



## AVK GATE VALVE WITH PE-PIPES PN16

36/81

Material design and testing to AS 2638.2, reduced weight and environmentally friendly  
For fusion welded installation in PE water pipes to AS/NZ 4130

### Use:

- For water, sewage and neutral liquid applications
  - Valve designed for use up to 70°C
  - Where applicable; for AS 4020 compliance, max temp = 40°C
  - PE-pipe material to max. 20°C
- Note: Always observe pipe material recommended operating temperatures

### Tests:

- Valve Hydraulic test to AS 2638.2:
  - Seat: 16 bar
  - Body: 24 bar
  - Operating torque test

### Optional Extras:

- Handwheel



Quality  
ISO 9001

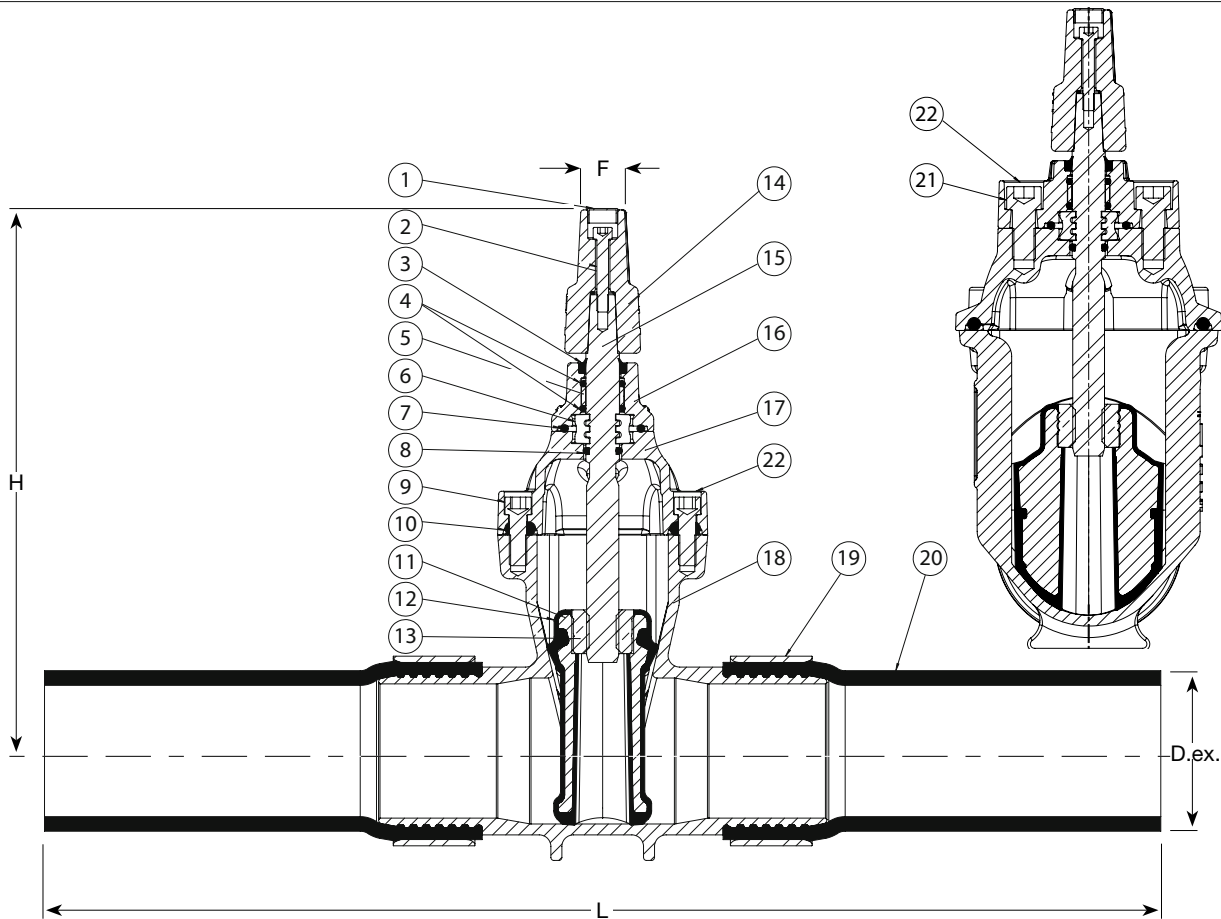


Health & Safety  
AS 4801



Environment  
ISO 14001





**Component list**

|                   |  |                       |   |
|-------------------|--|-----------------------|---|
| 1. Insert         | Ductile Iron, 500-7 to AS 1831                     | 13. Wedge nut         | Dezincification resistant brass, CZ 132 to AS 2345    |
| 2. Bolt           | Grade 8.8 sealed with hot melt                     | 14. Stem cap          | Ductile Iron, 400-12 to AS 1831                       |
| 3. Wiper ring     | NBR  | 15. Stem              | Stainless Steel 431                                   |
| 4. O-ring         | NBR  | 16. Gland flange      | Ductile Iron, 500-7 to AS 1831                        |
| 5. Bushing        | Polyamid   | 17. Bonnet            | Ductile Iron, 500-7 to AS 1831                        |
| 6. Thrust collar  | Dezincification resistant brazz, CZ 132 to AS 2345 | 18. Body, socket      | Ductile Iron to AS 1831                               |
| 7. O-ring         | NBR  | 19. Sleeve            | Stainless Steel* / Mild steel with Nitto Denko sleeve |
| 8. O-ring         | NBR  | 20. Pipe              | PE100-water pipes to AS 4130                          |
| 9. Bonnet bolt    | Grade 8.8 sealed with hot melt                     | 21. Gland flange bolt | Grade 8.8 sealed with hot melt                        |
| 10. Bonnet gasket | EPDM rubber  | 22. Hot melt          |   |
| 11. Wedge         | Ductile Iron 500-7 to AS 1831                      |                       |   |
| 12. Wedge rubber  | EPDM rubber  |                       |   |

\* For valves DN80-200

Components can be substituted with equivalent or higher class materials.

**Reference nos. and dimensions**

| AVK ref. nos.<br>CC | AVK ref. nos.<br>ACC | DN<br>mm | PE-pipe<br>D.ex<br>mm | L<br>mm | H<br>mm | F<br>mm | Weight<br>kilos |
|---------------------|----------------------|----------|-----------------------|---------|---------|---------|-----------------|
| 36-063-81483412     | 36-063-81483512      | 50       | 63                    | 880     | 213     | 12      | 7               |
| 36-075-81483412     | 36-075-81483512      | 65       | 75                    | 900     | 271     | 17      | 12              |
| 36-090-81483412     | 36-090-81483512      | 80       | 90                    | 950     | 297     | 17      | 20              |
| 36-110-81483412     | 36-110-81483512      | 100      | 110                   | 975     | 334     | 19      | 27              |
| 36-125-81483412     | 36-125-81483512      | 125      | 125                   | 1100    | 376     | 19      | 39              |
| 36-140-81438412     | 36-140-81483512      | 125      | 140                   | 1100    | 376     | 19      | 41              |
| 36-160-81438412     | 36-160-81483512      | 150      | 160                   | 1100    | 448     | 19      | 52              |
| 36-180-81483412     | 36-180-81483512      | 150      | 180                   | 1100    | 448     | 19      | 58              |
| 36-200-81483412     | 36-200-81483512      | 200      | 200                   | 1120    | 562     | 24      | 88              |
| 36-225-81483412     | 36-225-81483512      | 200      | 225                   | 1100    | 562     | 24      | 91              |
| 36-250-81483412     | 36-250-81483512      | 250      | 250                   | 1350    | 664     | 27      | 118             |
| 36-280-81483412     | 36-280-81483512      | 250      | 280                   | 1350    | 664     | 27      | 126             |
| 36-315-81483412     | 36-315-81483512      | 300      | 315                   | 1350    | 740     | 27      | 140             |
| 36-355-81483412     | 36-355-81483512      | 300      | 355                   | 1525    | 740     | 27      | 230             |
| 36-400-81483412     | 36-400-81483512      | 400      | 400                   | 1660    | 912     | 32      | 376             |