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.

Dimension range (DN)	50 - 2200
PN	10 - 16
Temperature (°C)	0 - 90
Main material	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.

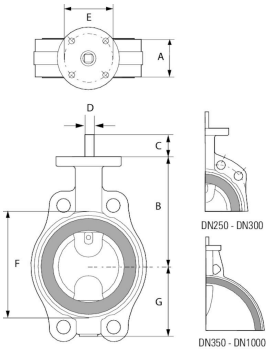
Tender text

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