

SPECIAL-BALL-VALVE  
**TYPE C**

**CAVITY FREE  
BOTTOM OUTLET  
C-VALVE**

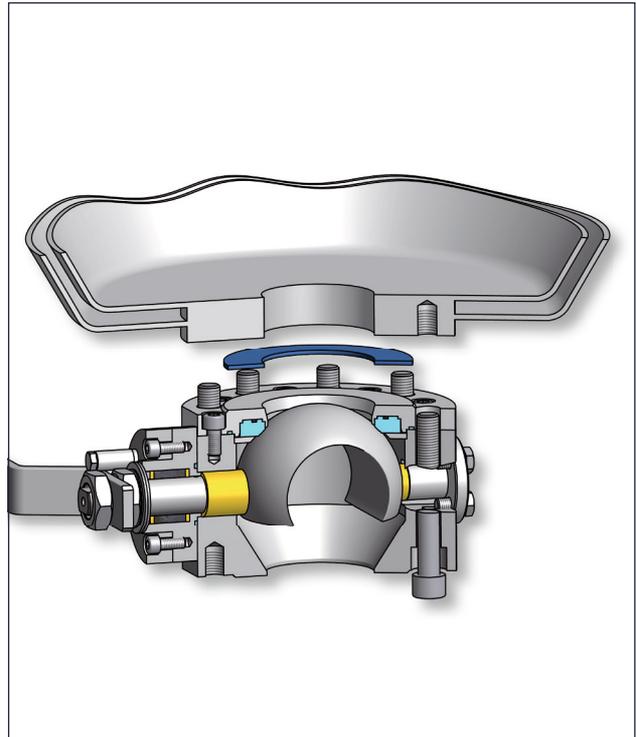
- > Special individual manufacturing
- > Exotic materials
- > Short lead times

DN 25 to DN 100  
Class 150  
Temperature range -50 °C to +400 °C



Results.  
No experiments.

# CAVITY FREE BOTTOM OUTLET C-VALVE



## Applicable to:

Gaseous media, fluid, emulsion, syrup, paste etc.

## Operating conditions:

max. 400°C, Class 150, suitable for vacuum service exceeding parameters on request.

## Design:

Absolutely cavity free, trunnion mounted ball (centric or eccentric) one-sided sealing system, full port, no welding seams, short installation length.

## Additional:

Heating jacket, stem extension, flushing connections, antistatic- device, sealing material acc. to FDA-Conformity, wetted parts polished

## Material:

316Ti, 316L

## Special Material:

Alloy 904L, 318LN, alloy 22, alloy 59, alloy c-4, titanium, zirconium etc.

## Ball sealing material:

PTFE, PTFE/GF, TFM, PEEK, metallic sealing system

## O-Ring:

Viton, EPDM, FEP-Viton, FEP-Silicone, Kalrez etc.

## Stem sealing:

acc. to TA-Luft, PTFE or Graphite

## Springs:

316Ti, alloy c-4

## Connections:

Clamp acc. to ASME

Flange acc. to ASME B16.5

Weld end acc. to ASME

Thread acc. to ASME

## Tightness

acc. to EN 12266-1 Leak rate A; API598

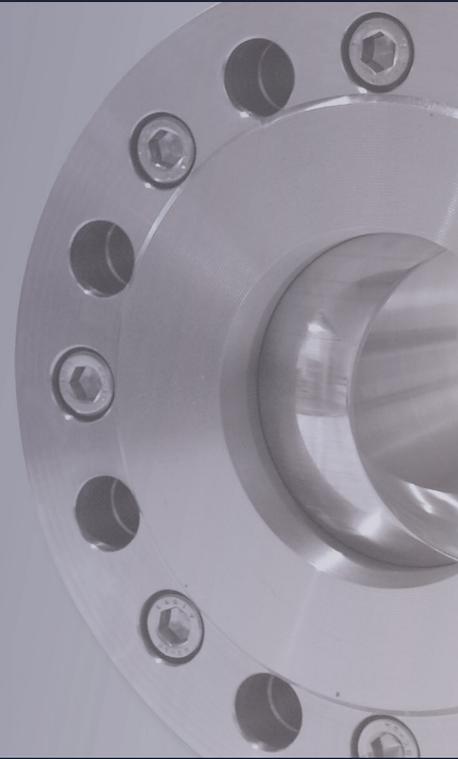
## Actuator mounting flange

acc. to ISO5211



# ADVANTAGES

- ▶ Short installation length
- ▶ Completely cavity free between ball and housing
- ▶ Free product passageway
- ▶ Approximately same torque at different temperatures
- ▶ Special design sizes
- ▶ Short delivery time of customized ball valves and spare parts



**Results.**  
**No experiments.**