Depending on the application, a counter vacuum may have to be applied on the control side to ensure the media flow. Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure 14.5 psi 94.25 psi Nominal pressure of fitting PN 10 Differential pressure O.25 MPa Differential pressure Oifferential pressure 16 bar Burst pressure 16 bar Burst pressure Overload pressure Overload pressure Overload pressure 7.8 bar Overload pressure 13.1 psi Reset method Rebound resilience Externally controlled Auxiliary pilot air port 12 M5 | Valve function | 2/2, open, monostable |
| Medium pressure Medium pressure O psi 58 psi Note on the medium pressure Use in the vacuum range was tested up to -0.09 MPa with air at room temperature. Depending on the application, a counter vacuum may have to be applied on the control side to ensure the media flow. Operating pressure Operating pressure 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 36.25 psi Burst pressure 1.6 MPa Burst pressure 1.6 MPa Burst pressure 0.78 MPa Overload pressure 7.8 bar Overload pressure 113.1 psi Reset method Rebound resilience Externally controlled Auxiliary pilot air port 12 M5 | Flow direction | Reversible |
| Medium pressure Note on the medium pressure Use in the vacuum range was tested up to -0.09 MPa with air at room temperature. Depending on the application, a counter vacuum may have to be applied on the control side to ensure the media flow. Operating pressure Operating pressure 1 bar 6.5 bar Operating pressure 14.5 psi 94.25 psi Nominal 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 0.78 MPa Overload pressure 7.8 bar Overload pressure 113.1 psi Reset method Rebound resilience Externally controlled Auxiliary pilot air port 12 M5 | Medium pressure | 0 MPa 0.4 MPa |
| Use in the vacuum range was tested up to -0.09 MPa with air at room temperature. Depending on the application, a counter vacuum may have to be applied on the control side to ensure the media flow. Operating pressure Operating pressure 1 bar 6.5 bar Operating pressure 14.5 psi 94.25 psi Nominal pressure of fitting PN 10 Differential pressure 2.5 bar Differential pressure 36.25 psi Burst pressure 1.6 MPa Burst pressure 16 bar Burst pressure 37.8 bar Overload pressure 7.8 bar Overload pressure 13.1 psi Reset method Rebound resilience Type of control Auxiliary pilot air port 12 M5 | Medium pressure | 0 bar 4 bar |
| temperature. Depending on the application, a counter vacuum may have to be applied on the control side to ensure the media flow. Operating pressure 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 0.78 MPa Overload pressure 7.8 bar Overload pressure 113.1 psi Reset method Rebound resilience Externally controlled Auxiliary pilot air port 12 M5 | Medium pressure | 0 psi 58 psi |
| 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 13.1 psi Reset method Rebound resilience Type of control Externally controlled Auxiliary pilot air port 12 | Note on the medium pressure | temperature. Depending on the application, a counter vacuum may have |
| 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 Auxiliary pilot air port 12 M5 | Operating pressure | 0.1 MPa 0.65 MPa |
| Nominal pressure of fitting PN Differential pressure 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 Externally controlled Auxiliary pilot air port 12 M5 | Operating pressure | 1 bar 6.5 bar |
| Differential pressure | Operating pressure | 14.5 psi 94.25 psi |
| Differential pressure 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 Auxiliary pilot air port 12 M5 | Nominal pressure of fitting PN | 10 |
| Differential pressure 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 Auxiliary pilot air port 12 M5 | Differential pressure | 0.25 MPa |
| 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 Auxiliary pilot air port 12 M5 | Differential pressure | 2.5 bar |
| 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 Auxiliary pilot air port 12 M5 | Differential pressure | 36.25 psi |
| 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 Auxiliary pilot air port 12 M5 | Burst pressure | 1.6 MPa |
| Overload pressure 0.78 MPa Overload pressure 7.8 bar Overload pressure 113.1 psi Reset method Rebound resilience Type of control Externally controlled Auxiliary pilot air port 12 M5 | Burst pressure | 16 bar |
| Overload pressure 7.8 bar Overload pressure 113.1 psi Reset method Rebound resilience Type of control Externally controlled Auxiliary pilot air port 12 M5 | Burst pressure | 232 psi |
| Overload pressure 113.1 psi Reset method Rebound resilience Type of control Externally controlled Auxiliary pilot air port 12 M5 | Overload pressure | 0.78 MPa |
| Reset method Rebound resilience Type of control Externally controlled Auxiliary pilot air port 12 M5 | Overload pressure | 7.8 bar |
| Type of control Externally controlled Auxiliary pilot air port 12 M5 | Overload pressure | 113.1 psi |
| Auxiliary pilot air port 12 M5 | Reset method | Rebound resilience |
| 71 1 | Type of control | Externally controlled |
| Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] | Auxiliary pilot air port 12 | M5 |
| | Pilot medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |

| Feature | Value |
|--|---|
| Symbol | 00995245 |
| Medium | Compressed air as per ISO 8573-1:2010 [-:-:-] |
| Max. viscosity | 4000 mm ² /s |
| Temperature of medium | -5 ℃ 60 ℃ |
| Ambient temperature | -5 ℃ 60 ℃ |
| Storage temperature | 5 ℃ 20 ℃ |
| 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 | Metals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils |
| Housing material | Wrought aluminum alloy |
| Housing cover material | High-alloy stainless steel |
| Seals material | FPM |
| Shut-off element material | NBR |
| Product weight | 105.5 g |
| Material of bowl | PA6 |