

# FLANGED SOFT SEALING GATE VALVE S14 3000

## with pneumatic cylinder

### DN 50 - 300 PN10

01.103



#### Product description

- Flanged soft sealing gate valve series 3000 with pneumatic cylinder actuator, for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

#### Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 14

#### Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal: 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

#### Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901-1 and GSK approved

#### Approvals

- ACS Potability Certificate 21 ACC NY 005
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

#### Features

- Isolation valve for drinking water
- Full bore
- Shaft sealing system with 3 O-rings in EPDM
- Wedge fully vulcanized with drinking water approved EPDM
- Top of the wedge conceived with “soft stop” system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Double acting pneumatic actuator with position sensing for open/close operation approved by ATEX
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass alloys.



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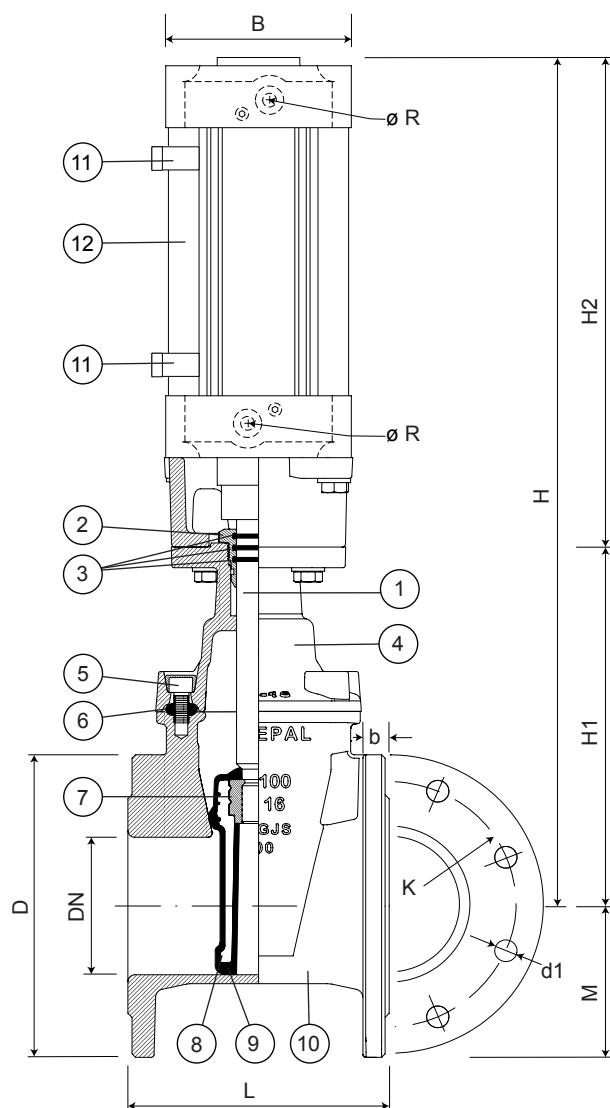
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#### Component list

| pos | components              | material                      | standard   |
|-----|-------------------------|-------------------------------|------------|
| 1   | Shaft                   | Stainless steel AISI 420      | EN 10088-1 |
| 2   | Gland                   | Brass DZR CW602N              | EN 12164   |
| 3   | O-rings                 | Elastomer EPDM                | EN 681-1   |
| 4   | Bonnet                  | Ductile iron EN-GJS-500-7     | EN 1563    |
| 5   | Bolts                   | Stainless steel A2            | EN 10088-1 |
| 6   | Bonnet gasket           | Elastomer EPDM                | EN 681-1   |
| 7   | Wedge nut               | Brass DZR CW626N              | EN 12164   |
| 8   | Wedge                   | Ductile iron EN-GJS-500-7     | EN 1563    |
| 9   | Wedge covering          | Elastomer EPDM                | EN 681-1   |
| 10  | Body                    | Ductile iron EN-GJS-500-7     | EN 1563    |
| 11  | Open-close limit switch | -                             | -          |
| 12  | Pneumatic cylinder      | Aluminium and stainless steel | -          |

#### Reference and dimensions

| DN  | Flange<br>Drilling (PN) | code     | D<br>mm | L<br>mm | H<br>mm | M<br>mm | H1<br>mm | H2<br>mm | K<br>mm | n° x d1<br>mm | b<br>mm | B<br>mm | ø R    | Kg<br>approx. |
|-----|-------------------------|----------|---------|---------|---------|---------|----------|----------|---------|---------------|---------|---------|--------|---------------|
| 40  | 10/16                   | 10725501 | 150     | 140     | 283     | 75      | 208      | 75       | 110     | 4 x 19        | 19      | 100     | G 1/2" | 15            |
| 50  | 10/16                   | 10725511 | 165     | 150     | 283     | 83      | 208      | 75       | 125     | 4 x 19        | 19      | 100     | G 1/2" | 17            |
| 60  | 10/16                   | 10725521 | 175     | 170     | 307     | 88      | 217      | 90       | 135     | 4 x 19        | 19      | 100     | G 1/2" | 19            |
| 65  | 10/16                   | 10725531 | 185     | 170     | 307     | 93      | 217      | 90       | 145     | 4 x 19        | 19      | 100     | G 1/2" | 20            |
| 80  | 10/16                   | 10725541 | 200     | 180     | 362     | 100     | 257      | 105      | 160     | 8 x 19        | 19      | 125     | G 3/4" | 28            |
| 100 | 10/16                   | 10725551 | 220     | 190     | 411     | 110     | 286      | 125      | 180     | 8 x 19        | 19      | 125     | G 3/4" | 32            |
| 125 | 10/16                   | 10725561 | 250     | 200     | 473     | 125     | 323      | 150      | 210     | 8 x 19        | 19      | 160     | G 3/4" | 44            |
| 150 | 10/16                   | 10725571 | 285     | 210     | 559     | 143     | 384      | 175      | 240     | 8 x 23        | 19      | 160     | G 3/4" | 52            |
| 200 | 10                      | 10725581 | 340     | 230     | 684     | 170     | 459      | 225      | 295     | 8 x 23        | 20      | 200     | G 3/4" | 80            |
| 250 | 10                      | 10725591 | 400     | 250     | 1610    | 200     | 545      | 1065     | 350     | 12 x 23       | 22      | 200     | G 1"   | 117           |
| 300 | 10                      | 10725601 | 455     | 270     | 1785    | 228     | 620      | 1165     | 400     | 12 x 23       | 24.5    | 200     | G 1"   | 170           |