

venover<sup>®</sup> - 83

**OEM COMPONENT**

**venQver-83**

for the management of liquid transport  
within a hose system



**PINCH VALVE**

# TECHNOLOGY

venQver-83 is managing the liquid transport within a hose system, by interrupting the fluid flow bidirectional.

venQver-83 is especially designed for the use with temperature-sensitive fluids, which only come into contact with the hose material.

For the use of venQver-83 standard commercial silicone tubes can be used, ideally with a hardness of 50 Shore A.



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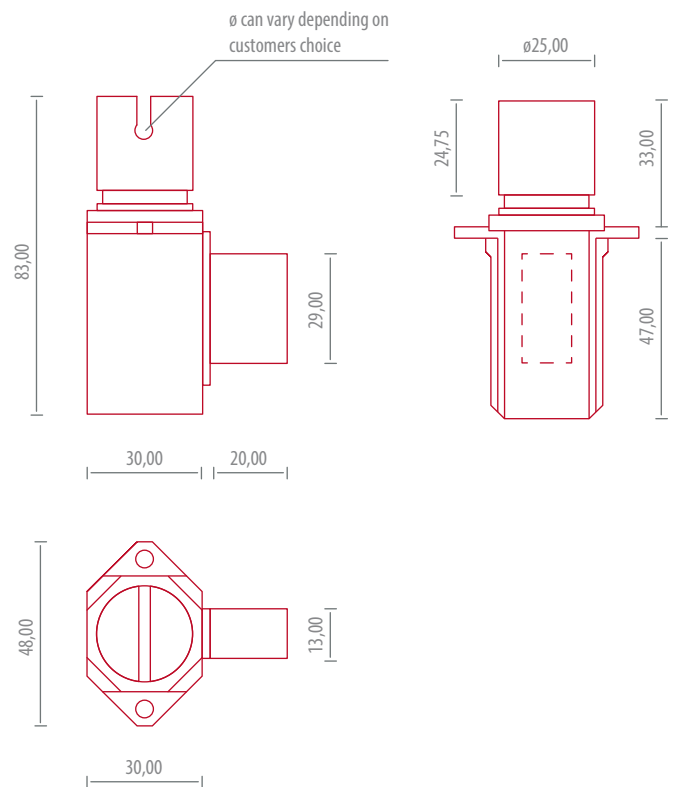
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## Material

Valve Body: Anodized Aluminum  
Squeeze Facility: Polyurethane

## Advantages

- no turbulent flows
- no temperature development
- multifunctional valve head
- possibility of frontal hose insertion
- two different sizes available



## TECHNICAL DATA

|  |  |
|--|--|
| Operating Voltage  | 4.8 - 6.0 V DC                         |
| Ambient Temperatur   | -20°C (-4°F) - 60°C (140°F)            |
| Standby Current  | 3 mA                                   |
| No-Load Current for 5V   | 115 mA                                 |
| Holding Current for 5 V  | 300 mA                                 |
| Peak Current for 5 V   | 650 mA                                 |
| Relative Duty Cycle  | 100% ED S1                             |
| Protection Class   | IP 40                                  |
| Connector Wire Length  | 250 mm                                 |
| Insulation Class F   | (140°C) / (284°F)                      |
| Connection   | IDC / IDT 4 mm 3-poles                 |
| Closing or Opening Time for 5 V without Load                   | 0,5 / 0,15 s                           |
| Closing or Opening Time for 5 V with Hose (Standard 3,0 x 4,1) | 0,5 / 0,25 s                           |
| Squeezing Force  | 17,7 N                                 |
| Control  | PWM-signal; closed 0,9 ms, open 2,1 ms |
| Frequency  | 50 Hz                                  |