

# FLANGED BALL VALVE

Type FG

## Advantages

Cost-effective automation and  
safe connection

Low pressure loss

Face-to-face dimension  
EN 558 line 27 (DIN 3202-F4)  
EN 558 line 1 (DIN 3202F1)

High quality guarantees high security

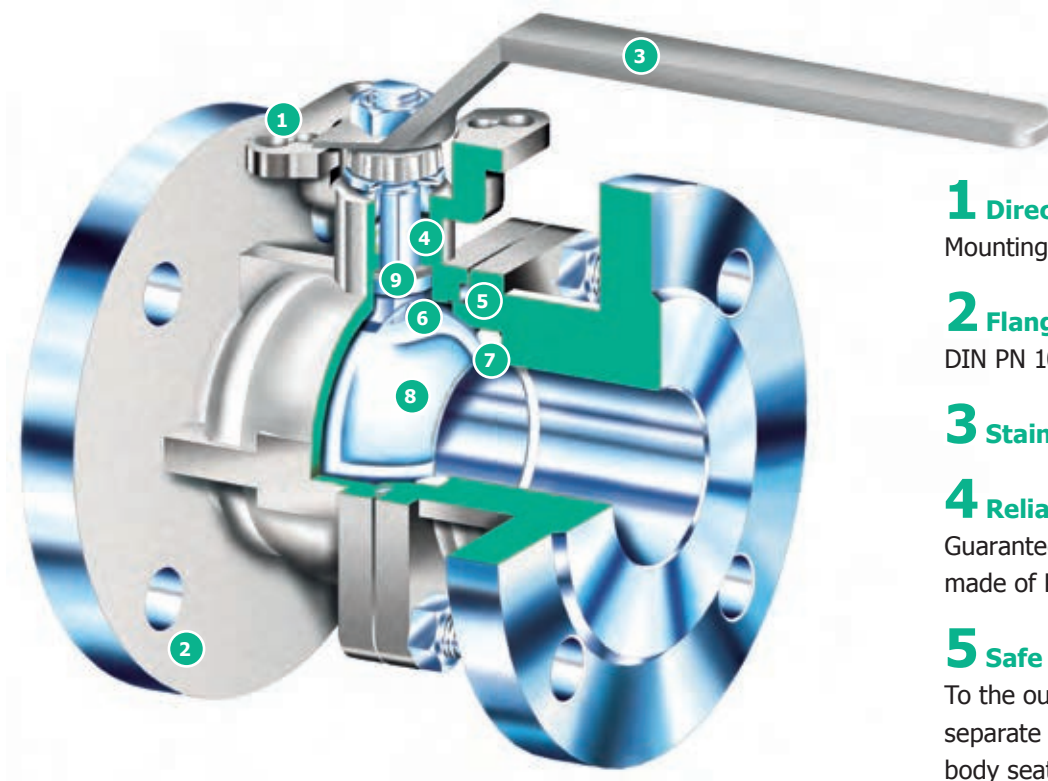
Tests and certificates confirm the  
high quality of the ball valve



# TECHNICAL FEATURES

Flanged ball valve | type FG

Two-piece stainless steel ball valve – ideally and cost-effectively prepared for automation according to your requirements



## **1 Direct mounting**

Mounting 4 flange EN ISO 5211

## **2 Flange connection**

DIN PN 10/ PN 40

## **3 Stainless steel hand lever**

## **4 Reliable stem sealing**

Guaranteed by spring-loaded V-rings made of PTFE.

## **5 Safe sealing**

To the outside guaranteed by the separate and fully encapsulated body seat.

## **6 Antistatic design**

Standard feature.

## **7 Seat rings**

Materials: PTFE/glass, PTFE/carbon, PTFE, PEEK, UHMWPE, POM, PVDF.

## **8 Super-polished ball surface**

Extremely precise contour (roundness).

## **9 Anti-blowout stem**

Inserted from the inside.

# THE TYPES

Flanged ball valve | type FG



## Type FG DN 15 – 100

Flanged ball valve  
PN 10 – 40

### Technical data

Two-piece ball valve for installation between flanges according to DIN EN 1092, pressure class depending on the nominal size up to PN 40, floating ball, vacuum-tight.

### Face-to-face dimension

EN 558 line 27 (DIN 3202-F4)

EN 558 line 1 (DIN 3202F1)

### Mounting flange

DIN EN ISO 5211

### Test

DIN EN 12266 P10, P11, P12

Leakage rate A



## Type FG DN 150

Flanged ball valve  
PN 16

### Technical data

Two-piece ball valve for installation between flanges according to DIN EN 1092, pressure class PN 16, floating ball, vacuum-tight.

### Mounting flange

DIN EN ISO 5211

### Test

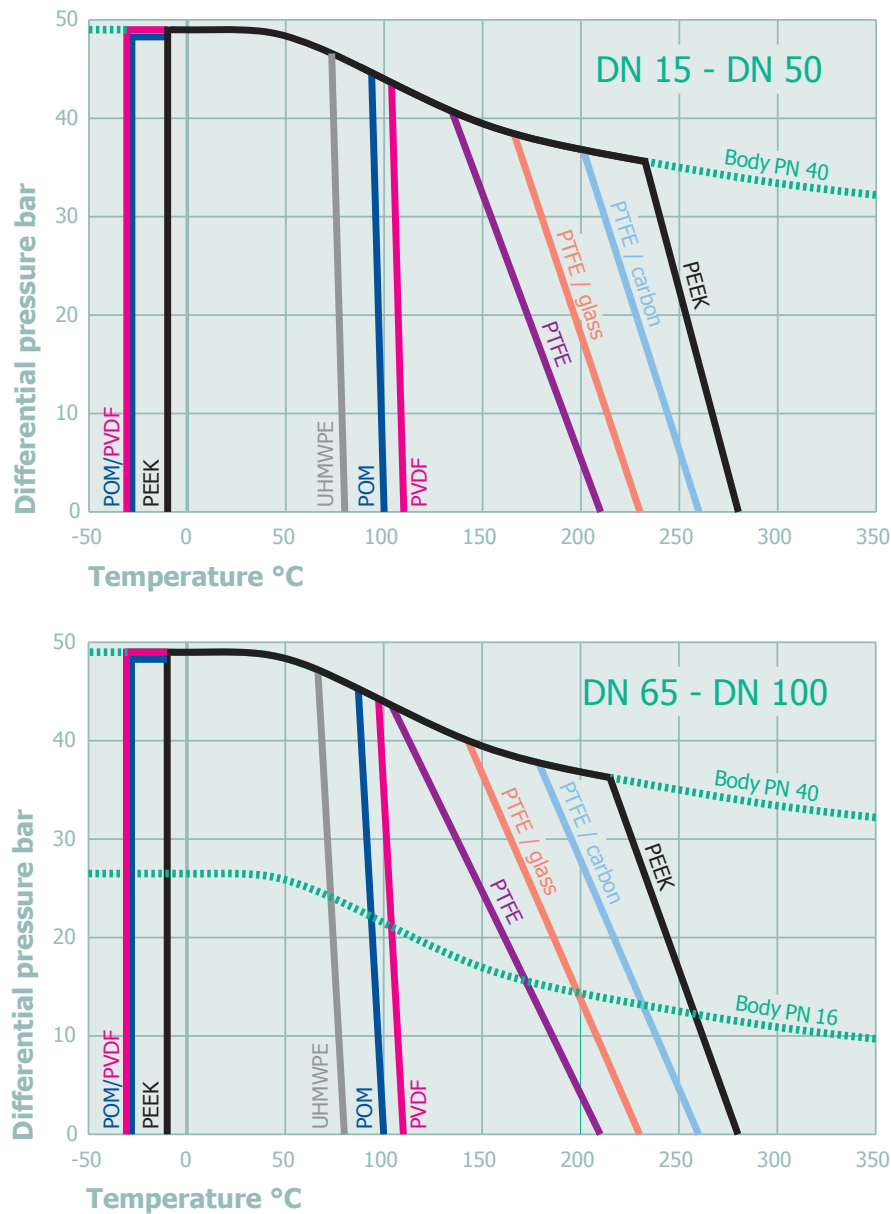
DIN EN 12266 P10, P11, P12

Leakage rate A

# TECHNICAL DATA

Flanged ball valve | type FG

## Pressure and temperature range diagram



All pressure and temperature specifications are maximum application limits, which are influenced by the interaction of all application factors. Therefore, without technical design and without our confirmation, the specifications are without commitment.

## Available materials

| Designation | Material<br>DN15–100 (PN10/PN40)<br>FG 6666                        |
|-------------|--|
| Body        | 1.4408   |
| Ball        | 1.4408   |
| Stem        | 1.4542 (17-4PH)  |
| Body ring   | 1.4401/graphite  |
| Seat rings  | PTFE<br>PTFE/glass<br>PTFE/carbon<br>PEEK<br>UHMWPE<br>POM<br>PVDF |

| Designation | Material<br>DN15–100 (PN10/PN40)<br>FG 6666 T |
|-------------|---|
| Body        | 1.4408  |
| Ball        | 1.4408  |
| Stem        | 1.4542 (17-4PH)                               |
| Body ring   | 1.4401/graphite                               |
| Seat rings  | PTFE  |

| Designation | Material<br>DN150 (PN16)<br>FG 6666 |
|-------------|-------------------------------------|
| Body        | 1.4408                              |
| Ball        | 1.4408/1.4401                       |
| Stem        | 1.4401                              |
| Body ring   | 1.4401/graphite                     |
| Seat rings  | PTFE<br>PTFE/glass                  |