



### Product features

- Resilient seated, based on EN 1171 (DIN 3352, part 13)
- Boltless, self-sealing bonnet connection
- With insert socket connection on both sides for cast iron or plastic pipes
- With insert socket on one side and spigot on the other for inside interlocking
- With flange on the one side and spigot on the other
- Low torque thanks to plastic sliding block on the wedge
- DVGW tested and registered
- Elastomere approved in acc. with W 270
- Final inspection test to EN 12266 (DIN 3230, part 4)

### Materials

- Body, wedge and bonnet made of ductile iron GGG-40 EN - JS 1030 (GGG-40)
- Wedge fully rubber lined with EDPM

### Corrosion protection

- Inside and outside epoxy coating, acc. to GSK guidelines



### Field of application

- zulässige Betriebstemperatur für Wasser: 50°C
- Water supply lines
- Socket form and spigot suitable for tight connection with **VAG-BAIO®plus system parts** and with cast iron or plastic pipes

### Alternatives

- Double function socket on both sides
  - with TYTON sealing rings
  - with GKS sealing rings
- Double function socket on one side, on the other side spigot
  - with TYTON sealing ring
  - with GKS sealing ring
- Flanged on one side, on the other side spigot



### Accessories

- Operating key
- Assembly fittings
- Surface box plastic
- Surface box, plastic, adjustable
- Supporting plate, plastic
- Surface box, cast iron

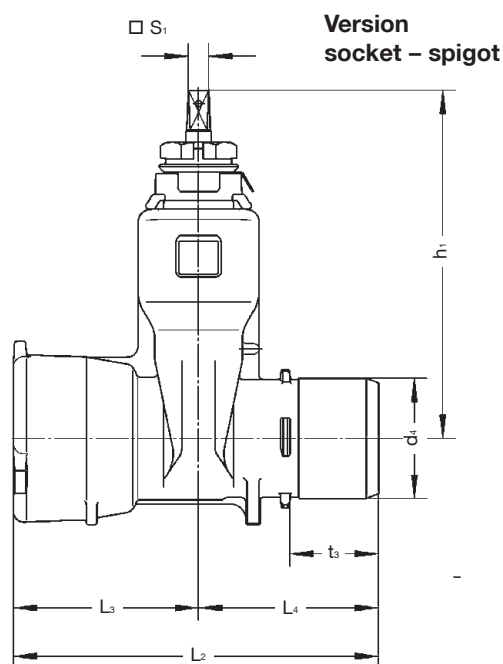
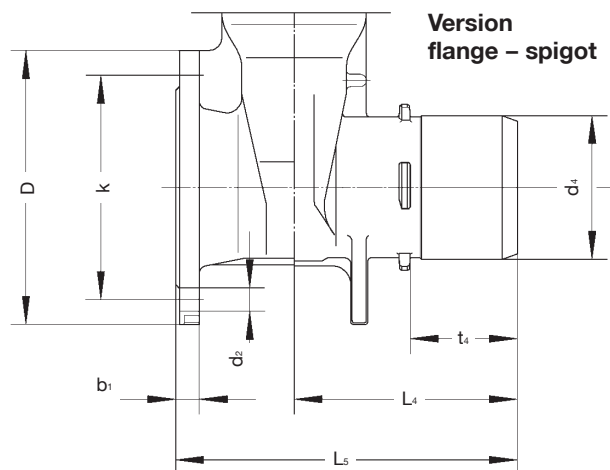
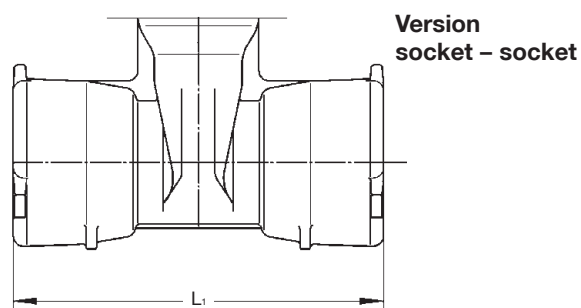
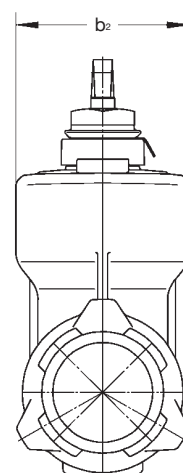
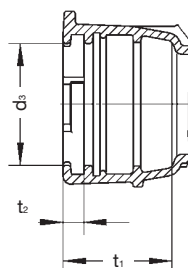
For information about installation, commissioning, operating and maintenance we kindly refer to our **“Installation and Operating Instructions - Valves”**.

## Field of application

## Final Inspection Tests in acc. with EN 12266

| DN<br>mm | PN<br>bar | Max. operating<br>pressure<br>bar | Max. operating<br>temperature for neutral liquides<br>°C | Test pressure with water in bar |         |
|----------|-----------|-----------------------------------|----------------------------------------------------------|---------------------------------|---------|
|          |           |                                   |                                                          | in body                         | in seat |
| 80...300 | 16        | 16                                | 50                                                       | 24                              | 17.6    |

We reserve the right to make technical changes and use similar or higher-quality materials. Drawings are non-binding


**Cross-section  
BAIO® socket**


| Dimensions in mm                                                  |                              |       |       |       |       |       |       |       |
|-------------------------------------------------------------------|------------------------------|-------|-------|-------|-------|-------|-------|-------|
|                                                                   | DN                           | 80    | 100   | 125   | 150   | 200   | 250   | 300   |
| Construction dimensions                                           | h <sub>1</sub> approx.       | 280   | 334   | 379   | 417   | 523   | 633   | 713   |
|                                                                   | b <sub>2</sub>               | 160   | 174   | 220   | 245   | 320   | 396   | 471   |
| Face to face                                                      | □ s <sub>1</sub>             | 17    | 19    | 19    | 24    | 24    | 27    | 27    |
|                                                                   | socket/spigot L <sub>1</sub> | 333   | 355   | 374   | 387   | 420   | –     | –     |
|                                                                   | socket/socket L <sub>2</sub> | 330   | 350   | 370   | 388   | 430   | –     | –     |
|                                                                   | L <sub>3</sub>               | 166.5 | 177.5 | 187   | 193.5 | 210   | –     | –     |
|                                                                   | L <sub>4</sub>               | 163.5 | 172.5 | 183   | 194.5 | 220   | 285   | 310   |
|                                                                   | flange/spigot L <sub>5</sub> | 263   | 274   | 294   | 309   | 339   | 410   | 445   |
| Socket and spigot end dimensions                                  | t <sub>1</sub>               | 104.7 | 109   | 115   | 117   | 129.4 | –     | –     |
|                                                                   | t <sub>2</sub>               | 20    | 21    | 23    | 23    | 25    | –     | –     |
|                                                                   | t <sub>3</sub>               | 70    | 85    | 90    | 90    | 94    | –     | –     |
|                                                                   | t <sub>4</sub>               | 80    | 86    | 91    | 91.5  | 95    | 140   | 150   |
|                                                                   | d <sub>3</sub>               | 102.5 | 122   | 147.5 | 173.5 | 228.5 | –     | –     |
|                                                                   | d <sub>4</sub>               | 95.3  | 115.2 | 141.2 | 167.1 | 219   | 273   | 324.5 |
| Flange connection dimensions<br>acc. EN 1092-2 PN 16<br>(GGG-...) | D                            | 200   | 220   | 250   | 285   | 340   | 400   | 455   |
|                                                                   | k                            | 160   | 180   | 210   | 240   | 295   | 355   | 410   |
|                                                                   | No. of holes                 | 8     | 8     | 8     | 8     | 12    | 12    | 12    |
|                                                                   | d <sub>2</sub>               | 19    | 19    | 19    | 23    | 23    | 28    | 28    |
|                                                                   | b <sub>1</sub>               | 19    | 19    | 19    | 19    | 20    | 22    | 24,5  |
| Rev./stroke                                                       |                              | 20    | 20    | 25    | 30    | 34    | 43    | 51    |
| Weight                                                            | socket/socket kg approx.     | 16.5  | 23    | 28.5  | 40    | 58    | –     | –     |
|                                                                   | socket/spigot kg approx.     | 16    | 22    | 28.5  | 39    | 58    | –     | –     |
|                                                                   | flange/spigot m³ approx..    | 16.8  | 21    | 33.5  | 43.5  | 60.2  | 102.4 | 140.5 |
| Volume req.                                                       | socket/socket kg approx.     | 0.020 | 0.030 | 0.040 | 0.050 | 0.090 | –     | –     |
|                                                                   | socket/spigot kg approx.     | 0.020 | 0.030 | 0.040 | 0.050 | 0.090 | –     | –     |
|                                                                   | flange/spigot m³ approx.     | 0.022 | 0.029 | 0.044 | 0.059 | 0.088 | 0.164 | 0.230 |