## Product information

RELAUNCH! Our loyal servant for 50 years has come in a new design. The AT 2343B butterfly valve is a high-quality valve that is perfect for shutting off and regulating hot and cold water, glycol-mixed water, vacuum, and neutral gases. It is made of cast iron and has a vulcanized lining, which provides a long product life cycle. The valve has low torque and low pressure drop. The disc is made of duplex stainless steel. The EPDM rubber used in the valve is suitable for hot water, air, neutral gases, some diluted inorganic acids, and some alcohols (max 30%). The connection is flanged according to EN1092. Choose the AT 2343B butterfly valve for reliable and efficient operation.

| | |
|---|---|
| Dimension range (DN) | 40 - 300 |
| PN | 16 |
| Temperature (°C) | -20 - 110 |
| Main material | Ductile iron |

## Area of use

This product is of the highest quality and is designed to withstand pressure class PN16 and temperatures ranging from -20 to 110 °C. It is developed to fit within the dimension range of DN from 40 to 600. With this product, you can be sure that you are getting a reliable and robust solution for your needs.

For shut-off and regulation. Hot and cold water:
- Heating and cooling systems
- Water-glycol mixture
- Water with some oil content
- Saltwater, brackish water
- Vacuum
- Neutral gases

EPDM rubber: Hot water, air, neutral gases, some diluted inorganic acids, some alcohols (max 30%)

## Tender text

**PSB.2 Rotary butterfly valves**
Butterfly valve AT 2343B, with a cast iron body and a fixed vulcanized EPDM liner in the body, as well as a stainless duplex steel disc. Double flanged design.
AT 2343BS with lever standard up to DN150,
AT 2343BV with gearbox standard from DN150.

## Quality assurance

AFS 2023:5, PED 2014/68/EU
**The product is CE marked**
**Product marking:** Model, DN, Flange, Bodymaterial, Seat material, Disc material, PS, TS, PT, date of test, serialnumber, standard and AT-number

## Energy and environment declaration

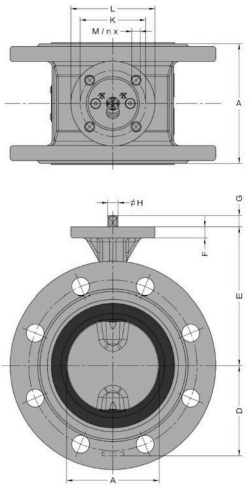
**Reach date:** 6/14/2023 12:00:00 AM

| Pos | Component | Material |
|---|---|---|

## Measurements and weight

**Dimension range (DN):** 40 - 300

| Item number | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|
| 2343BS40 | 106 | | | 58 | 113 | 12 | | |
| 2343BS50 | 108 | | | 63 | 118 | 12 | | |
| 2343BS65 | 112 | | | 71 | 126 | 12 | | |
| 2343BS80 | 114 | | | 78 | 133 | 12 | | |
| 2343BS100 | 127 | | | 98 | 147 | 12 | | |
| 2343BS125 | 140 | | | 109 | 160 | 12 | | |
| 2343BV150 | 140 | | | 133 | 180 | 14 | | |
| 2343BV200 | 152 | | | 158 | 204 | 14 | | |
| 2343BV250 | 165 | | | 194 | 245 | 14 | | |
| 2343BV300 | 178 | | | 219 | 270 | 14 | | |



## 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 minimizes energy losses. The valve is tight regardless of flow direction.

Valve body in double flanged design up to DN 300. Hole pattern according to PN16.
Construction length according to SS-EN 558, series 13. 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:** Ductile iron
**Main material code:** Ductile iron GJS-400-15 (GGG40)
**Included materials:** Ductile iron

**Included material code:** Ductile iron GJS-400-15 (GGG40)
**Temperature (°C):** -20 - 110
**PN:** 16
**Connection:** Flanged EN1092
**ETIM classification:** EC010910 - Butterfly valve
**BK04 code:** 20706 Single-leaf dampers
**Product colour:** RAL 2000 - Yellow orange

| Item number | KVS | Connection according to ISO 5211 | Stem type | Stem measurments | Required torque (Nm) | Leakagerate |
|---|---|---|---|---|---|---|
| 2343BS40 | 95 | F07 | Parallel square | 10x10mm | 4 | Rate A acc. to EN 12266-1:2012 |
| 2343BS50 | 95 | F07 | Parallel square | 10x10mm | 6 | Rate A acc. to EN 12266-1:2012 |
| 2343BS65 | 231 | F07 | Parallel square | 10x10mm | 10 | Rate A acc. to EN 12266-1:2012 |
| 2343BS80 | 491 | F07 | Parallel square | 10x10mm | 16 | Rate A acc. to EN 12266-1:2012 |
| 2343BS100 | 690 | F07 | Parallel square | 12x12mm | 29 | Rate A acc. to EN 12266-1:2012 |
| 2343BS125 | 1945 | F07 | Parallel square | 12x12mm | 45 | Rate A acc. to EN 12266-1:2012 |
| 2343BV150 | 1945 | F07 | Parallel square | 14x14mm | 65 | Rate A acc. to EN 12266-1:2012 |
| 2343BV200 | 4095 | F07 | Parallel square | 17x17mm | 141 | Rate A acc. to EN 12266-1:2012 |
| 2343BV250 | 6085 | F10 | Parallel square | 22x22mm | 276 | Rate A acc. to EN 12266-1:2012 |
| 2343BV300 | 9570 | F10 | Parallel square | 22x22mm | 394 | Rate A acc. to EN 12266-1:2012 |

## Installation and maintenance

**Flowdirection:** Bi-directional
**Possible mounting position:** Vertical, Horizontal
**Possible mounting position notes:** The stem should not be mounted so that it is pointing downwards as this may cause leakage.
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 case of unilateral mounting, bolts and nuts shall not be

tightened with a higher torque than specified in the table of the relevant standard. The valve should be exercised regularly to avoid the accumulation of dirt that can lead to leakage.

## Please feel free to contact us

We answer your questions by e-mail and telephone. No question is too small, no challenge is too big. You are always welcome at Armatec.

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THE COMPANY'S MANAGEMENT SYSTEM
IS CERTIFIED BY DNV
ISO 9001 • ISO 14001