

## Flange ball valve stainless steel type FK06



### description:

Flange - ball valve made of stainless steel to shut off pipeline systems. Ideal for machinery and plant engineering.

### features:

- Suitable for neutral and not neutral **liquid and gaseous media**
- antistatic device
- covered ball seal
- blow out proof stem design
- mounting flange acc. to DIN ISO 5211
- 97/23/CE - CE 0035 Risk Cat. II Modul D1
- Design acc. to EN 12516-1

### connection:

DN15 – DN150

### construction:

full port design

### pressure:

0 – 40 bar (depending on design)

### design:

#### ball:

two-piece ball valve full port design

#### ball seal:

stainless steel 1.4401 / F316

#### temperature:

PTFE (covered)

#### pressure:

-10°C to +180°C (depending on working pressure)

#### lever:

PN16 / PN40

#### flange connection:

stainless steel with plastic cover

EN 1092-1 PN16 R.F. type **FK06**

### length:

ASME B16.5 ANSI 150 R.F. type **FK0601**

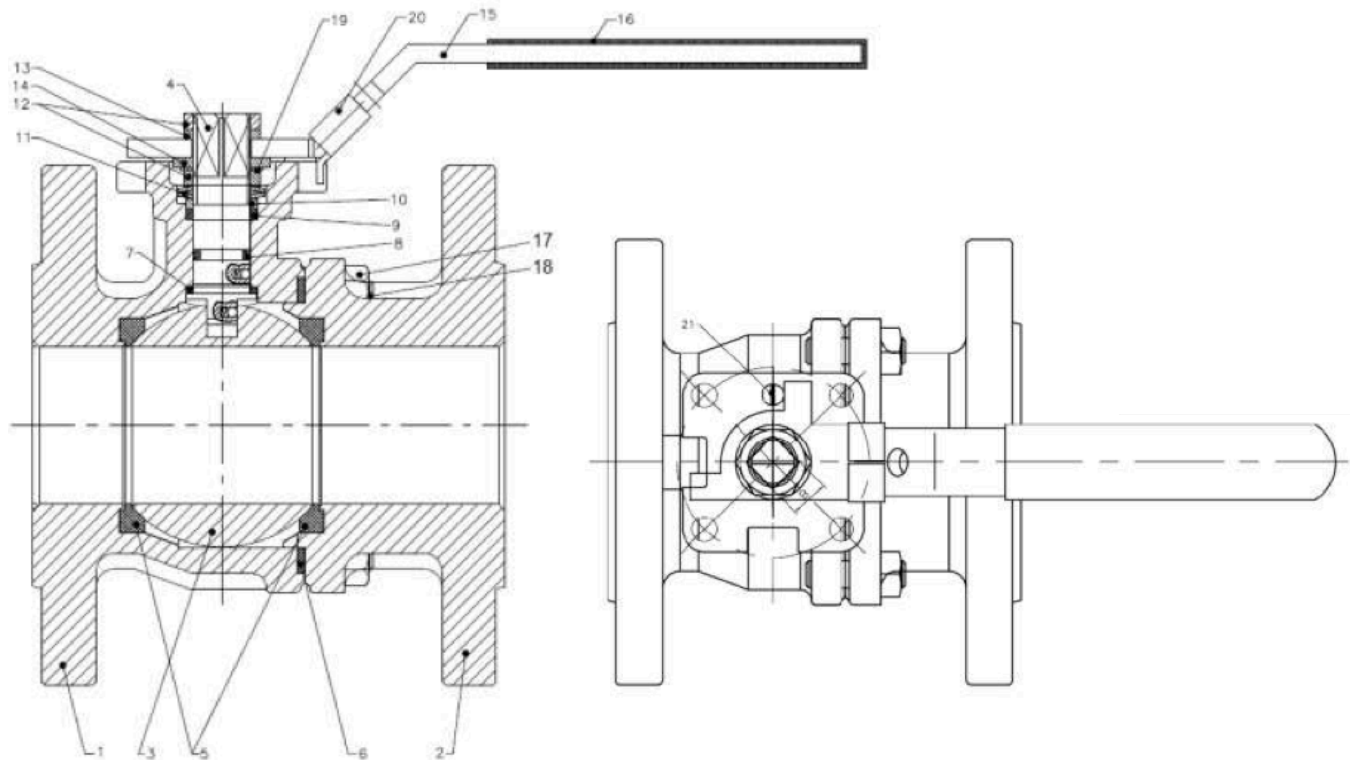
DIN EN 558-1 R 27 type **FK06**

ASME B16.10 type **FK0601**

### certification:

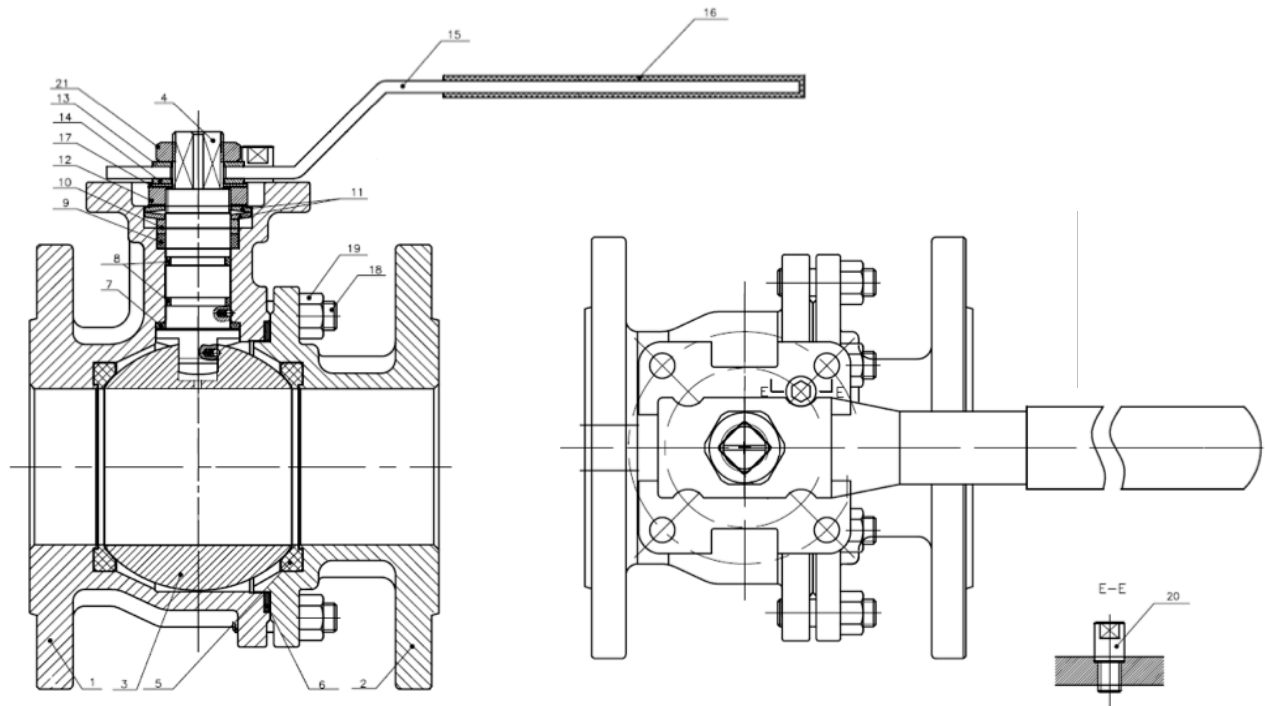
ISO 9001: 2015, 2014/68/EU: CE N° 0035 Risk Category II module D1

## Materials DN15 – DN50:



| item | designation                   | materials                                    |
|------|-------------------------------|----------------------------------------------|
| 1    | body                          | stainless steel 1.4408 / CF8M                |
| 2    | body                          | stainless steel 1.4408 / CF8M                |
| 3    | ball                          | stainless steel 1.4401 / AISI 316            |
| 4    | stem                          | stainless steel 1.4401 / AISI 316            |
| 5    | seat                          | PTFE filled with 15% glass fiber             |
| 6    | body gasket from DN15 to DN32 | PTFE filled with 15% graphite                |
| 6    | body gasket from DN40 to DN50 | stainless steel 1.4350 / AISI 304 + graphite |
| 7    | thrust washer                 | PTFE filled with 15% graphite                |
| 8    | O ring                        | FKM                                          |
| 9    | packing                       | PTFE                                         |
| 10   | gland                         | stainless steel 1.4350 / AISI 304            |
| 11   | elastic ring                  | stainless steel 1.4310 / AISI 301            |
| 12   | nut                           | stainless steel 1.4350 / AISI 304            |
| 13   | washer                        | stainless steel 1.4350 / AISI 304            |
| 14   | washer                        | stainless steel 1.4350 / AISI 304            |
| 15   | handle                        | stainless steel 1.4350 / AISI 304            |
| 16   | handle cover                  | plastic                                      |
| 17   | nut                           | stainless steel 1.4350 / AISI 304            |
| 18   | stud bolt                     | stainless steel 1.4350 / AISI 304            |
| 19   | spring washer                 | stainless steel 1.4350 / AISI 304            |
| 20   | locking device                | stainless steel 1.4350 / AISI 304            |
| 21   | stopper                       | stainless steel 1.4350 / AISI 304            |

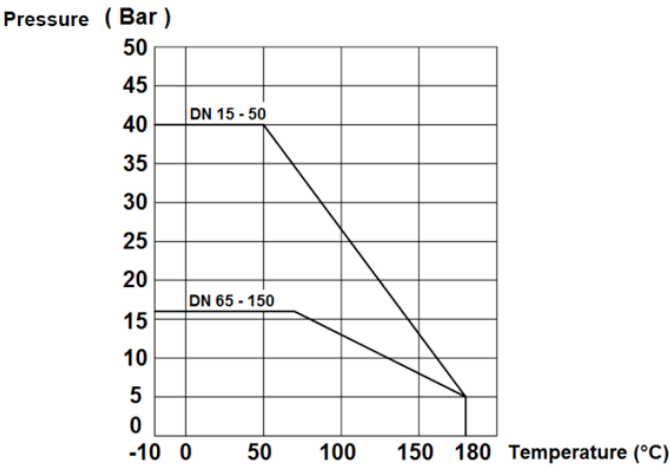
## Materials DN65 – DN100:



| item | designation   | materials                                    |
|------|---------------|----------------------------------------------|
| 1    | body          | stainless steel 1.4408 / CF8M                |
| 2    | body          | stainless steel 1.4408 / CF8M                |
| 3    | ball          | stainless steel 1.4401 / AISI 316            |
| 4    | stem          | stainless steel 1.4401 / AISI 316            |
| 5    | seat          | PTFE filled with 15% glass fiber             |
| 6    | body gasket   | stainless steel 1.4350 / AISI 304 + graphite |
| 7    | thrust washer | PTFE filled with 15% graphite                |
| 8    | O ring        | FKM                                          |
| 9    | packing       | PTFE                                         |
| 10   | gland         | stainless steel 1.4350 / AISI 304            |
| 11   | elastic ring  | stainless steel 1.4310 / AISI 301            |
| 12   | nut           | stainless steel 1.4350 / AISI 304            |
| 13   | washer        | stainless steel 1.4350 / AISI 304            |
| 14   | washer        | stainless steel 1.4350 / AISI 304            |
| 15   | handle        | stainless steel 1.4350 / AISI 304            |
| 16   | handle cover  | plastic                                      |
| 17   | spring washer | stainless steel 1.4350 / AISI 304            |
| 18   | stud bolt     | stainless steel 1.4350 / AISI 304            |
| 19   | nut           | stainless steel 1.4350 / AISI 304            |
| 20   | stopper       | stainless steel 1.4350 / AISI 304            |
| 21   | handle nut    | stainless steel 1.4350 / AISI 304            |

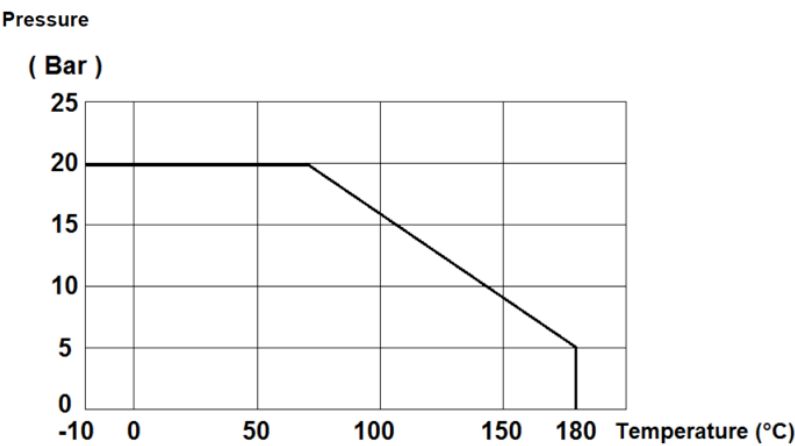
pressure-temperature diagram:

FK06



| DN  | torque |
|-----|--------|
| 15  | 6      |
| 20  | 8      |
| 25  | 10     |
| 32  | 14     |
| 40  | 20     |
| 50  | 30     |
| 65  | 36     |
| 80  | 60     |
| 100 | 95     |
| 125 | 150    |
| 150 | 210    |

FK0601

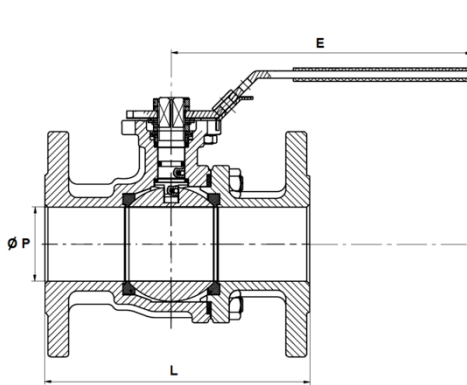


| DN  | NPS    | torque |
|-----|--------|--------|
| 15  | 1/2"   | 6      |
| 20  | 3/4"   | 8      |
| 25  | 1"     | 10     |
| 32  | 1 1/4" | 14     |
| 40  | 1 1/2" | 20     |
| 50  | 2"     | 30     |
| 65  | 2 1/2" | 36     |
| 80  | 3"     | 60     |
| 100 | 4"     | 95     |
| 150 | 6"     | 210    |

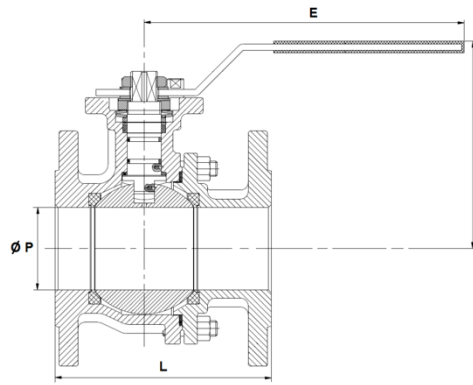
PN16/PN40

ANSI150

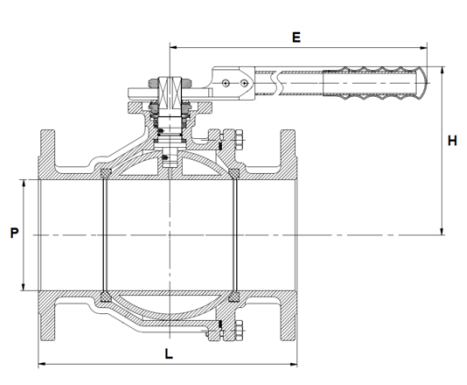
dimensions:



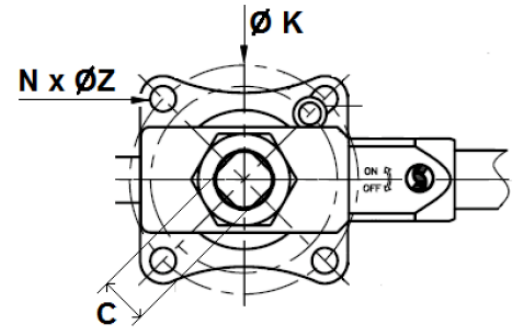
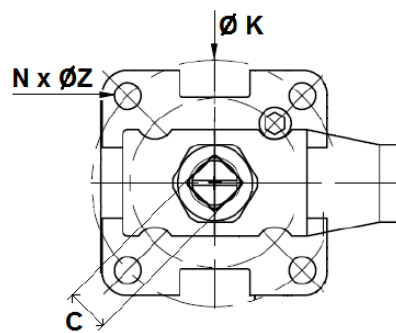
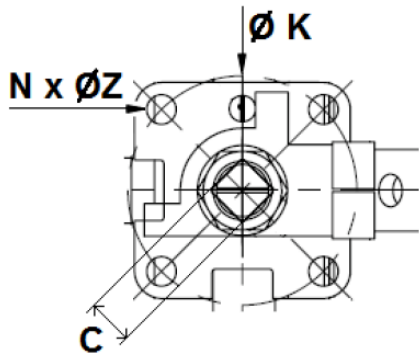
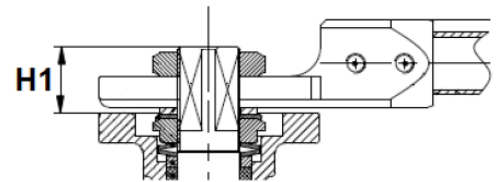
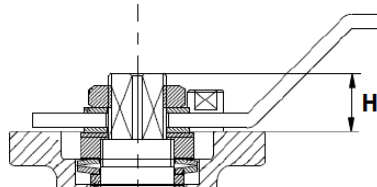
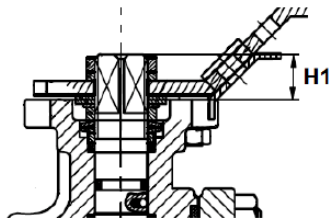
DN15-50



DN65-100



DN125-150



PN16/40

PN16/40 & ANSI150

ANSI150

| DN  | ØP  | L   | E     | H    | H1   | PN | kg   | C  | ØK  | ISO | N x ØZ | ØP  | L   | E     | H     | H1   | PN | kg   |
|-----|-----|-----|-------|------|------|----|------|----|-----|-----|--------|-----|-----|-------|-------|------|----|------|
| 15  | 15  | 115 | 161.2 | 82.7 | 11   | 40 | 2.2  | 9  | 42  | F04 | 4x 6   | 15  | 108 | 111.5 | 75    | 11   | 20 | 1.58 |
| 20  | 20  | 120 | 161.2 | 83.2 | 10   | 40 | 3.02 | 9  | 42  | F04 | 4x 6   | 20  | 117 | 137.5 | 82.5  | 9    | 20 | 1.84 |
| 25  | 25  | 125 | 161.2 | 88.2 | 11   | 40 | 3.79 | 11 | 50  | F05 | 4x 7   | 25  | 127 | 137.5 | 87.5  | 10.5 | 20 | 2.85 |
| 32  | 32  | 130 | 204.5 | 111  | 16.5 | 40 | 5.74 | 14 | 50  | F05 | 4x 7   | 32  | 140 | 160   | 107.5 | 14.5 | 20 | 3.65 |
| 40  | 40  | 140 | 204.5 | 112  | 16.5 | 40 | 6.79 | 14 | 70  | F07 | 4x 9   | 40  | 165 | 205   | 108.5 | 14.5 | 20 | 6.30 |
| 50  | 50  | 150 | 204.5 | 120  | 16.5 | 40 | 9.33 | 14 | 70  | F07 | 4x 9   | 50  | 178 | 205   | 116.5 | 14.5 | 20 | 8.15 |
| 65  | 65  | 170 | 325   | 160  | 21   | 16 | 15.2 | 17 | 102 | F10 | 4x 11  | 65  | 190 | 323   | 160   | 21   | 20 | 12.8 |
| 80  | 80  | 180 | 325   | 170  | 21   | 16 | 19.6 | 17 | 102 | F10 | 4x 11  | 80  | 203 | 323   | 170   | 21   | 20 | 17.0 |
| 100 | 100 | 190 | 325   | 186  | 21   | 16 | 27.4 | 17 | 102 | F10 | 4x 11  | 100 | 229 | 323   | 186   | 21   | 20 | 29.0 |
| 125 | 125 | 325 | 520   | 211  | 34   | 16 | 38.9 | 27 | 125 | F12 | 4x 14  | --  | --  | --    | --    | --   | -- | --   |
| 150 | 150 | 350 | 620   | 228  | 34   | 16 | 50.8 | 27 | 125 | F12 | 4x 14  | 150 | 394 | 620   | 228   | 34   | 20 | 55.8 |

article number:

| type | flange       | seal      | diameter    |
|------|--------------|-----------|-------------|
| FK06 | 00 – PN16/40 | 00 - PTFE | 03 – DN15   |
|      | 01 – ANSI150 |           | 04 – DN20   |
|      |              |           | 05 – DN25   |
|      |              |           | 06 – DN32   |
|      |              |           | 07 – DN40   |
|      |              |           | 08 – DN50   |
|      |              |           | 09 – DN65   |
|      |              |           | 10 – DN80   |
|      |              |           | 11 – DN100  |
|      |              |           | 12 – DN125* |
|      |              |           | 13 – DN150  |
|      |              |           |             |
|      |              |           |             |

example no. FK06010006:

|      |    |    |    |
|------|----|----|----|
| FK06 | 01 | 00 | 06 |
|------|----|----|----|

stainless steel ball valve type FK06  
flange: ASME B16.5 ANSI 150 R.F.  
seal: PTFE  
diameter: DN32

\*Only with PN16/40 flange available

Images similiar, subject change without notice.