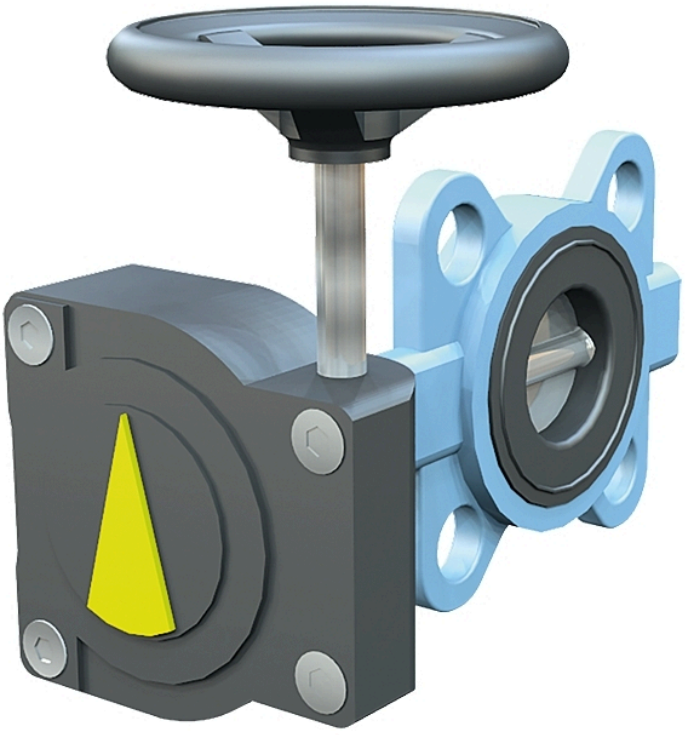
Butterflyvalve AT 2301A



Product information

Butterfly valve with stainless steel disc and EPDM rubber lining. Used for shutting off hot and cold water, air, and other neutral gases in heating, cooling, ventilation, irrigation, and sprinkler systems. AT 2301ALUG is suitable as an end valve for blind flanges and for one-sided installation.

Dimension range (DN)	32 - 600
PN	10 - 16
Temperature (°C)	-20 - 110
Main material	Ductile iron

Area of use

For the shut-off and regulation of hot and cold water, as well as air and other neutral gases in heating, cooling, ventilation, irrigation, and sprinkler systems, AT 2301ALUG is suitable as an end valve for blind flanges and for one-sided installation up to a maximum of 0.4 x PN class. With counter flange mounted up to PN class.

Tender text

PSB.2 Rotary butterfly valves
Butterfly valve AT 2301A, alternatively AT 2301ALUG for single-sided flange mounting, with a cast iron body and a loose EPDM liner, as well as a stainless steel disc. Can be supplied with an NBR liner and a disc and shaft made of acid-resistant steel.
AT 2301AS with lever standard up to DN200,
AT 2301AV with gearbox standard DN250 to DN500.

Quality assurance

AFS 2023:5, PED 2014/68/EU
The product is CE marked
Product marking: Brand, DN, PN, material, according to SS-EN 19.

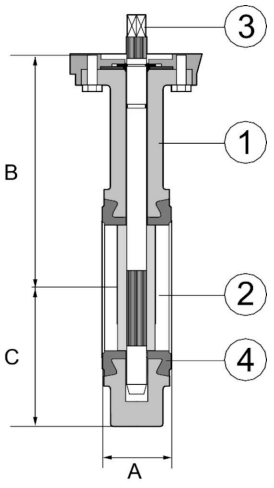
Energy and environment declaration

Subject to notification under REACH: No
Reach date: 12/06/2026

Item number	CO2 ATSE (A1-A3/kgCO2e)
2301AS40	23.1
2301AS50	23.1
2301AV50	30.36
2301AS65	29.7
2301AV65	36.96
2301AS80	33
2301AV80	40.26
2301AS100	42.9
2301AV100	50.16
2301AS125	52.8
2301AV125	66
2301AS150	59.4
2301AV150	72.6
2301AS200	99
2301AV200	112.2
2301AV250	168.96
2301AV300	225.06
2301AV400	363
2301ALUGS32	0
2301ALUGS50	23.1
2301ALUGS65	29.7
2301ALUGV065	52.8
2301ALUGS80	42.9
2301ALUGS100	52.8
2301ALUGV100	52.8
2301ALUGS125	72.6
2301ALUGV125	72.6
2301ALUGS150	79.2

Item number	CO2 ATSE (A1-A3/kgCO2e)
2301ALUGV150	92.4
2301ALUGS200	122.1
2301ALUGV200	122.1
2301ALUGS250	188.1
2301ALUGV250	188.1
2301ALUGS300	277.2
2301ALUGV300	277.2
2301ALUGV350	0
2301ALUGV400	0

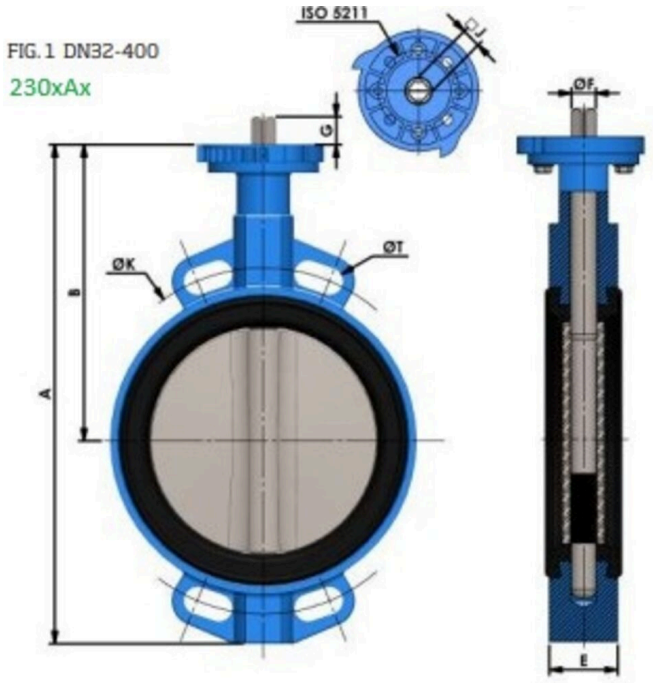
Pos	Component	Material



Measurements and weight

Dimension range (DN): 32 - 600

Measurements valve



Item number	A	B	E	G	E	F	G	ØD (Operator)	Net weight (kg)
2301AS40	206	140	33	14	170	205	205		2.5
2301AS50	228	156	43	14	186	205	205		4
2301AV50	228	156	43	14	229	128	128	140	5
2301AS65	248	161	46	16	191	205	205		5
2301AV65	248	161	46	16	234	128	128	140	6
2301AS80	265	169	46	16	199	205	205		5.5
2301AV80	265	169	46	16	242	128	128	140	6.5
2301AS100	298	187	52	20	217	205	205		7
2301AV100	298	187	52	20	260	128	128	140	8
2301AS125	331	206	56	20	235	330	330		9.5
2301AV125	331	206	56	20	279	128	128	200	10
2301AS150	349	215	56	20	245	330	330		10.5
2301AV150	349	215	56	20	288	128	128	200	11
2301AS200	430	255	60	24	285	330	330		16.5
2301AV200	430	255	60	24	328	128	128	200	17
2301AV250	461	248	68	24	352	175	175	300	25.5
2301AV300	524	280	78	24	384	175	175	300	34

Item number	A	B	E	G	E	F	G	ØD (Operator)	Net weight (kg)
2301AV400	644	340	102	29	467	224	224	400	61.5
2301ALUGS32	205	140	33	14	170	205			3.5
2301ALUGS50	226	156	43	14	186	205	205		4
2301ALUGS65	246	161	46	16	191	205	205		5
2301ALUGV065	246	161	46	16	234	128	116	140	6
2301ALUGS80	259	169	46	16	199	205	205		7
2301ALUGS100	295	187	52	20	217	205	205		8.5
2301ALUGV100	295	187	52	20	260	128	116	140	9.5
2301ALUGS125	325	206	56	20	236	330	330		12
2301ALUGV125	325	206	56	20	279	128	120	200	13
2301ALUGS150	352	215	56	20	245	330	330		13
2301ALUGV150	352	215	56	20	288	128	120	200	14
2301ALUGS200	422	255	60	24	285	330	330		19.5
2301ALUGV200	422	255	60	24	328	128	120	200	20.5
2301ALUGS250	460	248	68	24	331	600	600		31
2301ALUGV250	460	248	68	24	352	175	223	300	32.5
2301ALUGS300	523	280	78	24	363	600	600		44.5
2301ALUGV300	523	280	78	24	384	175	223	300	46
2301ALUGV350	570	300	78	22	427	224	322	400	62.5
2301ALUGV400	644	340	102	27	467	224	322	400	86.5

Function and design

Fully sealed maintenance-free butterfly valve with a centrally located disc, split "blow-out" safe spindle, fully housed and rubber-lined.

The rubber lining serves as a flange gasket and protects the housing from corrosion. The outer profiles of the lining are compressed between the pipe flanges during installation and ensure a tight seal against the atmosphere. The AT 2301A butterfly valve has a high spindle neck as standard for over-insulation up to DN 200. Suitable for clamping between PN10, 16 and ASME Class 150 (DIN 2501) flanges. The construction with threaded lugs means that the valve remains in the pipeline during one-sided pipe disassembly and can also be used as an end valve with a counter-flange mounted. Without a counter-flange mounted, the maximum is 0.4 x PN class. Top flange according to ISO 5211. Surface treated class C4 according to ISO 12944.

Technical data

Main material: Ductile iron
Main material code: Ductile iron GJS-500-7 (GGG50)
Included materials: Stainless steel, Rubber, Ductile iron
Included material code: Acid resistant stainless steel AISI 316 (1.4408, CF8M) , Ductile iron GJS-500-7 (GGG50), EPDM (ethylene propylene diene monomer rubber)
Temperature (°C): -20 - 110
PN: 10 - 16
Connection: Flanged EN1092
ETIM classification: EC010910 - Butterfly valve
BK04 code: 20706 Single-leaf dampers

2301A, Technical data

Item number	KVS	PN	Leakagerate	Manoeuvering
2301AS40	70	16	Rate A acc. to EN 12266-1:2012	Lever
2301AS50	164	16	Rate A acc. to EN 12266-1:2012	Lever
2301AV50	164	16	Rate A acc. to EN 12266-1:2012	Gearbox
2301AS65	201	16	Rate A acc. to EN 12266-1:2012	Lever
2301AV65	201	16	Rate A acc. to EN 12266-1:2012	Gearbox
2301AS80	359	16	Rate A acc. to EN 12266-1:2012	Lever
2301AV80	359	16	Rate A acc. to EN 12266-1:2012	Gearbox
2301AS100	627	16	Rate A acc. to EN 12266-1:2012	Lever
2301AV100	627	16	Rate A acc. to EN 12266-1:2012	Gearbox
2301AS125	995	16	Rate A acc. to EN 12266-1:2012	Lever
2301AV125	995	16	Rate A acc. to EN 12266-1:2012	Gearbox
2301AS150	1471	16	Rate A acc. to EN 12266-1:2012	Lever
2301AV150	1471	16	Rate A acc. to EN 12266-1:2012	Gearbox
2301AS200	2509	16	Rate A acc. to EN 12266-1:2012	Lever
2301AV200	2509	16	Rate A acc. to EN 12266-1:2012	Gearbox
2301AV250	3936	10	Rate A acc. to EN 12266-1:2012	Gearbox
2301AV300	5865	10	Rate A acc. to EN 12266-1:2012	Gearbox
2301AV400	10660	10	Rate A acc. to EN 12266-1:2012	Gearbox
2301ALUGS32	70	16	Rate A acc. to EN 12266-1:2012	Lever
2301ALUGS50	164	16	Rate A acc. to EN 12266-1:2012	Lever
2301ALUGS65	201	16	Rate A acc. to EN 12266-1:2012	Lever

Item number	KVS	PN	Leakagerate	Manoeuvering
2301ALUGV065	201	16	Rate A acc. to EN 12266-1:2012	Gearbox
2301ALUGS80	359	16	Rate A acc. to EN 12266-1:2012	Lever
2301ALUGS100	638	16	Rate A acc. to EN 12266-1:2012	Lever
2301ALUGV100	627	16	Rate A acc. to EN 12266-1:2012	Gearbox
2301ALUGS125	995	16	Rate A acc. to EN 12266-1:2012	Lever
2301ALUGV125	995	16	Rate A acc. to EN 12266-1:2012	Gearbox
2301ALUGS150	1471	16	Rate A acc. to EN 12266-1:2012	Lever
2301ALUGV150	1471	16	Rate A acc. to EN 12266-1:2012	Gearbox
2301ALUGS200	2509	16	Rate A acc. to EN 12266-1:2012	Lever
2301ALUGV200	2509	16	Rate A acc. to EN 12266-1:2012	Gearbox
2301ALUGS250	3936	10	Rate A acc. to EN 12266-1:2012	Lever
2301ALUGV250	3936	10	Rate A acc. to EN 12266-1:2012	Gearbox
2301ALUGS300	5865	10	Rate A acc. to EN 12266-1:2012	Lever
2301ALUGV300	5865	10	Rate A acc. to EN 12266-1:2012	Gearbox
2301ALUGV350				
2301ALUGV400				

Installation and maintenance

Flowdirection: Bi-directional
Possible mounting position: Vertical, Horizontal
The valve is intended to be mounted between flanges without gaskets and, where possible, with the shafts in a horizontal or vertical position. The valve must not be mounted with the shaft downwards. When mounting, the disc should be rotated until it is fully open before tightening the bolts. Otherwise, an excessively high torque will be created in the initial opening, which can lead to permanent damage to the valve disc. The valve should be regularly operated to avoid the accumulation of dirt that can lead to leakage.

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

Get into the flow

Get into the flow with Armatec.

armatec

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