

## Wedge gate valve (flat form) DVGW drinking water TYPE AS05



### Description:

Wedge gate valves (flat form) are used for the controlled opening and closing of a pipe system. The optional regulating cone can also be used to regulate flow rates.

### Product features:

- Suitable for neutral **liquid media**
- **With rubberized wedge and handwheel**
- Soft-sealing
- Low torque
- Sealing spindle with 3 O-rings

### Connection:

DN50, DN65, DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN500

### Temperature:

-10°C to 60°C

### Pressure:

up to 16.0 bar  
- depending on version

### Type AS05

#### Body material:

Spheroidal graphite cast iron 0.7040 / 60-40-18

#### Spindle material:

Stainless steel 1.4021 / AISI 420

#### Spindle:

internal & non-rising

#### Nominal pressure:

PN16

#### Material wedge:

Ductile iron 0.7040 / 60-40-18

#### Gasket:

EPDM

#### Operating

-10°C to 60°C

#### Max. operating

16 bar

#### Installation:

In accordance with EN 558-1, series 14 or 15

### Remarks:

Plastic sliding shoes on the wedge  
Gate valve soft-sealing according to EN 1171  
Fitting in accordance with PED 2014/68/EU  
Final test according to DIN EN 12266  
Strength-water PN\*1.5  
Tightness in seat-water PN\*1.1

### Face-to-face

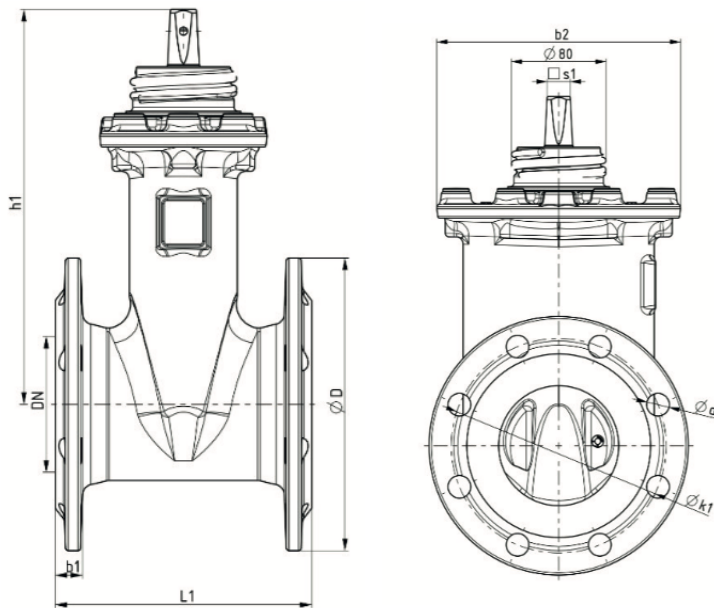
According to DIN EN 558-1 basic series 14

### Flange dimensions:

According to DIN EN 1092-2

### Sealing strip:

According to DIN EN 1092-2 Type B

**Materials:**

| Designation  | Material: Material        |
|--------------|---------------------------|
| Housing      | EN-GJS-400-15 / 0.7040    |
| Wedge        | EN-GJS-400-15 / 0.7040    |
| Cover screws | Stainless steel A2 EN ISO |
| Spindle      | Stainless steel 1.4021    |
| Spindle nut  | Brass CW 614 N            |

**Dimensions**

|      | DN          | 50   | 65   | 80   | 100  | 125  | 150  | 200   | 250   | 300   | 350   | 400   | 500   |
|------|-------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| PN16 | PN          | 16   | 16   | 16   | 16   | 16   | 16   | 16    | 16    | 16    | 16    | 16    | 16    |
|      | s1          | 14   | 17   | 17   | 19   | 19   | 19   | 24    | 27    | 27    | 32    | 32    | 32    |
|      | L1          | 150  | 170  | 180  | 190  | 200  | 210  | 230   | 250   | 270   | 290   | 310   | 350   |
|      | h1          | 210  | 235  | 265  | 293  | 343  | 380  | 465   | 573   | 675   | 820   | 820   | 1040  |
|      | b2          | 151  | 165  | 172  | 204  | 248  | 278  | 362   | 430   | 485   | 585   | 585   | 730   |
|      | D           | 165  | 185  | 200  | 220  | 250  | 285  | 340   | 400   | 455   | 520   | 580   | 715   |
|      | k1          | 125  | 145  | 160  | 180  | 210  | 240  | 295   | 355   | 410   | 470   | 525   | 650   |
|      | b1          | 19   | 19   | 19   | 19   | 18   | 19   | 20    | 22    | 24,5  | 26,5  | 28    | 31    |
|      | n x dØ      | 4x19 | 4x19 | 8x19 | 8x19 | 8x19 | 8x23 | 12x23 | 12x28 | 12x28 | 16x28 | 16x31 | 20x34 |
|      | Ø handwheel | 200  | 250  | 250  | 300  | 300  | 300  | 400   | 500   | 500   | 600   | 600   | 800   |
|      | Nm          | 30   | 30   | 35   | 40   | 65   | 80   | 120   | 140   | 220   | 280   | 300   | 320   |
|      | Weight kg   | 9,0  | 11,2 | 13,8 | 16,6 | 24,0 | 31,0 | 57,0  | 93,2  | 134,1 | 212,0 | 226,0 | 438,0 |

**Delivery test according to DIN EN 12266:**

| Test pressure in the housing             | Test pressure in the housing          |
|------------------------------------------|---------------------------------------|
| with air up to DN200: leakage rate A     | with air up to DN200: leak rate A     |
| with water DN250 - DN600: leakage rate A | with water DN250 - DN600: leak rate A |
| 24 bar                                   | 17.6 bar                              |

**Options (on request):**

- With sprocket
- Seal with NBR
- ISO flange (supplied without handwheel / suitable for mounting an electric actuator)
- Mounting flange
- Installation set

Item number:

| Version                 | Pressure stage | Valve material          | Connection  | Size              |
|-------------------------|----------------|-------------------------|-------------|-------------------|
| AS05 - Flat slide valve | 1 - PN16       | 0 - ductile iron 0.7040 | 00 - Flange | 08 - DN50         |
|                         |                |                         |             | 09 - DN65         |
|                         |                |                         |             | 10 - DN80         |
|                         |                |                         |             | 11 - DN100        |
|                         |                |                         |             | <b>12 - DN125</b> |
|                         |                |                         |             | 13 - DN150        |
|                         |                |                         |             | 14 - DN200        |
|                         |                |                         |             | 15 - DN250        |
|                         |                |                         |             | 16 - DN300        |
|                         |                |                         |             | 17 - DN350        |
|                         |                |                         |             | 18 - DN400        |
|                         |                |                         |             | 20 - DN500        |

Example no. AS05100012

|      |   |   |    |    |
|------|---|---|----|----|
| AS05 | 1 | 0 | 00 | 12 |
|------|---|---|----|----|

Flat gate valve made of spheroidal graphite iron  
Pressure rating: PN16  
Material: Spheroidal graphite iron 0.7040  
Connection: Flange  
Size: DN125

Illustration similar, technical and dimensional changes reserved.