



## AVK WAFER BUTTERFLY VALVE, CONCENTRIC WITH LOOSE LINER, PN 10/16

76/70

002

DN 50-300, EPDM liner for drinking water, SS 1.4408 disc, square shaft

AVK's Series 76 range of concentric butterfly valves are available in wafer and lug design with lever and gearbox. They provide a cost effective solution to our customers while also manufactured to the expected quality standard associated with the AVK brand. The design is with anti-blowout shaft, hexagon connection, low friction bearings and an EPDM liner with reinforced seating area and profiled flange gaskets.

### Product Description:

Concentric butterfly valve with loose liner for drinking water and neutral liquids to max. 70°C

### Standards:

- Designed according to EN 593
- Face to face according to EN 558 Table 2 Basic Series 20
- End connection to EN1092-2 PN 6/10/16, AS2129 TabD/E, ASME B16.1 CL150

### Test/Approvals:

- Hydraulic test according to EN 12266-1, P10/P12
- Approved for drinking water / pressure test EN 12266-1

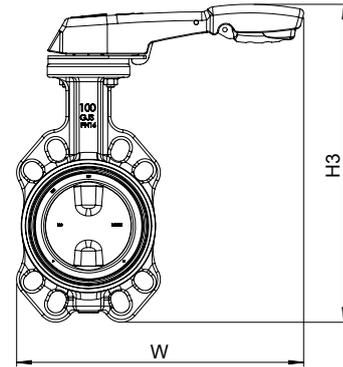
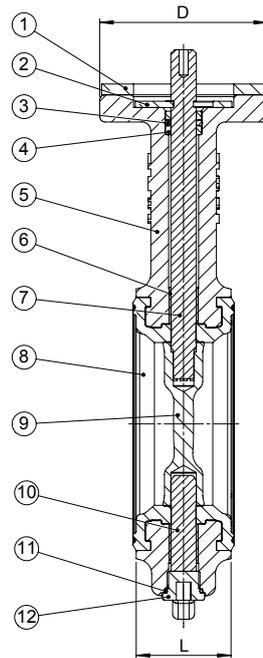
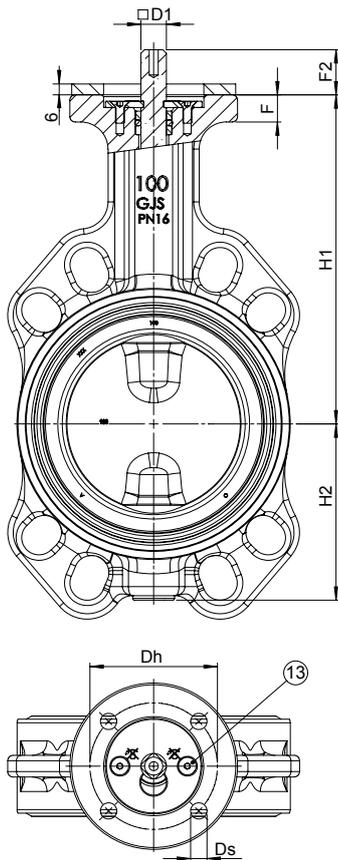
### Features:

- Ductile iron body with long neck for insulation
- Anti-blowout 2-stub shaft with uneven hexagon for safe assembly
- Both shafts carried by low friction PTFE coated bearings
- Loose liner of drinking water approved EPDM with reinforced seating area and integrated, profiled flange gaskets. The shaft holes are dimensioned to create compression around the shaft.
- Slim disc design with internal hexagon for drive shaft connection
- Dew point blocker for heat insulation from lever or wormgear
- Anti blow-out plate at the top and a plug at the bottom
- Two POM bearings and an EPDM O-ring at the top as backup sealing
- 350 µm epoxy coating, RAL 5017
- Lever of high strength reinforced synthetic material with 10 position notch plate (DN 50-200)
- Self locking gearbox with handwheel, adjustable end stops and mechanical position indicator (DN 250-300)

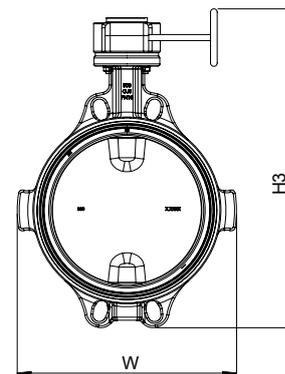
### Accessories:

Gearbox and handwheel, pneumatic actuator, electric actuator





DN50-DN200 with lever



DN250-DN300 with wormgear

**Component List:**

|                       |                                    |                |                        |
|-----------------------|------------------------------------|----------------|------------------------|
| 1. Dew point blocker  | PP                                 | 2. Plate       | POM                    |
| 3. O-ring             | EPDM                               | 4. Ring        | POM                    |
| 5. Body               | Ductile iron, EN-GJS-500-7(GGG-50) | 6. Bearing     | Steel/PTFE             |
| 7. Drive shaft        | Stainless steel 1.4021             | 8. Loose liner | EPDM                   |
| 9. Disc               | Stainless steel 1.4408             | 10. Stub shaft | Stainless steel 1.4021 |
| 11. O-ring            | NBR                                | 12. Plug       | POM                    |
| 13. Countersunk screw | Stainless steel A2                 |                |                        |

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

**Reference Nos. and Dimensions:**

| AVK ref. nos                           | DN mm | Product PN Class | L mm | F mm | F2 mm | D mm | D1 mm | Dh mm | Ds mm | H1 mm | H2 mm | H3 mm | W mm | Theoretic. weight kg |
|--|-------|------------------|------|------|-------|------|-------|-------|-------|-------|-------|-------|------|----------------------|
| 76-0050-70-817402690305                | 50    | PN16             | 43   | 12   | 18    | 67   | 9     | 50    | 7     | 125   | 65    | 251   | 257  | 2.7                  |
| 76-0065-70-817402690305                | 65    | PN16             | 46   | 12   | 18    | 67   | 9     | 50    | 7     | 150   | 78    | 297   | 263  | 3.4                  |
| 76-0080-70-817402690305                | 80    | PN16             | 46   | 12   | 18    | 67   | 9     | 50    | 7     | 157   | 85    | 312   | 266  | 4.0                  |
| 76-0100-70-817402690305                | 100   | PN16             | 52   | 15   | 25    | 92   | 11    | 70    | 9     | 182   | 98    | 357   | 320  | 6.0                  |
| 76-0125-70-817402690305                | 125   | PN16             | 56   | 15   | 25    | 92   | 14    | 70    | 9     | 201   | 114   | 390   | 330  | 7.7                  |
| 76-0150-70-817402690305                | 150   | PN16             | 56   | 15   | 25    | 92   | 14    | 70    | 9     | 214   | 127   | 414   | 342  | 9.0                  |
| 76-0200-70-817402690305                | 200   | PN16             | 60   | 18   | 31    | 92   | 17    | 70    | 9     | 245   | 158   | 482   | 519  | 14                   |
| 76-0250-70-817402690303 <sup>(1)</sup> | 250   | PN16             | 68   | 20   | 38    | 130  | 22    | 102   | 11    | 283   | 194   | 574   | 376  | 25                   |
| 76-0250-70-817442690303 <sup>(2)</sup> | 250   | PN16             | 68   | 20   | 38    | 130  | 22    | 102   | 11    | 283   | 194   | 574   | 376  | 25                   |
| 76-0300-70-817402690303 <sup>(1)</sup> | 300   | PN16             | 78   | 20   | 38    | 130  | 22    | 102   | 11    | 308   | 219   | 633   | 434  | 35                   |

<sup>(1)</sup> With wormgear

<sup>(2)</sup> With wormgear, drilled according to AS2129 table D