



## AVK SERVICE CONNECTION VALVE, DI, PN16

36/8X-116

Black/blue SDR11 PE100 pipe ends

AVK resilient seated service connection valves are designed with built-in safety in every detail. The wedge is vulcanized with AVK's own drinking water approved EPDM rubber compound. It features an outstanding durability due to the ability of the rubber to regain its original shape, the double bonding vulcanization process and the sturdy wedge design. The triple safety stem sealing system, the high strength stem and the thorough corrosion protection safeguard the unmatched reliability.

### Product description:

Service connection valve with SDR11 PE pipes. For drinking water and neutral liquids to max. 20° C. Note: The maximum working temperature is set according to the ISO9080 lifetime requirements for PE pipes, and is therefore not the max. temperature for the valve.

### Standards:

- Designed according to EN 1074 part 1 & 2, Designed according to EN 1171

### Test/Approvals:

- Hydraulic test according to EN 1074-1 and 2 / EN 12266
- Seat: 1.1 x PN (in bar), Body: 1.5 x PN (in bar). Operation torque test
- Belgaqua approved material
- Approved according to SVGW Certificate No. 0301-4608
- Approved according to Swedish type approval 1350 certified by KIWA

### Features:

- Wedge of brass CW626N vulcanized with EPDM rubber – both brass and rubber certified for use in contact with drinking water– and shaped with guides and a special rubber profile ensuring low closing torques
- Stainless steel stem with rolled threads providing high strength
- Full circle thrust collar provides fixation of the stem and low free running torques
- Triple safety stem sealing with an NBR wiper ring, a polyamide bearing with four NBR O-rings and an EPDM rubber manchette
- EPDM bonnet gasket fixed in a recess
- Countersunk and sealed stainless steel bonnet bolts encircled by the bonnet gasket
- Full bore
- Low operating torque
- Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved
- A standard PE pipe is pressed onto the grooved valve end, locked with a steel ring and sealed with a plastic shrink hose. The boltless, full bore PE end connection is tensile resistant and stronger than the PE pipe itself. The PE pipe end enables direct welding into PE pipes resulting in a fast and secure assembly. Note: The maximum working temperature of 20°C is set according to the ISO9080 lifetime requirements for PE pipes. For higher working temperatures expect a reduction of the PE pipe's lifetime. Please refer to the local pipe manufacturer for further information.

### Accessories:

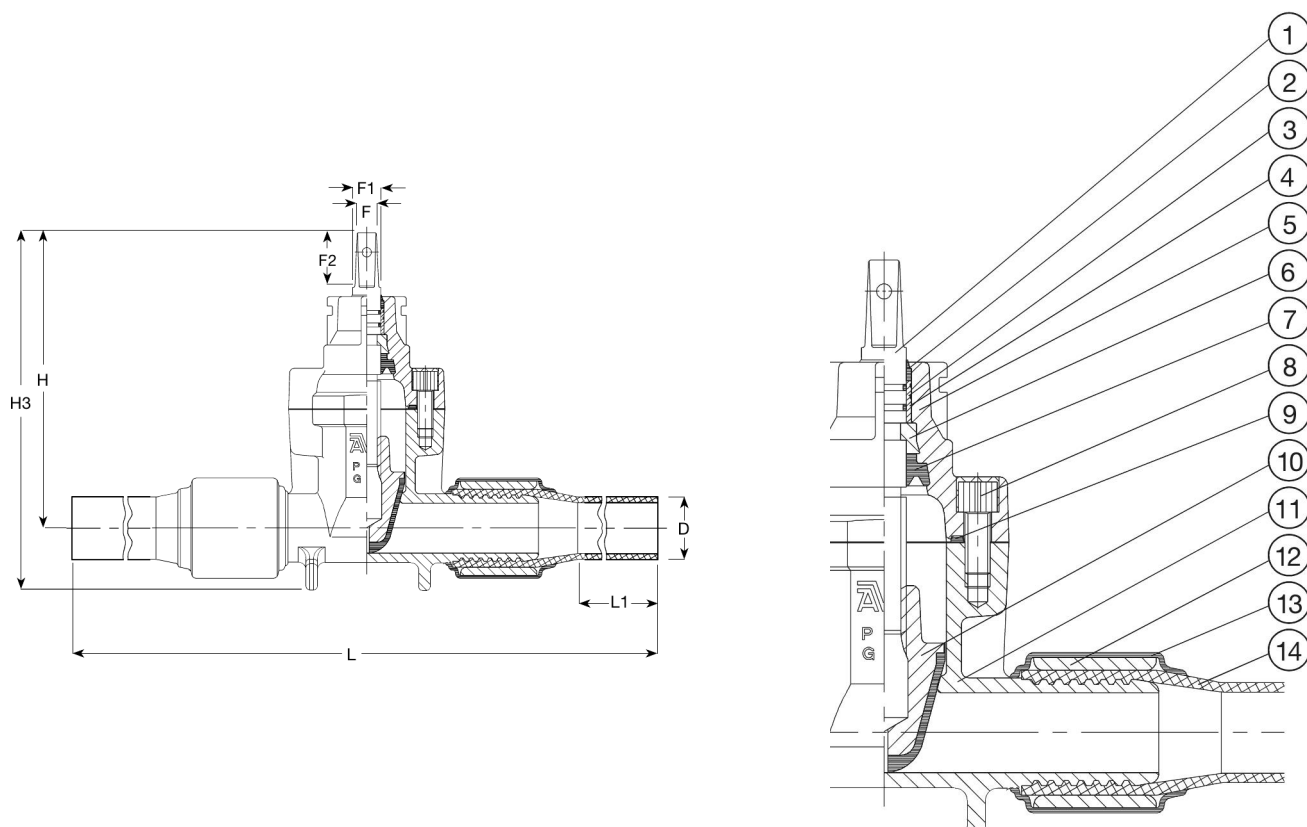
Handwheel, stem cap, extension spindle and street cover



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**AVK SERVICE CONNECTION VALVE, DI, PN16****36/8X-116****Black/blue SDR11 PE100 pipe ends****Component list:**

|                  |                                 |                  |                                      |
|------------------|---------------------------------|------------------|--------------------------------------|
| 1. Stem          | Stainless steel 1.4104 (430F)   | 8. Bonnet bolt   | Stainless steel A2, sealed with melt |
| 2. Wiper ring    | NBR rubber                      | 9. Bonnet gasket | EPDM rubber                          |
| 3. O-ring        | NBR rubber                      | 10. Wedge        | Brass, DZR CW626N with EPDM          |
| 4. Bearing       | Polyamide                       | 11. Body         | Ductile iron GJS-500-7 (GGG-50)      |
| 5. Bonnet        | Ductile iron GJS-500-7 (GGG-50) | 12. Sleeve       | Carbon steel                         |
| 6. Thrust collar | Brass, DZR CW602N               | 13. Shrink hose  | Plastic                              |
| 7. Manchette     | EPDM rubber                     | 14. Pipe         | PE                                   |

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference nos. and dimensions:**

| AVK ref. no.       | DN | D  | Product  | H   | H3  | L (± tol) | L1  | F  | F1 | F2 | Theoretical weight/kg |
|--------------------|----|----|----------|-----|-----|-----------|-----|----|----|----|-----------------------|
|                    | mm | mm | PN Class | mm  | mm  | mm        | mm  | mm | mm | mm |                       |
| 36-032-80-16306499 | 25 | 32 | PN16     | 163 | 190 | 800 (10)  | 300 | 12 | 15 | 35 | 2.7                   |
| 36-040-80-16306499 | 32 | 40 | PN16     | 176 | 209 | 820 (10)  | 300 | 12 | 15 | 35 | 3.4                   |
| 36-050-80-163      | 40 | 50 | PN16     | 203 | 235 | 850 (10)  | 300 | 12 | 15 | 35 | 5.6                   |
| 36-063-80-163      | 50 | 63 | PN16     | 213 | 254 | 900 (10)  | 300 | 12 | 15 | 35 | 6.8                   |