

Flansch - Kugelhähne aus Edelstahl

Flange - ball valves in stainless steel

Baureihe
168 E

voller Durchgang, full port design DN65 - DN 300 PN 16
voller Durchgang, full port design DN15 - DN 100 PN 40



DN 32 - DN100 (PN40)
DN 65 - DN 300 (PN16)



Konstruktions-Merkmale

Bauart:

- zweiteiliges Gehäuse, mit Mittelflansch
- voller Durchgang
- gekammerte Dichtung
- Antistatikausführung
- ausblassichere Schaltwelle
- abschließbar
- DN250 und DN300 Hohlkugel
- silikonfrei

Aufbauten:

- Montageflansch nach DIN ISO 5211
- lieferbar mit pneumatischem oder elektrischem Drehantrieb
- mit Handgetriebe ab DN150 möglich
DN250 und DN300 nur mit Handgetriebe

Abmessungen:

- Flanschanschlußmaße nach EN 1092-1
PN16/PN40
ANSI Flansch auf Anfrage
- Baulänge nach EN 558-1 Reihe 27
DN 15 - DN 100 = F4 (DIN 3202)
DN 125 - DN 300 = F5 (DIN 3202)

Temperaturbereich

-20° C bis +180° C
(abhängig vom Betriebsdruck)

Verwendung:

Öle, Druckluft, Wasser, Lösungsmittel,
Laugen, schwache Säuren, aggressive
Medien, kritische Medien auf Anfrage

Design features

design:

- two-piece ball valve, „middle flange design“
- full port design
- covered ball seal
- antistatic-device
- blow out proof stem design
- lockable
- DN250 and DN300 hollow ball
- free of silicone

mounting:

- mounting flange acc. to DIN ISO 5211
- available with electric or pneumatic actuators
- DN150 and DN200 optional gear operation
DN250 and DN300 standard gear operation

dimensions:

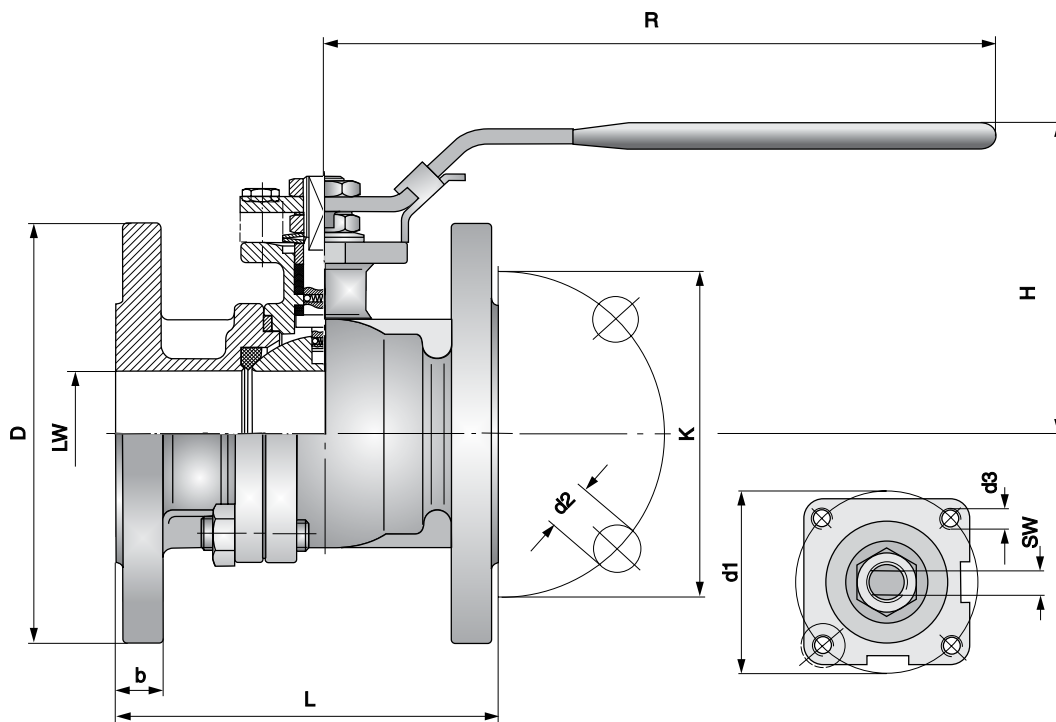
- flange-ball-valves, acc. to EN 1092-1
PN16/PN40
ANSI flange on request
- length of complete valve acc. to EN 558 line 27
DN 15 - DN 100 = F4 (DIN 3202)
DN 125 - DN 300 = F5 (DIN 3202)

working temperature:

-20° C to +180° C
(depending on working pressure)

suitable for:

oils, compressed air, water, solvents,
lyes, low acids, aggressive mediums,
critical mediums on request

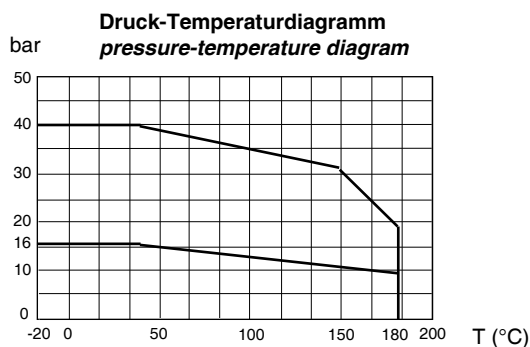


Material

Gehäuse: Edelstahl 1.4408
 Gehäusedichtung: Graphit Edelstahl, gekammert
 Kugel: Edelstahl 1.4408
 Kugeldichtung: PTFE (gekammert)
 Schaltwelle: Edelstahl 1.4401
 Schaltwellendichtung: Dachmanschetten-Dichtung aus PTFE, Tellerfeder vorgespannt bis DN 100

materials

body: stainless steel 1.4408
 body seal: stainless steel covered graphite
 ball: stainless steel 1.4408
 ball seal: PTFE (covered)
 stem: stainless steel 1.4401
 stem packing: PTFE packing with plate spring, forced up to DN 100



z = Anzahl der Flanschlöcher, number of flanges holes

Maße in mm, dimensions in mm

| DN | LW | L | SW | H | R | Montageflansch mounting flange DIN ISO 5211 bzw. DIN 3337 | d1 | d3 | PN 16 | | | | | PN 40 | | | | | Gewicht weight ~kg PN 16 | Gewicht weight ~kg PN 40 | Bestell-Nr. ordering-no PN 16 | Bestell-Nr. ordering-no PN 40 |
|-----|-----|-----|------|-----|-----|--|-----|-----|-------|-----|-----|-----|-----|-------|---|----|-----|----|-----------------------------------|-----------------------------------|-------------------------------------|-------------------------------------|
| | | | | | | | | | D | z | d2 | K | b | D | z | d2 | K | b | | | | |
| 15 | 15 | 115 | 6,5 | 66 | 165 | F 04 | 42 | M 5 | --- | --- | --- | --- | --- | 95 | 4 | 14 | 65 | 16 | --- | 2,400 | --- | 168E-15-16/40 |
| 20 | 20 | 120 | 6,5 | 74 | 165 | F 04 | 42 | M 5 | --- | --- | --- | --- | --- | 105 | 4 | 14 | 75 | 18 | --- | 3,100 | --- | 168E-20-16/40 |
| 25 | 25 | 125 | 8,0 | 87 | 200 | F 05 | 50 | M 6 | --- | --- | --- | --- | --- | 115 | 4 | 14 | 85 | 18 | --- | 4,120 | --- | 168E-25-16/40 |
| 32 | 32 | 130 | 8,0 | 92 | 200 | F 05 | 50 | M 6 | --- | --- | --- | --- | --- | 140 | 4 | 18 | 100 | 18 | --- | 5,600 | --- | 168E-32-16/40 |
| 40 | 38 | 140 | 9,5 | 105 | 250 | F 07 | 70 | M 8 | --- | --- | --- | --- | --- | 150 | 4 | 18 | 110 | 18 | --- | 7,000 | --- | 168E-40-16/40 |
| 50 | 50 | 150 | 9,5 | 115 | 270 | F 07 | 70 | M 8 | --- | --- | --- | --- | --- | 165 | 4 | 18 | 125 | 20 | --- | 9,680 | --- | 168E-50-16/40 |
| 65 | 64 | 170 | 17,0 | 152 | 390 | F 10 | 102 | M10 | 185 | 4 | 18 | 145 | 18 | 185 | 8 | 18 | 145 | 22 | 13,920 | 15,260 | 168E -65-16 | 168E -65-40 |
| 80 | 76 | 180 | 17,0 | 162 | 390 | F 10 | 102 | M10 | 200 | 8 | 18 | 160 | 20 | 200 | 8 | 18 | 160 | 24 | 17,580 | 19,260 | 168E -80-16 | 168E -80-40 |
| 100 | 100 | 190 | 17,0 | 179 | 390 | F 10 | 102 | M10 | 220 | 8 | 18 | 180 | 20 | 235 | 8 | 22 | 190 | 24 | 23,580 | 27,310 | 168E-100-16 | 168E-100-40 |
| 125 | 125 | 325 | 23,0 | 212 | 630 | F 12 | 125 | M12 | 250 | 8 | 18 | 210 | 22 | | | | | | 61,700 | | 168E-125-16 | |
| 150 | 150 | 350 | 23,0 | 231 | 630 | F 12 | 125 | M12 | 285 | 8 | 22 | 240 | 22 | | | | | | 72,500 | | 168E-150-16 | |
| 200 | 200 | 400 | 23,0 | 278 | 950 | F 12 | 125 | M12 | 340 | 12 | 22 | 295 | 24 | | | | | | 100,500 | | 168E-200-16 | |
| 250 | 250 | 450 | 35,0 | | | F 14 | 140 | M16 | 405 | 12 | 26 | 355 | 26 | | | | | | 158,150 | | 168E-250-16 | |
| 300 | 300 | 500 | 35,0 | | | F 14 | 140 | M16 | 460 | 12 | 26 | 410 | 28 | | | | | | 213,150 | | 168E-300-16 | |