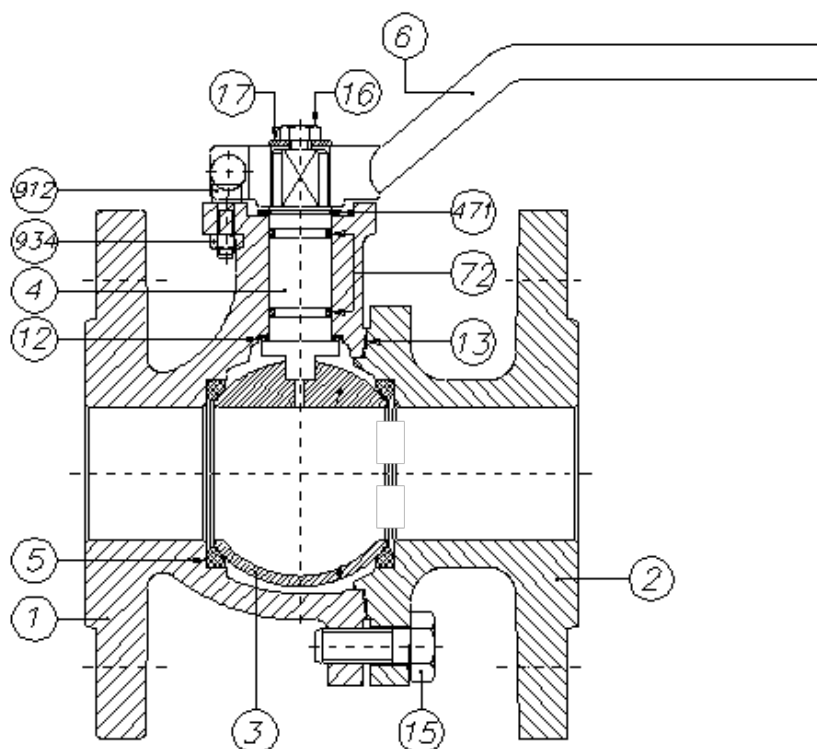


**TECHNISCHE BESCHREIBUNG:**

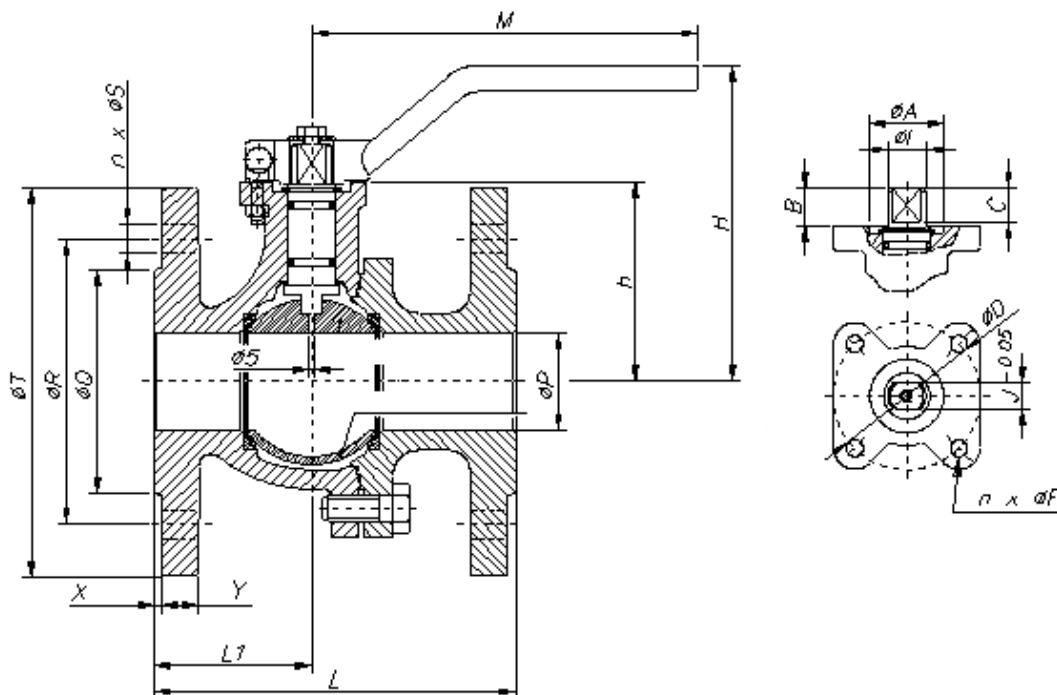
- Zweiteiliges Gehäuse - schwimmende Kugel - voller Durchgang - nicht-ausdrückbare Spindel
- Einbaulänge nach DIN 3202 F18



| AUSFÜHRUNG            |                                                 |
|-----------------------|-------------------------------------------------|
| Kugelhahn             | DIN 3357, EN 1983                               |
| Gehäuse               | DIN 3840                                        |
| Flansch               | DIN 2501, EN 1092-1                             |
| Einbaulänge           | DIN 3202 F18, EN 558-1 Series 27                |
| Aufbauflansch         | ISO 5211, DIN 3337                              |
| Markierung            | BS 5351, EN 19, CE-PED                          |
| PRÜFUNG UND ZEUGNISSE |                                                 |
| Qualität              | ISO 9001, CE-PED                                |
| Druckprüfung          | DIN 3230, BS 6755 Part 1, EN 12266, NF E 29-203 |



| Pos. | Umschreibung                            | Werkstoffe                                 |
|------|-----------------------------------------|--------------------------------------------|
| 1    | Gehäuse                                 | EN-GJL-250                                 |
| 2    | Ergänzungsteil                          | EN-GJL-250                                 |
| 3    | Kugel                                   | DN 15 ~ 25: AISI 303 DN 32 ~ 200: AISI 304 |
| 4    | Schaltwelle                             | AISI 304                                   |
| 5    | Kugeldichtung                           | PTFE                                       |
| 6    | Handhebel                               | Stahl                                      |
| 12   | Lauftring                               | PTFE                                       |
| 13   | Gehäusedichtung                         | PTFE                                       |
| 15   | Bolzen (DN 32 bis DN 100 Stiftschraube) | DIN 933 5.6                                |
| 16   | Bolzen                                  | DIN 933 5.6                                |
| 17   | Scheibe                                 | Stahl, verzinkt                            |
| 72   | O-Ringe                                 | FKM                                        |
| 471  | Gleitring                               | DIN 471 Stahl                              |
| 912  | Bolzen                                  | DIN 912 8.8                                |
| 934  | Mutter                                  | DIN 934 8                                  |

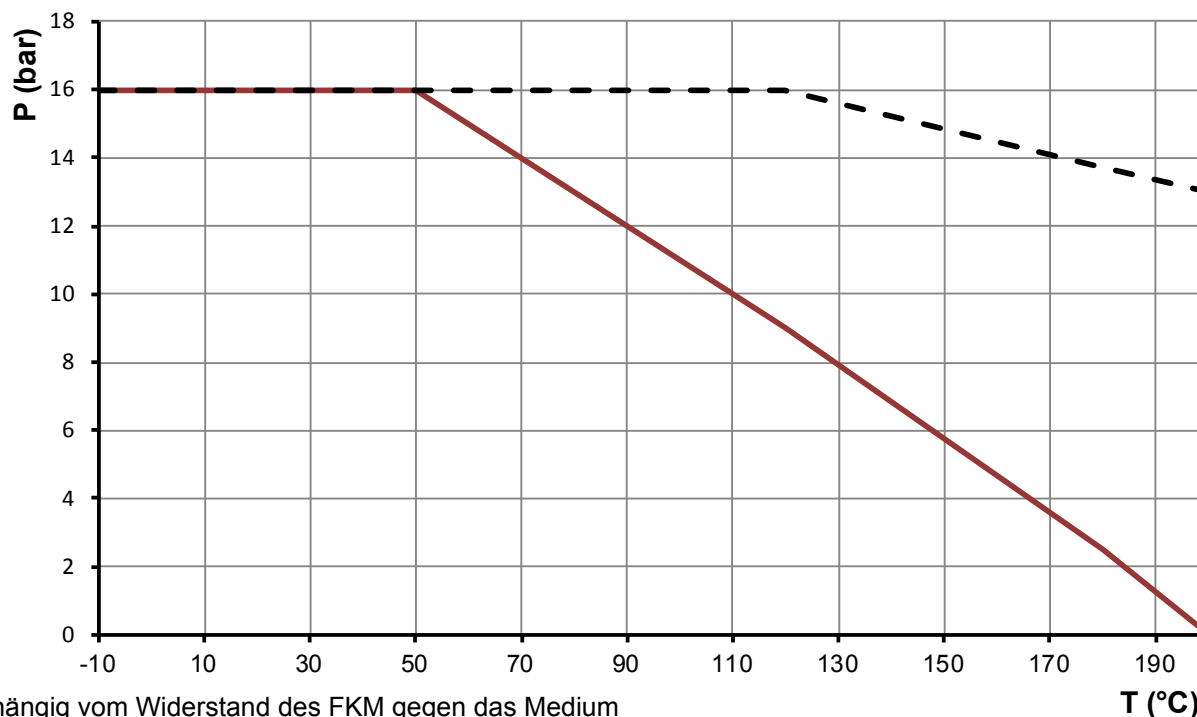


### ABMESSUNGEN: (mm)

| DN  | Ø      | ØP  | L   | L1    | ØQ  | ØR  | n x ØS | ØT  | X | Y  | h     | M     | H     | Kg   |
|-----|--------|-----|-----|-------|-----|-----|--------|-----|---|----|-------|-------|-------|------|
| 15  | 1/2"   | 13  | 115 | 49,0  | 45  | 65  | 4x14   | 95  | 2 | 12 | 48,5  | 170,0 | 92,0  | 2,1  |
| 20  | 3/4"   | 17  | 120 | 55,5  | 58  | 75  | 4x14   | 105 | 2 | 14 | 53,0  | 170,0 | 95,5  | 2,7  |
| 25  | 1"     | 24  | 125 | 51,5  | 68  | 85  | 4x14   | 115 | 2 | 14 | 59,5  | 170,0 | 102,2 | 3,6  |
| 32  | 1 1/4" | 31  | 130 | 53,0  | 78  | 100 | 4x18   | 140 | 2 | 14 | 72,0  | 170,0 | 114,7 | 5,3  |
| 40  | 1 1/2" | 38  | 140 | 61,0  | 88  | 110 | 4x18   | 150 | 3 | 13 | 77,0  | 302,5 | 119,0 | 6,9  |
| 50  | 2"     | 50  | 150 | 62,0  | 102 | 125 | 4x18   | 165 | 3 | 15 | 85,0  | 302,5 | 127,0 | 9,0  |
| 65  | 2 1/2" | 65  | 170 | 81,5  | 122 | 145 | 4x18   | 185 | 3 | 15 | 98,0  | 224,0 | 141,0 | 11,7 |
| 80  | 3"     | 80  | 180 | 79,0  | 138 | 160 | 8x18   | 200 | 3 | 17 | 108,5 | 335,0 | 151,5 | 14,7 |
| 100 | 4"     | 100 | 190 | 94,0  | 158 | 180 | 8x18   | 220 | 3 | 17 | 134,0 | 350,0 | 176,5 | 20,2 |
| 125 | 5"     | 125 | 325 | 120,5 | 188 | 210 | 8x18   | 250 | 3 | 19 | 165,0 | 350,0 | 208,0 | 33,7 |
| 150 | 6"     | 150 | 350 | 155,0 | 212 | 240 | 8x22   | 285 | 3 | 19 | 190,0 | 500,0 | 254,5 | 49,8 |
| 200 | 8"     | 200 | 400 | 190,0 | 268 | 295 | 12x22  | 340 | 3 | 21 | 229,0 | 500,0 | 293,5 | 81,8 |

### AUFBAUFLANSCH: (mm)

| DN  | Ø      | ISO | Ø A | B    | C    | Ø D | n x F | ØI | J  | Kg   |
|-----|--------|-----|-----|------|------|-----|-------|----|----|------|
| 15  | 1/2"   | F04 | 19  | 7,5  | 5,5  | 42  | 4x5   | 10 | 7  | 2,0  |
| 20  | 3/4"   | F04 | 19  | 6,0  | 5,0  | 42  | 4x5   | 10 | 7  | 2,6  |
| 25  | 1"     | F04 | 21  | 6,2  | 5,0  | 42  | 4x5   | 10 | 7  | 3,5  |
| 32  | 1 1/4" | F04 | 21  | 6,7  | 5,5  | 42  | 4x5   | 10 | 7  | 5,2  |
| 40  | 1 1/2" | F04 | 30  | 15,0 | 16,0 | 42  | 4x5   | 16 | 12 | 6,5  |
| 50  | 2"     | F04 | 30  | 15,0 | 16,0 | 42  | 4x5   | 16 | 12 | 8,6  |
| 65  | 2 1/2" | F07 | 35  | 18,0 | 19,0 | 70  | 4x8   | 18 | 13 | 11,0 |
| 80  | 3"     | F07 | 35  | 18,0 | 19,0 | 70  | 4x8   | 18 | 13 | 14,0 |
| 100 | 4"     | F07 | 38  | 19,0 | 20,0 | 70  | 4x8   | 22 | 16 | 19,5 |
| 125 | 5"     | F07 | 38  | 19,5 | 20,0 | 70  | 4x8   | 22 | 16 | 33,0 |
| 150 | 6"     | F10 | 50  | 24,5 | 27,0 | 102 | 4x10  | 28 | 20 | 47,5 |
| 200 | 8"     | F10 | 50  | 24,5 | 27,0 | 102 | 4x10  | 28 | 20 | 79,5 |

**PT DIAGRAMM:**

**DREHMOMENTE:** (Nm) **Kv-WERT:** (m³/h)

| DN  | Differenzdruck | Kv-Wert  |
|-----|----------------|----------|
|     | 16 bar         |          |
| 15  | 6              | 37,4     |
| 20  | 6              | 74,8     |
| 25  | 11             | 105,0    |
| 32  | 12             | 176,0    |
| 40  | 26             | 223,0    |
| 50  | 41             | 416,0    |
| 65  | 41             | 660,0    |
| 80  | 71             | 1.200,0  |
| 100 | 119            | 1.980,0  |
| 125 | 190            | 3.600,0  |
| 150 | 220            | 5.040,0  |
| 200 | 450            | 10.890,0 |