

# Butterfly valve AT 2312-



## Product information

High-quality fully-sealed butterfly valve with a duplex disc and a fixed vulcanized NBR rubber lining. Semi-LUG design. Also suitable for vacuum and as an end valve with a hand lever, worm gear, or actuator. With a high neck for over-insulation.

|                             |           |
|-----------------------------|-----------|
| <b>Dimension range (DN)</b> | 50 - 2200 |
| <b>PN</b>                   | 10 - 16   |
| <b>Temperature (°C)</b>     | 0 - 90    |
| <b>Main material</b>        | Cast iron |

### Area of use

For shut-off and regulation. Hot and cold water: fire water system

- Heating and cooling system
- Vacuum
- Neutral gases

NBR rubber: Cold water, powder, hydrocarbon compounds with a maximum of 30% aromatics at +20 °C, air and neutral gases.

### Tender text

#### PSB.2 Rotary butterfly valves

Butterfly valve AT 2312, with a gray iron body and a NBR lining vulcanized to the body, as well as a butterfly disc made of stainless duplex steel.

AT 231xS with a lever standard up to DN150,

AT 231xV with a gear standard from DN200.

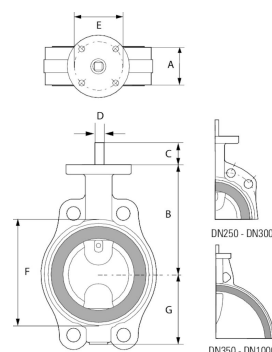
### Quality assurance

AFS 2023:5, PED 2014/68/EU

**The product is CE marked**

**Product marking:** Brand, DN, PN, material according to SS-EN 21.

**Pos**                      **Component**                      **Material**



## Measurements and weight

**Dimension range (DN): 50 - 2200**

| DN              | 50  | 65  | 80  | 100 | 125 | 150  | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 | 700 |
|-----------------|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| A               | 43  | 46  | 46  | 52  | 56  | 56   | 60  | 68  | 78  | 78  | 102 | 114 | 127 | 154 | 165 |
| B               | 118 | 126 | 133 | 147 | 160 | 180  | 204 | 245 | 270 | 315 | 363 | 388 | 413 | 510 | 560 |
| C               | 63  | 71  | 78  | 98  | 109 | 133  | 158 | 194 | 219 | 236 | 308 | 334 | 360 | 426 | 499 |
| Net weight (kg) | 3   | 4.3 | 5.8 | 6.8 | 8.8 | 11.1 | 16  | 27  | 31  | 38  | 71  | 86  | 129 | 169 | 200 |

## Function and design

Fully sealed maintenance-free butterfly valve with a centrally located disc, split spindle, and a completely housed body with in-house vulcanized rubber lining that eliminates the risk of gap corrosion, protects the valve body internally against corrosion, and serves as a flange gasket. The manufacturing process ensures excellent sealing and increased lifespan as wear of the lining is eliminated. The profile of the disc is crucial to achieving good flow characteristics, which ultimately leads to minimizing energy losses. The valve is tight regardless of the flow direction.

Valve body with SEMI-LUG mounting ears for one-sided installation

AT 2312 is equipped with mounting ears up to DN 200. This design ensures that the valve maintains its sealing function even with one-sided flange installation, such as as an end valve.

The disc and shaft pins are connected by one or more strong tapered pins.

AT 2310-11 DN 50-200 butterfly valve is delivered as standard with a high spindle neck for over-insulation.

Construction length according to SS-EN 558

Top flange according to ISO 5211.

Standard surface treatment class C3 according to ISO 12944.

For outdoor installation where there are significant amounts of air pollution or moderate amounts of salt, such as in industrial and coastal areas, without rain protection, class C4 is recommended.

## Technical data

**Main material:** Cast iron

**Main material code:** Cast iron GJL-250 (GG25)

**Included materials:** Cast iron, Stainless steel, Rubber

**Included material code:** Stainless steel duplex (1.4462), Cast iron GJL-250 (GG25), NBR (nitrile butadiene rubber)

**Temperature (°C):** 0 - 90

**PN:** 10 - 16

**Connection:** Flanged EN1092

**ETIM classification:** EC010910 - Butterfly valve

**BK04 code:** 20706 Single-leaf dampers

**Product colour:** RAL 2000 - Yellow orange

## Installation and maintenance

**Flowdirection:** Bi-directional

**Possible mounting position:** Vertical, Horizontal

**Possible mounting position notes:** "Mounting with a horizontal spindle axis is optimal."

The valve is intended to be mounted between flanges, without gaskets, and where possible with the shafts in a horizontal position. Avoid mounting the valve with the shaft downwards. In the case of one-sided mounting, bolts and nuts should not be tightened with a higher torque than specified in the table in the relevant standard. The valve should be operated regularly to avoid the accumulation of dirt that can lead to leakage.

The company's management system  
is certified by DNV  
ISO 9001 • ISO 14001

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info@armatec.se | +46 31 89 01 00 | www.armatec.se