


**PN 10/16 - DN 80...300**

KAT-A 1013-FL-SP

**Product characteristics and benefits**

- Resilient seated in accordance with EN 1074
- With spigot end connection on one side and flange end on other side acc. to EN 1092-2
- Boltless bonnet with pressure supported sealing system
- Low operating torque due to plastic sliding guides on the wedge
- Spigot end with locking cams for internal bayonet locking
- Pull-out proof due to positive connection and friction-locked connection
- Short assembly times due to easy assembly or disassembly
- Stress-free laying due to flexibility of inclination up to  $\pm 3^\circ$
- Maintenance-free and corrosion-resistant stem sealing
- With O-ring sealing
- Low wear due to wedge guiding and elongated stem bearing
- Suitable for vacuum of up to 90%

**Materials**

- Body: Ductile iron EN-GJS-400-15 (GGG-40)
- Bonnet: Ductile iron EN-GJS-400-15 (GGG-40)
- Wedge: Ductile iron EN-GJS-400-15 (GGG-40) encapsulated with EPDM vulcanized
- Stem: Stainless steel 1.4021
- Stem nut: Brass

**Corrosion protection**

- Internally and externally epoxy coated acc. to GSK guidelines

**Versions**

- Standard version as described

**Field of application**

- Underground installation


**Tests and approvals**

- Final inspection test acc. to EN 12266
- DVGW tested and registered
- Elastomers approved acc. to W270

**Accessories**

- T-key
- Installation equipment
- Extension spindle
- Surface box cast iron
- VAG SERIO®*plus* position indicator

**Note**

For proper installation and safe operation please follow the installation and operation instructions:  
KAT-B 5210

**Operating conditions**

| DN       | PN | Maximum operating pressure [bar] | Maximum operating temperature for medium [°C] |
|----------|----|----------------------------------|-----------------------------------------------|
| 80...300 | 16 | 16                               | 50                                            |

**Pressure test acc. to EN 12266**

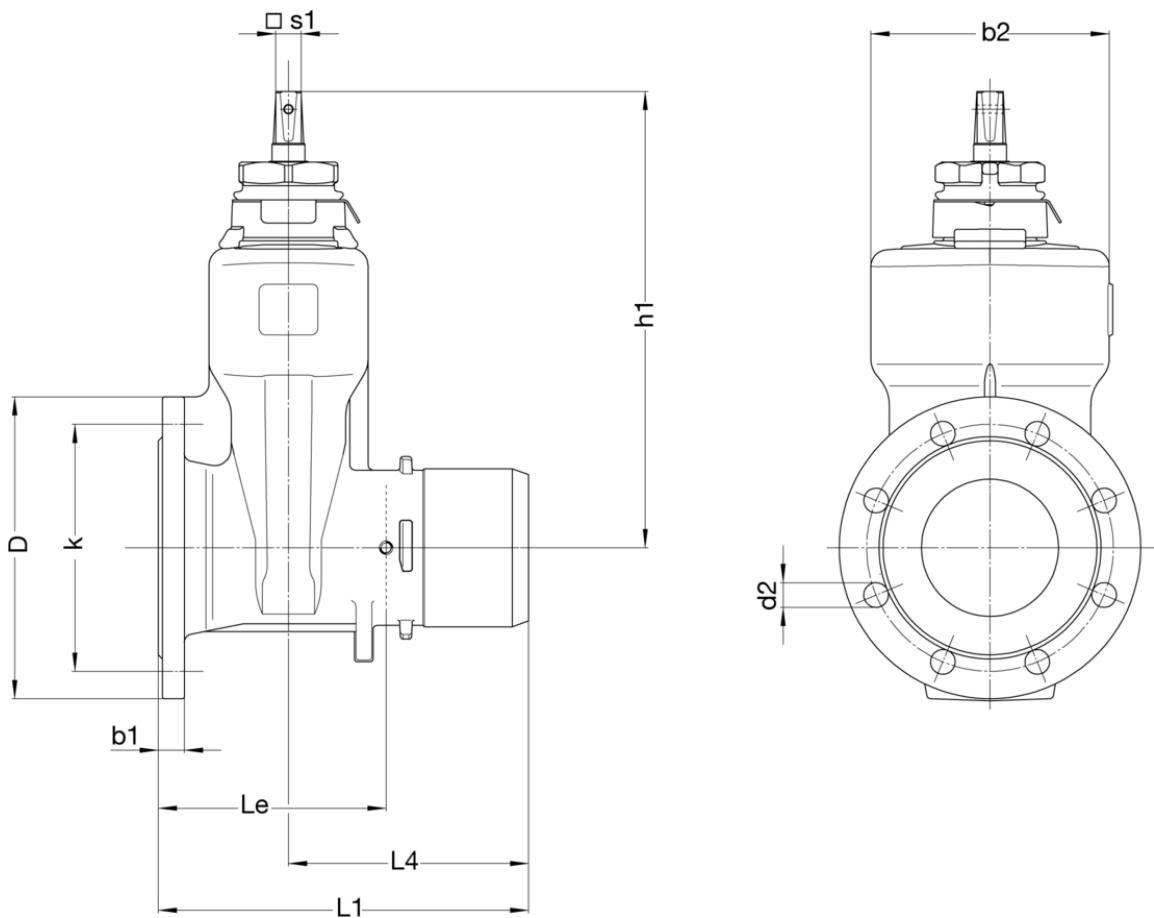
| Test pressure body with water [bar] | Test pressure seat with water [bar] |
|-------------------------------------|-------------------------------------|
| 24                                  | 17.6                                |

VAG BETA® 200 Gate Valve flange/spigot  
for VAG BAIO®plus System



Water

Drawing



Technical data

PN 10

| DN                  |                   | 200   | 250    | 300    |
|---------------------|-------------------|-------|--------|--------|
| D                   | [mm]              | 340   | 400    | 455    |
| k                   | [mm]              | 295   | 350    | 400    |
| L1                  | [mm]              | 339   | 410    | 445    |
| L4                  | [mm]              | 220   | 285    | 310    |
| Le                  | [mm]              | 222   | 241    | 263    |
| b1                  | [mm]              | 20    | 22     | 24.5   |
| b2                  | [mm]              | 320   | 396    | 471    |
| d2                  | [mm]              | 23    | 23     | 23     |
| h1                  | [mm]              | 523   | 633    | 713    |
| □ s1                | [mm]              | 24    | 27     | 27     |
| No. of holes        |                   | 8     | 12     | 12     |
| Turns/stroke        |                   | 34    | 43     | 51     |
| Weight approx.      | [kg]              | 60.20 | 102.40 | 140.50 |
| Volume ap-<br>prox. | [m <sup>3</sup> ] | 0.088 | 0.164  | 0.23   |


**Technical data**
**PN 16**

| <b>DN</b>           |      | <b>80</b> | <b>100</b> | <b>125</b> | <b>150</b> | <b>200</b> | <b>250</b> | <b>300</b> |
|---------------------|------|-----------|------------|------------|------------|------------|------------|------------|
| D                   | [mm] | 200       | 220        | 250        | 285        | 340        | 400        | 455        |
| k                   | [mm] | 160       | 180        | 210        | 240        | 295        | 355        | 410        |
| L1                  | [mm] | 263       | 274        | 294        | 309        | 339        | 410        | 445        |
| L4                  | [mm] | 163.5     | 172.5      | 183        | 194.5      | 220        | 285        | 310        |
| Le                  | [mm] | 179       | 170        | 183        | 198        | 222        | 241        | 263        |
| b1                  | [mm] | 19        | 19         | 19         | 19         | 20         | 22         | 24.5       |
| b2                  | [mm] | 160       | 174        | 220        | 245        | 320        | 396        | 471        |
| d2                  | [mm] | 19        | 19         | 19         | 23         | 23         | 28         | 28         |
| h1                  | [mm] | 280       | 334        | 379        | 417        | 523        | 633        | 713        |
| Ø s1                | [mm] | 17        | 19         | 19         | 24         | 24         | 27         | 27         |
| No. of holes        |      | 8         | 8          | 8          | 8          | 12         | 12         | 12         |
| Turns/stroke        |      | 20        | 20         | 25         | 30         | 34         | 43         | 51         |
| Weight approx.      | [kg] | 16.80     | 21.00      | 33.50      | 43.50      | 60.20      | 102.40     | 140.50     |
| Volume ap-<br>prox. | [m³] | 0.022     | 0.029      | 0.044      | 0.059      | 0.088      | 0.164      | 0.23       |