



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

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

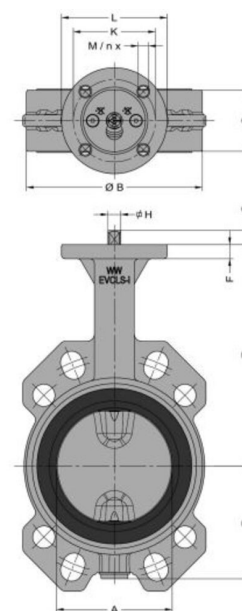
Reach date: 6/14/2023 12:00:00 AM

Pos	Component	Material
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Measurements and weight

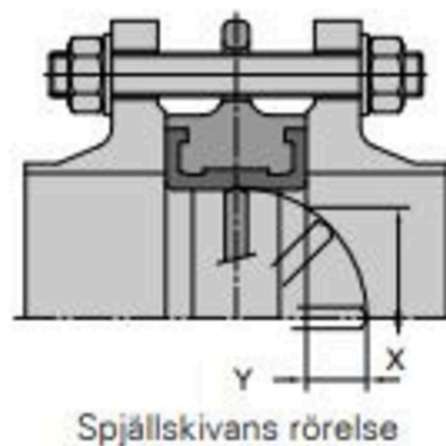
Dimension range (DN): 40 - 300

Item number	A	B	C	D	E	F	G	H	Net weight (kg)
2311BS40	40	86	33	58	147	12	34	10	3
2311BV40	40	86	33	58	147	12	15	9	3.1
2311BS50	50	100	43	63	152	12	34	10	4
2311BV50	50	100	43	63	152	12	15	9	4.1
2311BS65	65	115	46	71	160	12	34	10	5
2311BV65	65	115	46	71	160	12	15	9	5.1
2311BS80	80	130	46	78	168	12	34	10	5
2311BV80	80	130	46	78	168	12	15	9	5.1
2311BS100	100	150	52	98	189	12	34	12	6
2311BV100	100	150	52	98	189	12	12	12	6.1
2311BS125	125	182	56	109	202	12	34	12	9
2311BV125	125	182	56	109	202	14	16	12	9.1
2311BS150	150	210	56	133	224	14	34	14	10
2311BV150	150	210	56	133	224	14	16	14	10.2
2311BV200	200	262	60	158	248	14	19	17	15.2
2311BV250	250	315	68	194	280	15	24	22	24.85
2311BV300	300	371	78	219	305	15	24	22	36.85
2311B-40	40	86	33	58	147	12	15	9	2



Item number	A	B	C	D	E	F	G	H	Net weight (kg)
2311B-50	50	100	43	63	152	12	15	9	3
2311B-65	65	115	46	71	160	12	15	9	4
2311B-80	80	130	46	78	168	12	15	9	4
2311B-100	100	150	52	98	189	12	12	11	5
2311B-125	125	182	56	109	202	12	16	14	8
2311B-150	150	210	56	133	224	14	16	14	9
2311B-200	200	262	60	158	248	14	19	17	14
2311B-250	250	315	68	194	280	15	24	22	23
2311B-300	300	371	78	219	305	15	24	22	35

DN	X	Y
40	24	4
50	27	4
65	47	10
80	67	18
100	87	25
125	113	35
150	140	48
200	191	70
250	242	92
300	289	111



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)	Leakage rate
2311BS40	95	F07	Parallel square	10x10mm	4	Rate A acc. to EN 12266-1:2012
2311BV40	95	F07	Parallel square	9x9mm	4	Rate A acc. to EN 12266-1:2012
2311BS50	95	F07	Parallel square	10x10mm	6	Rate A acc. to EN 12266-1:2012
2311BV50	95	F07	Parallel square	9x9mm	6	Rate A acc. to EN 12266-1:2012
2311BS65	231	F07	Parallel square	10x10mm	10	Rate A acc. to EN 12266-1:2012
2311BV65	231	F07	Parallel square	9x9mm	10	Rate A acc. to EN 12266-1:2012
2311BS80	491	F07	Parallel square	10x10mm	16	Rate A acc. to EN 12266-1:2012
2311BV80	491	F07	Parallel square	9x9mm	16	Rate A acc. to EN 12266-1:2012
2311BS100	690	F07	Parallel square	12x12mm	29	Rate A acc. to EN 12266-1:2012

Item number	KVS	Connection according to ISO 5211	Stem type	Stem measurments	Required torque (Nm)	Leakagerate
2311BV100	690	F07	Parallel square	11x11mm	29	Rate A acc. to EN 12266-1:2012
2311BS125	1450	F07	Parallel square	12x12mm	45	Rate A acc. to EN 12266-1:2012
2311BV125	1450	F07	Parallel square	14x14mm	45	Rate A acc. to EN 12266-1:2012
2311BS150	1945	F07	Parallel square	16x16mm	65	Rate A acc. to EN 12266-1:2012
2311BV150	1945	F07	Parallel square	14x14mm	65	Rate A acc. to EN 12266-1:2012
2311BV200	4095	F07	Parallel square	17x17mm	141	Rate A acc. to EN 12266-1:2012
2311BV250	6085	F10	Parallel square	22x22mm	276	Rate A acc. to EN 12266-1:2012
2311BV300	9570	F10	Parallel square	22x22mm	394	Rate A acc. to EN 12266-1:2012
2311B-40	95	F07	Parallel square	9x9mm	4	Rate A acc. to EN 12266-1:2012
2311B-50	95	F07	Parallel square	9x9mm	6	Rate A acc. to EN 12266-1:2012
2311B-65	231	F07	Parallel square	9x9mm	10	Rate A acc. to EN 12266-1:2012
2311B-80	491	F07	Parallel square	9x9mm	16	Rate A acc. to EN 12266-1:2012
2311B-100	690	F07	Parallel square	11x11mm	29	Rate A acc. to EN 12266-1:2012
2311B-125	1450	F07	Parallel square	14x14mm	45	Rate A acc. to EN 12266-1:2012
2311B-150	1945	F07	Parallel square	14x14mm	65	Rate A acc. to EN 12266-1:2012
2311B-200	4095	F07	Parallel square	17x17mm	141	Rate A acc. to EN 12266-1:2012

Item number	KVS	Connection according to ISO 5211	Stem type	Stem measurements	Required torque (Nm)	Leakage rate
2311B-250	6085	F10	Parallel square	22x22mm	276	Rate A acc. to EN 12266-1:2012
2311B-300	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
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