FESTO

Pinch valve VZQH



Highlights

- Pinch valve with the advantages of a ball valve
- Quarter turn (90°) for quick opening and closing
- Spring-assisted closing force for durable leak-tightness without manual readjustment
- Hygienic design
- Food-safe according to Regulation (EC) No. 1935/2004 and FDA

Discover our innovative solution for manually shutting off and controlling harsh media! The pinch valve VZQH combines the advantages of a ball valve with those of a diaphragm valve: abrasive or highly viscous media can be simply shut off with a 90° turn. Thanks to its hygienic design without dead spaces, the pinch valve VZQH is suitable for applications in the food and beverage industry as well as the water treatment and semiconductor industries.

Easy to use
The ability to adjust the flow rate in 15° increment gives you full control over your processes. Operation is extremely simple: simply slide the blue locking element backwards when the lever is in the appropriate position and latches into place. This ensures a continuous and reproducible media flow. Both the intermediate positions and the fully open or closed position can be additionally secured with a lock if required; this prevents any unintentional actuation. The simple and durable design guarantees reliable and effective use.

High-quality materials for maximum flexibility
In addition, the replaceable cartridges and diaphragms are made of high-quality materials such as silicone and EPDM. The silicone diaphragms and stainless-steel clamp connections not only guarantee it is food-safe according to Regulation (EC) No. 1935/2004 and FDA and FDA, but also allow it to be flexibly customised to your individual system requirements.

Additional information:

Product page
> www.festo.com/catalogue/vzqh

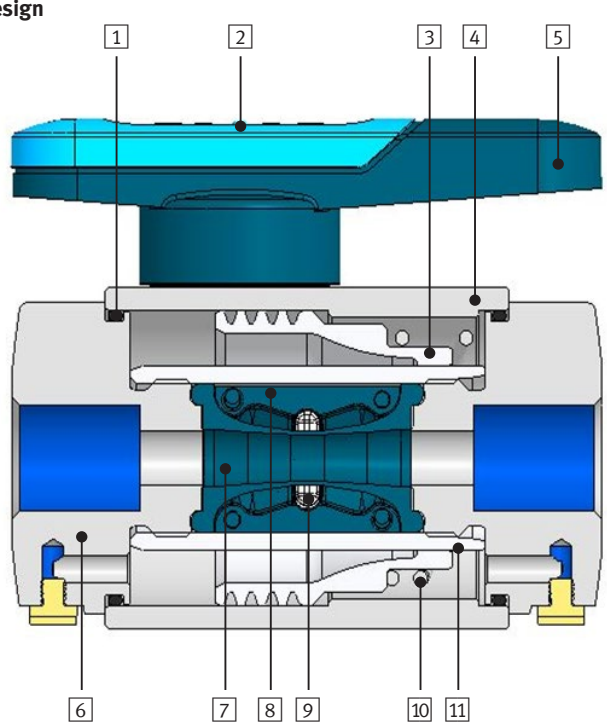
Further benefits and new opportunities

Flexibly combinable connections
The modular threaded and clamp connection can be combined as required to facilitate integration into your existing pipework.

Easy to service
The unique cartridge concept enables the shut-off component to be replaced quickly and very easily.

Operating mode
The valve is in the normal position and is closed when the lever is positioned at 90° to the centre axis. The locking or closing force is applied by a spring and transferred to the sleeve compressor via a diverter. The initial state (NC) is restored automatically after the lever is released.

Design



1 O-ring
2 Locking element
3 Diverter
4 Valve housing
5 Hand lever
6 Cover
7 Shut-off component
8 Cassette
9 Sleeve compressor
10 Spring
11 Guide tube

Technical data

Nominal width DN		6
Actuation type		Manual
Valve function		2/2-way, closed, monostable
Reset method		Mechanical spring
Media pressure		0 … 6 bar
Material	Housing cover	High-alloy stainless steel
	Seals	EPM, HNBR
	Shut-off components	EPDM, VMQ (silicone)