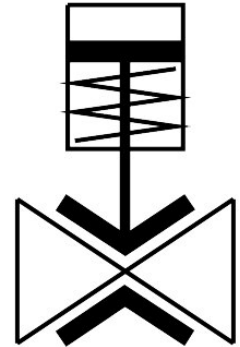


**Pinch valve**  
**VZQA-C-M22U-15-S1S1-V4V4S1-4**  
 Part number: 3022837

**FESTO**



## 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             | Clamp according to ASME-BPE Type A                                                                                                                                                                          |
| Nominal width DN               | 15                                                                                                                                                                                                          |
| Valve function                 | 2/2-way, monostable, open                                                                                                                                                                                   |
| Flow direction                 | Reversible                                                                                                                                                                                                  |
| Medium pressure                | 0 MPa...0.4 MPa<br>0 bar...4 bar<br>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<br>1 bar...6.5 bar<br>14.5 psi...94.25 psi                                                                                                                                               |
| Nominal pressure of fitting PN | 10                                                                                                                                                                                                          |
| Differential pressure          | 0.25 MPa<br>2.5 bar<br>36.25 psi                                                                                                                                                                            |
| Burst pressure                 | 1.6 MPa<br>16 bar<br>232 psi                                                                                                                                                                                |
| Overload pressure              | 0.78 MPa<br>7.8 bar<br>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 mm <sup>2</sup> /s                                            |
| Temperature of medium                              | -5 °C...150 °C                                                     |
| Ambient temperature                                | -5 °C...60 °C                                                      |
| Storage temperature                                | 5 °C...30 °C                                                       |
| Flow rate Kv                                       | 5 m <sup>3</sup> /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                                   | high-alloy stainless steel                                         |
| Material number of housing                         | 1,4404                                                             |
| Housing cover material                             | high-alloy stainless steel                                         |
| Seals material                                     | FPM                                                                |
| Shut-off element material                          | VMQ (silicone)                                                     |
| Product weight                                     | 495 g                                                              |
| For use in the food industry                       | See declaration of conformity                                      |
| Material of bowl                                   | PA6                                                                |