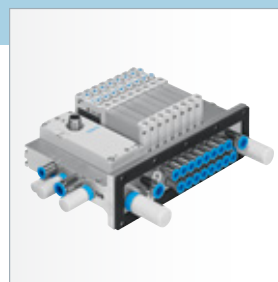


**Process automation solutions...**

**FESTO**



**...for the food and beverage industry**



# Actuated Ball Valves and Butterfly Valves

Excellent shut-off solutions for extremely wide range of media in food production processes.

## Alternative to positioner

### For optical position indication

- For automated or manually actuated process valves



Positioner  
CMSX

## Optional variants for DFPD

- Corrosion resistant version with epoxy coating and high grade stainless steel shaft
- Extreme temperature versions



Quarter turn  
actuator DFPD

## Alternative

### Quarter turn actuator DAPS-CR

- All stainless steel design for extreme environments



Fully assembled and ready-to-install solution



Butterfly  
Valve VZAZ

## Butterfly Valve - VZAV

- Multiple seat/disc material combinations for tailored solution
- Various food grade options (FDA approved materials)
- Polished stainless steel disc



## Alternative

### Manually actuated option



## Ball Valve - VZBD



- Full bore, 3A sanitary solution
- 316L stainless steel
- PTFE cavity filler as standard
- Butt weld and Tri-clamp ends
- Internally polished to Ra 0.4µm

## Butterfly Valve - VZAF



- Stainless steel body optional
- FDA approved with PTFE seat and PFA coated disc

## Hygienic Ball & Butterfly Valves



- Hygienic polish surface finish
- 316L stainless steel body
- FDA compliant materials
- EPM, FPM and Silicone seat materials
- Weld and clamp connections

## Hygienic Solution



- Stainless steel valve and stainless steel actuator
- Completed wetted parts conform with FDA 117.2600
- Optional sensors for feedback



Food grade options e.g. for powder handling



Sanitary and hygienic options



## Completely automated process valves from a single supplier

Fully automated process valves from a single source make planning, procurement and commissioning significantly easier and more cost effective. It eliminates a considerable amount of product configuration, reduces warehousing costs for spare parts, and speeds up service and maintenance.

## Pinch Valves - VZQA

Controls granulates, liquids containing solid particles and highly viscous and abrasive media.

### VZQA at a glance:

- Clean design for wash-down
- Modular, interchangeable component parts
- Stainless steel version is corrosion resistant
- Direct air supply connection – no quarter turn actuator required
- The internal sealing cartridge sleeve is easy to replace without special tools
- Available in functions NC (normally closed), NO (normally open) variants

Find out more:

→ [www.festo.com/vzqa](http://www.festo.com/vzqa)



Full cross-section can be used in the filling process



### Material options

#### End cap

- Aluminum
- Stainless steel
- POM (Acetal)

#### Sealing cartridge

- EPDM
- NBR
- Silicone



Normally closed version

## Stainless Steel Filter Regulators - PCRP

Ideal for outdoor applications, as well as any environments requiring a high level of corrosion resistance.

### PCRP at a glance:

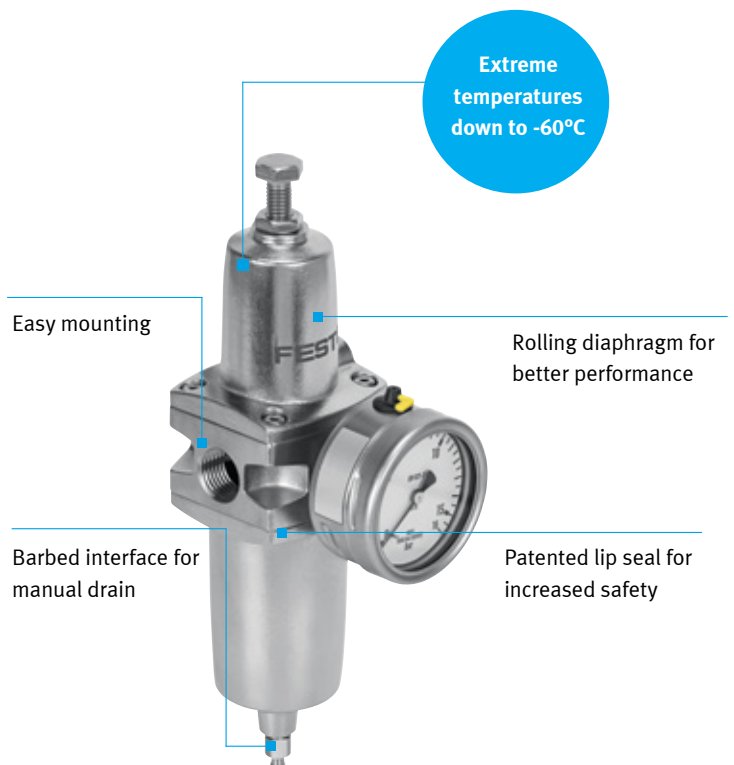
- Complete stainless steel design
- Temperature range from -60°C to +80°C
- Flow rates up to 4,115 l/min
- UV-resistant
- Reliable manual drain
- Suitable for hazardous locations (ATEX)

Find out more:

→ [www.festo.com/pcrp](http://www.festo.com/pcrp)



Manufacturing of Aluminum Chloride



## Plug-In Valve Terminal - VTUG

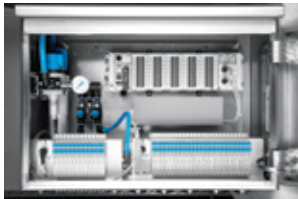
A compact valve terminal that provides an optimized footprint/flow ratio at a great price.

### VTUG at a glance:

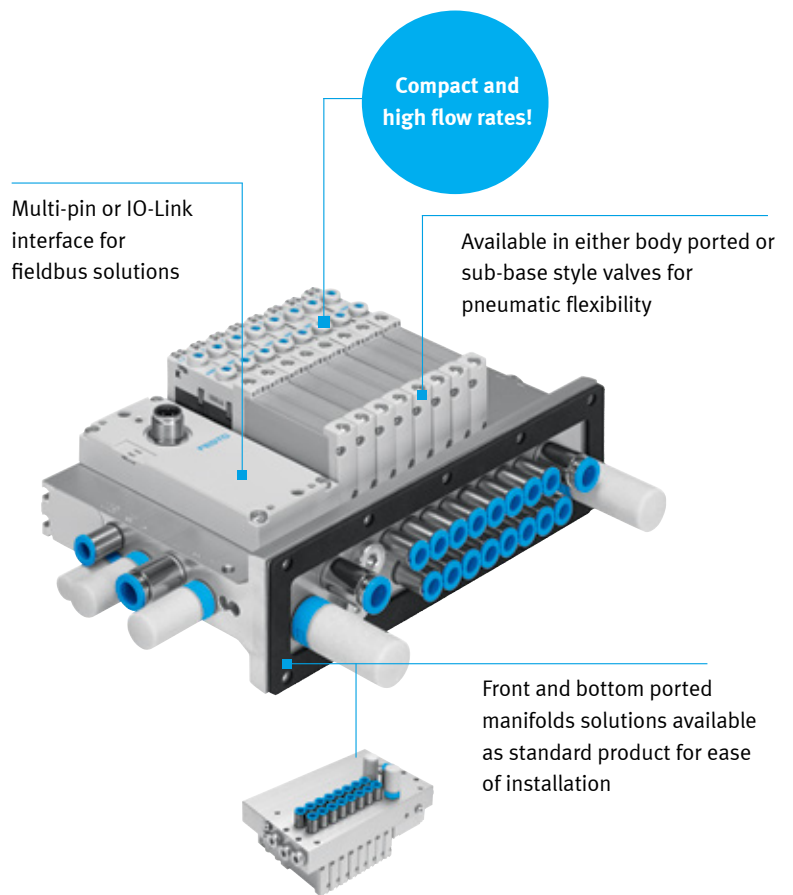
- Low-cost fixed grid
- Optional hot-swap plates
- 24 VDC multi-pin or Fieldbus options
- IO-Link® capable
- Pneumatic valves VUVG with individual electrical connection can be integrated
- Optional control cabinet mounting with UL certified NEMA 4X interface
- Up to 24 positions for up to 48 valves using dual 3/2

Find out more:

→ [www.festo.com/vtug](http://www.festo.com/vtug)



VTUG in a control cabinet



## Valve Terminal - MPA-C

Ideal for any clean design environment, the MPA-C is a one of a kind valve terminal with the highest degree of immersion protection IP69K.

### MPA-C at a glance:

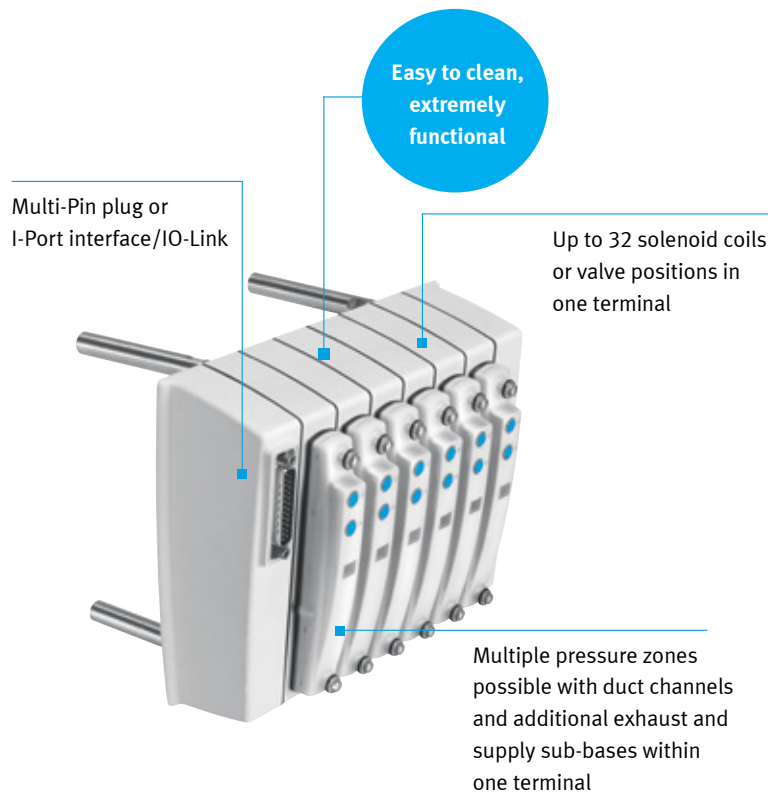
- Clean design, FDA-compliant materials and NSF-H1 lubrication
- IP69K with redundant sealing system
- Single modular sub-bases: easy to retrofit without additional vacant positions
- Check valves available as an option to prevent air build up for safety

Find out more:

→ [www.festo.com/mpa-c](http://www.festo.com/mpa-c)



Clean design



Festo North America

[www.festo.com/pa](http://www.festo.com/pa)