



Product information

RELAUNCH! Our loyal servant for 50 years has come in a new design. The AT 2311B 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 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 2311B 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 dimensional range (DN, liters) from 40 to 300. 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
- Glycol-mixed 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 2311B, with a cast iron body and a fixed vulcanized EPDM liner in the body, as well as a stainless steel disc.

AT 2311BS with lever standard up to DN150,

AT 2311BV with gearbox standard from DN150.

Quality assurance

PED 2014/68/EU, AFS 2016:1

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

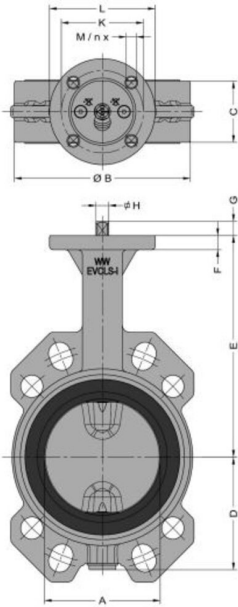
Reach date: 6/14/2023 12:00:00 AM

Pos	Component	Material
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Measurements and weight

Dimension range (DN): 40 - 300

Item number	A	B	C	E	F	Net weight (kg)
BV1107040B	33	147	58	10		3.1
BV1109050B	43	152	63	34	10	4
BV1107050B	43	152	63	10		4.1
BV1109065B	46	160	71	34	10	5
BV1109080B	46	168	78	34	10	5
BV1109100B	52	189	98	34	12	6
BV1107100B	52	189	98	12		6.1
BV1109125B	56	202	109	34	12	9
BV1109150B	56	224	133	34	16	10
BV1107200B	60	248	158	19		15.2
BV1107250B	68	280	194	24		24.85
BV1107300B	78	305	219	24		36.85
BV1103040B	33	147	58	10	9	2
BV1103050B	43	152	63	10	9	3
BV1103065B	46	160	71	10	9	4
BV1103080B	46	168	78	10	9	4
BV1103100B	52	189	98	12	11	5
BV1103125B	56	202	109	16	14	8
BV1103150B	56	224	133	16	14	9



Item number	A	B	C	E	F	Net weight (kg)
BV1103200B	60	248	158	19	17	14
BV1103250B	68	280	194	24	22	23
BV1103300B	78	305	219	24	22	35

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 2311B is equipped with mounting ears up to DN 300. Hole pattern DN40-DN300 fits flanges PN6/PN10/PN16 and CL150. Butterfly valve AT 2311B DN 40-300 is delivered as standard with a high spindle neck for over-insulation. Construction length according to SS-EN 558, series 20.

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: Stainless steel, Rubber

Included material code: EPDM (ethylene propylene diene monomer rubber), Stainless steel AISI 304 (1.4301)

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 measurements	Required torque (Nm)
BV1107040B	95	F07	Parallel square	9x9mm	4
BV1109050B	95	F07	Parallel square	10x10mm	6
BV1107050B	95	F07	Parallel square	9x9mm	6

Item number	KVS	Connection according to ISO 5211	Stem type	Stem measurements	Required torque (Nm)
BV1109065B	231	F07	Parallel square	10x10mm	10
BV1109080B	491	F07	Parallel square	10x10mm	16
BV1109100B	690	F07	Parallel square	12x12mm	29
BV1107100B	690	F07	Parallel square	11x11mm	29
BV1109125B	1450	F07	Parallel square	12x12mm	45
BV1109150B	1945	F07	Parallel square	16x16mm	65
BV1107200B	4095	F07	Parallel square	17x17mm	141
BV1107250B	6085	F10	Parallel square	22x22mm	276
BV1107300B	9570	F10	Parallel square	22x22mm	394
BV1103040B	95	F07	Parallel square	9x9mm	4
BV1103050B	95	F07	Parallel square	9x9mm	6
BV1103065B	231	F07	Parallel square	9x9mm	10
BV1103080B	491	F07	Parallel square	9x9mm	16
BV1103100B	690	F07	Parallel square	11x11mm	29
BV1103125B	1450	F07	Parallel square	14x14mm	45
BV1103150B	1945	F07	Parallel square	14x14mm	65

Item number	KVS	Connection according to ISO 5211	Stem type	Stem measurements	Required torque (Nm)
BV1103200B	4095	F07	Parallel square	17x17mm	141
BV1103250B	6085	F10	Parallel square	22x22mm	276
BV1103300B	9570	F10	Parallel square	22x22mm	394

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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