

Butterfly Valve EUROSTOP - Manual type



Flanged Butterfly Valve (flange-flange) with joint in the automatic butterfly (JPA) with double eccentricity and long spacing between the flanges.

Ductile iron body and butterfly covered with blue epoxy powder thickness 250 microns mini average according prescriptions of EN 14901-1 (PECB).

Range from DN150 to DN2000mm for pressures of PFA10 to 25 bar.

The EUROSTOP butterfly valve is available in different configuration: manual, buried service, motorized and motorizable (for this three last configuration see the specific TDS).

DN (mm)	PN	Closing direction	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M (mm)	D (mm)	R (mm)	Mass (kg)	References
150	10 16	Clockwise	210	215	142.9	164	143	50	150	285	100	34.67	RPB15NGAH
150	10 16	Anti-Clockwise	210	215	142.9	164	143	50	150	285	100	36.00	RPB15NJAH
200	10	Anti-Clockwise	230	240	171	164	170	50	180	340	100	49.00	RPB20NJBH
250	10	Clockwise	250	292	215.3	164	200	50	230	400	100	65.00	RPB25NGBH
250	10	Anti-Clockwise	250	292	215.3	164	200	50	230	400	100	81.00	RPB25NJBH
300	10	Clockwise	270	316	239.3	164	228	50	250	455	100	80.00	RPB30NGBH
300	10	Anti-Clockwise	270	316	239.3	164	228	50	250	455	100	101.00	RPB30NJBH
350	10	Clockwise	290	340	258.3	201	253	63	260	505	125	111.00	RPB35NGBH
350	10	Anti-Clockwise	290	340	258.3	201	253	63	260	505	125	123.00	RPB35NJBH
400	10	Clockwise	310	371	311.4	201	283	63	310	565	125	120.00	RPB40NGBH
400	10	Anti-Clockwise	310	371	311.4	201	283	63	310	565	125	159.00	RPB40NJBH

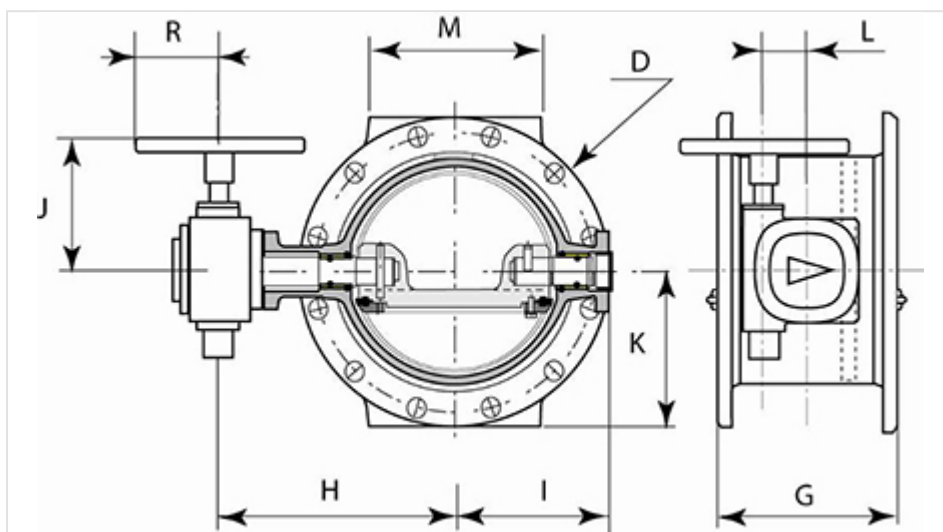
DN (mm)	PN	Closing direction	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M (mm)	D (mm)	R (mm)	Mass (kg)	References
450	10	Clockwise	330	427	342.4	206	308	80	340	615	125	183.00	RPB45NGBH
450	10	Anti-Clockwise	330	427	342.4	206	308	80	340	615	125	183.00	RPB45NJBH
500	10	Clockwise	350	452	367.4	206	335	80	320	670	125	198.00	RPB50NGBH
500	10	Anti-Clockwise	350	452	367.4	206	335	80	320	670	125	190.00	RPB50NJBH
600	10	Clockwise	390	524	421.4	268	390	100	300	780	175	277.00	RPB60NGBH
600	10	Anti-Clockwise	390	524	421.4	268	390	100	300	780	175	275.00	RPB60NJBH
700	10	Clockwise	430	594	495.5	337	448	100	440	895	175	410.00	RPB70NGBH
700	10	Anti-Clockwise	430	594	495.5	337	448	100	440	895	175	446.00	RPB70NJBH
800	10	Clockwise	470	675	569.5	342	508	125	480	1015	175	570.00	RPB80NGBH
800	10	Anti-Clockwise	470	675	569.5	342	508	125	480	1015	175	570.00	RPB80NJBH
900	10	Clockwise	510	724	623	342	558	125	570	1115	175	755.00	RPB90MGBH
900	10	Anti-Clockwise	510	724	623	342	558	125	570	1115	175	755.00	RPB90MJBH
1000	10	Clockwise	550	815	707	480	615	160	620	1230	175	1005.00	RPC10MGBH
1000	10	Anti-Clockwise	550	815	707	480	615	160	620	1230	175	1050.00	RPC10MJBH
1200	10	Clockwise	630	909	842	548	728	200	750	1455	175	1831.00	RPC12MGBH
1200	10	Anti-Clockwise	630	909	842	548	728	200	750	1455	175	1685.00	RPC12MJBH
1400	10	Clockwise	710	1051	953	595	838	250	850	1675	250	2512.00	RPC14MGBH
1400	10	Anti-Clockwise	710	1051	953	595	838	250	850	1675	250	2512.00	RPC14MJBH
1500	10	Clockwise	750	1102	1004	595	893	250	900	1785	250	2873.00	RPC15MGBH
1500	10	Anti-Clockwise	750	1102	1004	595	893	250	900	1785	250	2873.00	RPC15MJBH
1600	10	Clockwise	790	1154	1056	595	958	250	950	1915	250	3470.00	RPC16MGBH
1600	10	Anti-Clockwise	790	1154	1056	595	958	250	950	1915	250	3470.00	RPC16MJBH
1800	10	Clockwise	870	1331	1179	755	1058	315	1000	2115	250	4965.00	203233
2000	10	Clockwise	950	1526	1367	848	1173	400	1050	2345	400	6560.00	203244

DN (mm)	PN	Closing direction	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M (mm)	D (mm)	R (mm)	Mass (kg)	References
200	16	Clockwise	230	240	171.9	164	170	50	180	340	100	46.00	RPB20NGAH
200	16	Anti-Clockwise	230	240	171.9	164	170	50	180	340	100	49.00	RPB20NJAH
250	16	Clockwise	250	292	215.3	164	200	50	230	400	100	67.00	RPB25NGAH
300	16	Clockwise	270	321	239.3	201	228	63	250	455	125	88.00	RPB30NGAH
300	16	Anti-Clockwise	270	321	239.3	201	228	63	250	455	125	101.00	RPB30NJAH
350	16	Clockwise	290	340	280.4	201	260	63	260	520	125	125.00	RPB35NGAH
350	16	Anti-Clockwise	290	340	280.4	201	260	63	260	520	125	150.00	RPB35NJAH
400	16	Clockwise	310	407	322.4	206	290	80	310	580	125	145.00	RPB40NGAH

DN (mm)	PN	Closing direction	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M (mm)	D (mm)	R (mm)	Mass (kg)	References
400	16	Anti-Clockwise	310	407	322.4	206	290	80	310	580	125	145.00	RPB40NJAH
450	16	Clockwise	330	427	342.4	206	320	80	340	640	125	207.00	RPB45NGAH
450	16	Anti-Clockwise	330	427	342.4	206	320	80	340	640	125	252.00	RPB45NJAH
500	16	Clockwise	350	470	367.4	248	358	100	320	715	175	240.00	RPB50NGAH
500	16	Anti-Clockwise	350	470	367.4	248	358	100	320	715	175	240.00	RPB50NJAH
600	16	Clockwise	390	550	451.5	334	420	100	300	840	175	377.00	RPB60NGAH
600	16	Anti-Clockwise	390	550	451.5	334	420	100	300	840	175	375.00	RPB60NJAH
700	16	Clockwise	430	627	521.5	340	455	125	440	910	175	543.00	RPB70NGAH
700	16	Anti-Clockwise	430	627	521.5	340	455	125	440	910	175	485.00	RPB70NJAH
800	16	Clockwise	470	713	602	415	513	160	480	1025	175	986.00	RPB80MGAH
800	16	Anti-Clockwise	470	703	602	415	513	160	480	1025	175	986.00	RPB80MJAH
900	16	Clockwise	510	764	653	415	563	160	570	1125	175	1152.00	RPB90MGAH
900	16	Anti-Clockwise	510	764	653	415	563	160	570	1125	175	910.00	RPB90MJAH
1000	16	Clockwise	550	815	748	545	628	200	620	1255	175	1479.00	RPC10MGAH
1000	16	Anti-Clockwise	550	815	748	545	628	200	620	1255	175	1129.00	RPC10MJAH
1200	16	Clockwise	630	950	852	622	743	250	750	1485	250	2357.00	RPC12MGAH
1200	16	Anti-Clockwise	630	950	852	622	743	250	750	1485	250	2357.00	RPC12MJAH
1400	16	Clockwise	710	1125	973	755	843	315	850	1685	250	3500.00	203207
1500	16	Clockwise	750	1156	1077	755	933	315	900	1865	250	5582.00	203213
1600	16	Clockwise	790	1229	1119	755	965	315	950	1930	250	4916.00	203222
1800	16	Clockwise	870	1431	1272	848	1065	400	1000	2130	400	6974.00	203237
2000	16	Clockwise	950	1526	1367	848	1173	400	1050	2345	400	8500.00	203248

DN (mm)	PN	Closing direction	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M (mm)	D (mm)	R (mm)	Mass (kg)	References
150	25	Clockwise	210	217	147.9	164	150	50	150	300	100	42.24	RPB15NGDH
150	25	Anti-Clockwise	210	217	147.9	164	150	50	150	300	100	39.00	RPB15NJDH
200	25	Clockwise	230	269	190.3	164	180	50	180	360	100	56.00	RPB20NGDH
200	25	Anti-Clockwise	230	269	190.3	164	180	50	180	360	100	55.00	RPB20NJDH
250	25	Clockwise	250	297	214.3	201	213	63	230	425	125	88.00	RPB25NGDH
250	25	Anti-Clockwise	250	292	215.3	164	200	50	230	400	100	88.00	RPB25NJDH
300	25	Clockwise	270	321	260.4	201	243	63	250	485	125	120.00	RPB30NGDH
300	25	Anti-Clockwise	270	321	260.4	201	243	63	250	485	125	120.00	RPB30NJDH
350	25	Clockwise	290	376	290.4	206	278	80	310	555	125	174.00	RPB35NGDH
350	25	Anti-Clockwise	290	376	290.4	206	278	80	310	555	125	174.00	RPB35NJDH

DN (mm)	PN	Closing direction	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M (mm)	D (mm)	R (mm)	Mass (kg)	References
400	25	Clockwise	310	425	321.4	248	310	100	310	620	175	210.00	RPB40NGDH
400	25	Anti-Clockwise	310	425	321.4	248	310	100	310	620	175	249.00	RPB40NJDH
450	25	Clockwise	330	471	371.4	334	335	100	340	670	175	300.00	RPB45NGDH
450	25	Anti-Clockwise	330	471	371.4	334	335	100	340	670	175	280.00	RPB45NJDH
500	25	Clockwise	350	498	398.5	334	365	100	320	730	175	340.00	RPB50NGDH
500	25	Anti-Clockwise	350	498	398.5	334	365	100	320	730	175	404.00	RPB50NJDH
600	25	Clockwise	390	581	474.5	340	423	125	380	845	175	517.00	RPB60NGDH
600	25	Anti-Clockwise	390	581	474.5	340	423	125	380	845	175	636.00	RPB60NJDH
700	25	Clockwise	430	665	552	415	480	160	470	960	175	975.00	RPB70MGDH
700	25	Anti-Clockwise	430	665	552	415	480	160	470	960	175	975.00	RPB70MJDH
800	25	Clockwise	470	713	645	545	543	200	480	1085	175	1120.00	RPB80MGDH
800	25	Anti-Clockwise	470	713	645	545	543	200	480	1085	175	1243.00	RPB80MJDH
900	25	Clockwise	510	788	695	545	593	200	570	1185	175	1400.00	RPB90MGDH
1000	25	Clockwise	550	856	756	622	660	250	620	1320	250	2091.00	RPC10MGDH
1000	25	Anti-Clockwise	550	856	756	622	660	250	620	1320	250	2091.00	RPC10MJDH
1200	25	Clockwise	630	1024	872	750	765	315	750	1530	250	3398.00	RPC12MGDH
1200	25	Anti-Clockwise	630	1024	872	750	765	315	750	1530	250	3430.00	RPC12MJDH
1400	25	Clockwise	710	1126	1016	750	878	315	850	1755	250	4607.00	RPC14MGDH
1500	25	Clockwise	750	1186	1078	843	933	400	900	1865	400	6052.00	203217
1600	25	Clockwise	790	1328	1169	843	988	400	950	1975	400	6200.00	RPC16MGDH



Field of application

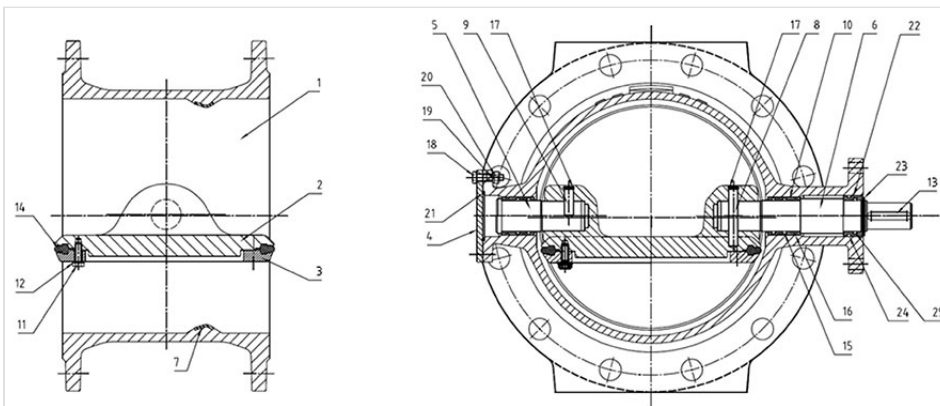
Butterfly valves are isolating valves used on water supply networks, in the interconnections of network, in the factories, in pumping stations, on the general networks and on the fire protection networks in the industrial sites.

Butterfly valves are compatible with drinking water and raw water with grid filtration. They will be installed on water networks in factories, in valves chambers or buried.

Their main advantages are:

- Low pressure loss
- Good performance thanks to the choice of the materials, the coatings and the design
- Easy operation per mechanism of the worm type/without end
- Mechanisms equipped with a standardized flange carry-accessory for buried version and motorizable version

Material and coating



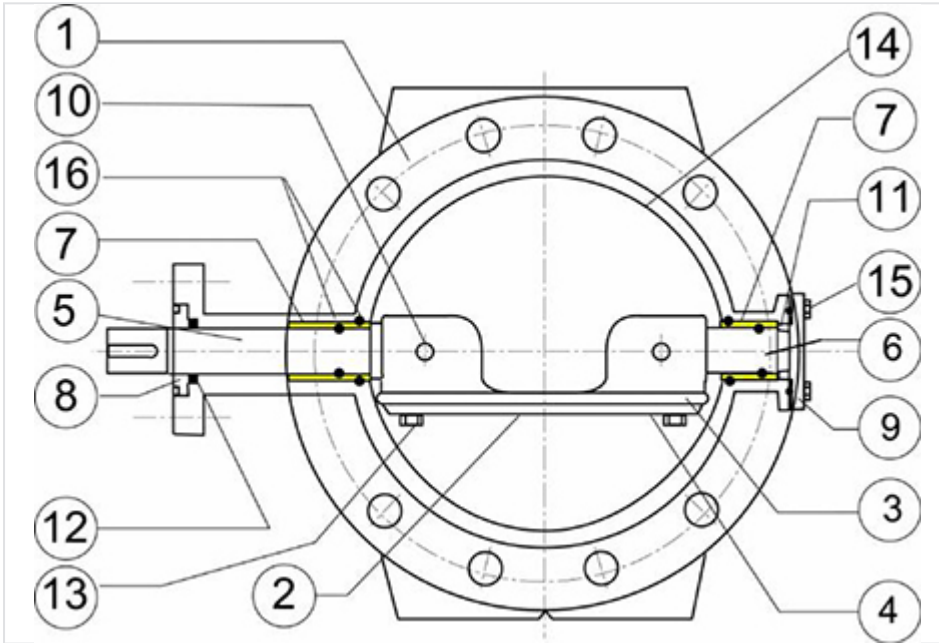
Versions DN150-800 PN10 - DN150-700 PN16 - DN150-600 PN25

Item	Description	Material	Coating
1	Body	Ductile iron GS500-7	Blue epoxy powder thickness 250 microns mini average according prescriptions of EN 14901-1
2	Disc	Ductile iron GS500-7	
3	Retaining ring (*)	Carbon Steel SR235JR	-
4	Cover	Stainless steel X2CrNiMo17-12-2	-
5	Rear shaft	Stainless steel EN 10088 X30Cr13 (420)	-
6	Drive shaft		-

Item	Description	Material	Coating
7	Seat ring	Stainless steel EN 10088-2 X2CrNiMo 17,12,2 (316L)	-
8	Cylindrical pin (rear shaft)	Stainless steel EN 10088-3 X5CrNiCuNb 16-4 (630)	-
9	Cylindrical pin (drive shaft)		-
10	Bearing	Bronze EN 1982 CuSn12	-
11	Screw	Stainless steel A2	-
12	Spring washer	Stainless steel A2	-
13	Feather key	Steel C40	-
14	Gasket	EPDM	-
15-16	O-ring	EPDM	-
17	Circular circlips	Stainless steel EN 10088-3 X5CrNi 18-10	-
18	Screw	Stainless steel EN 10088-3 X5CrNi 18-10	-
19	Spring washer	Stainless steel EN 10088-3 X5CrNi 18-10	-
20	Nut	Stainless steel EN 10088-3 X5CrNiMo 17-12	-
21	O-ring	EPDM	-
22	Bush	POM-C	-
23	External circlip	Stainless steel EN 10088-3 X5CrNi 18-10	-
24-25	O-ring	EPDM	-

(*) DN150-200 : Stainless steel AISI 316L

Material and coating



Versions DN900-2000 PN10 - DN800-2000 PN16 - DN700-2000 PN25

Item	Description	Material	Coating
1	Body	Ductile Iron GS500-7	Blue epoxy powder thickness 250 microns mini average according prescriptions of EN 14901-1
2	Disc	Ductile Iron GS500-7	
3	Sealing ring	EPDM	-
4	Retaining ring	Carbon Steel SR235JR	-
5	Shaft	Stainless steel EN 10088 X30Cr13 (420)	-
6	Spindle	-	-
7	Bearings	Bronze EN 1982 CuSn12	-
8	Ring	Gunmetal EN 1982 CuSn5Zn5Pb5	-
9	Rear cover	Carbon Steel SR235JR	Blue epoxy powder thickness 250 microns mini average according prescriptions of EN 14901-1
10	Taper pin	Stainless steel EN 10088-3 X5CrNiCuNb 16-4 (630)	-
11	Lock nut	Gunmetal EN 1982 CuSn5Zn5Pb5	-
12	Sealing element	PTFE	-

Item	Description	Material	Coating
13	Internal Screw	Stainless steel type A2	-
14	Body seat ring	Stainless steel EN 10088-2 X2CrNiMo 17,12,2 (316L)	-
15	External Screw	- up to M20: Stainless steel EN 10088-3 - > M20: Steel class 8.8	-
16	O-ring gasket	EPDM	-

Gearbox type and handwheel

Manual type PN10

DN mm	Gearbox AUMA type	Handwheel Ø mm	Number of turns at 90°	Operating torque	Ø stem gearbox
				Nm	mm
150	GS 50.3 – F10	200	12,75	8	16
200	GS 50.3 – F10	200	12,75	12	16
250	GS 50.3 – F10	200	12,75	21	16
300	GS 50.3 – F10	200	12,75	30	16
350	GS 63.3 – F12	250	12,75	40	20
400	GS 63.3 – F12	250	12,75	61	20
450	GS 80.3 – F14	250	13,25	72	20
500	GS 80.3 – F14	250	13,25	92	20
600	GS 100.3 – F16	350	13	133	20
700	GS 100.3+VZ4.3 – F16	350	52	52	20
800	GS 125.3+VZ4.3 – F25	350	52	77	20
900	GS 125.3+VZ4.3 – F25	350	52	100	20
1000	GS 160.3+GZ160.3 - F30	350	110,5	65	20
1200	GS 200.3+GZ200.3 - F30	350	213	74	20
1400	GS 250.3+GZ250.3 - F35	500	212	93	30
1500	GS 250.3+GZ250.3 - F35	500	212	110	30
1600	GS 250.3+GZ250.3 - F35	500	212	130	30
1800	GS 315+GZ30 - F40	500	424	75	20
2000	GS 315+GZ30 - F40	800	432	117	30

Gearbox type and handwheel

Manual type PN16

DN mm	Gearbox AUMA type	Handwheel Ø	Number of turns at 90°	Operating torque	Ø stem gearbox
		mm		Nm	mm
150	GS 50.3 – F10	200	12,75	8	16
200	GS 50.3 – F10	200	12,75	17	16
250	GS 50.3 – F10	200	12,75	29	16
300	GS 63.3 – F12	250	12,75	43	16
350	GS 63.3 – F12	250	12,75	60	16
400	GS 80.3 – F14	250	13,25	84	16
450	GS 80.3 – F14	250	13,25	112	16
500	GS 100.3 – F14	350	13	125	16
600	GS 100.3+VZ4.3 – F16	350	52	59	16
700	GS 125.3+VZ4.3 – F25	350	52	84	16
800	GS 160.3+GZ160.3 – F30	350	110,5	64	16
900	GS 160.3+GZ160.3 – F30	350	110,5	83	16
1000	GS 200.3+GZ200.3 – F30	350	216	65	16
1200	GS 250.3+GZ250.3 – F35	500	212	104	30
1400	GS 315+GZ30 – F40	500	424	65	20
1500	GS 315+GZ30 – F40	500	424	77	20
1600	GS 315+GZ30 – F40	500	424	94	30
1800	GS 400+GZ35 – F48	800	432	126	30
2000	GS 400+GZ35 – F48	800	432	161	30

Gearbox type and handwheel

Manual type PN25

DN mm	Gearbox AUMA type	Handwheel Ø	Number of turns at 90°	Operating torque	Ø stem gearbox
		mm		Nm	mm
150	GS 50.3 – F10	200	12,75	13	16
200	GS 50.3 – F10	200	12,75	28	16
250	GS 63.3 – F12	250	12,75	45	20
300	GS 63.3 – F12	250	12,75	71	20
350	GS 80.3 – F14	250	13,25	89	20
400	GS 100.3 – F14	350	13	122	20
450	GS 100.3+VZ4.3 – F16	350	52	45	20

DN mm	Gearbox AUMA type	Handwheel Ø	Number of turns at 90°	Operating torque	Ø stem gearbox
		mm		Nm	mm
500	GS 125.3+VZ4.3 - F25	350	52	59	20
600	GS 125.3+VZ4.3 - F25	350	52	100	20
700	GS 160.3+GZ160.3 - F30	350	110,5	70	20
800	GS 200.3+GZ200.3 - F30	350	216	66	20
900	GS 200.3+GZ200.3 - F35	350	216	84	20
1000	GS 250.3+GZ250.3 - F35	500	212	115	30
1200	GS 315+GZ30 - F40	500	424	74	20
1400	GS 315+GZ30 - F40	500	424	110	30
1500	GS 400+GZ35 - F48	800	432	133	30
1600	GS 400+GZ35 - F48	800	432	153	30

Applicable Standards

Hydraulic test

Every single butterfly valve is subjected to hydraulic final test with the purpose of verifying the accordance with the prescriptions ISO 5208:

- Body test at 1,5 time the PFA (open valve);
- Seat test at 1,1 time the PFA (closed valve).

Product test

- Control of manoeuvre torque (MOT and mST) as defined in the EN1074
- Control of coating: test of thickness, holiday test, impact test, MIBK test

Conformity to the standards

Product:

- EN 1074 - 1 and 2
- EN 593
- ISO 10631

Plant test:

- ISO 5208

Flanges dimension:

- ISO 5752 series 14

Flanges drilling:

- EN 1092-2
- ISO 7005-2

Suitability for potable water:

- Italian CM 102 of 02/12/78
- Conformity to foreign norms: KTW (Germany), WRC (U.K.), ACS (France)

Marking



On the body like EN19:

- Nominal diameter in mm (DN);
- Nominal pressure in bar (PN);
- Type of ductile iron;
- Manufacturer's logo;
- Model code;
- Fusion date.

On the label like EN19:

- Nominal diameter in mm (DN);
- Nominal pressure in bar (PN);
- Maximum operating pressure (PFA);
- Closing direction;
- Model code;
- Manufacturing order, Order confirmation;
- Manufacturer's logo.

On the disc:

- Nominal diameter in mm (DN);
- Nominal pressure in bar (PN);
- Type of ductile iron;
- Manufacturer's logo;
- Model code.

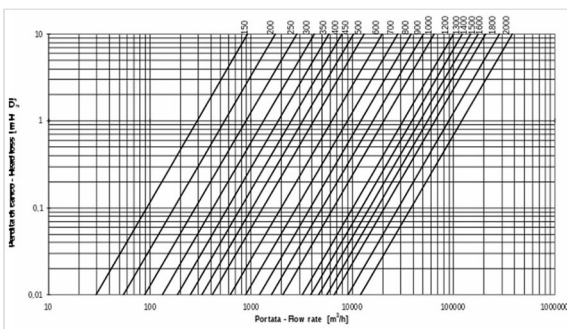
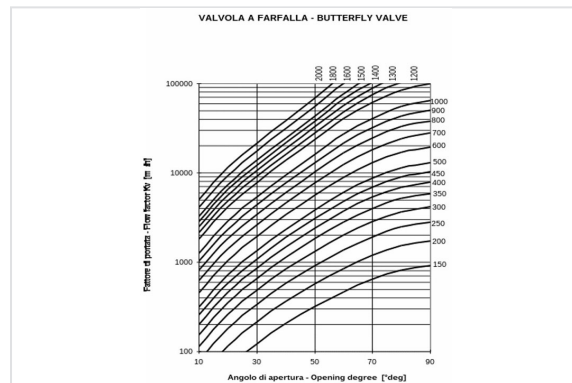
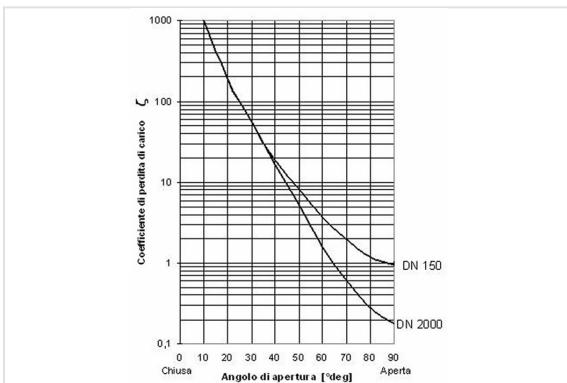
The marking of the valves manufactured by Saint-Gobain refers to the EN 1074-2 and EN 19 international standards.

Markings are either integral markings, cast in the body, or markings made on plates, securely fixed to the body, in accordance with the EN 19 standard specifications.

Specifications EN19		Saint-Gobain valves process
Table1-Valve markings	Requirements	

Specifications EN19			Saint-Gobain valves process
1	DN		Integral
2	PN	EN 19 § 4.2.1	Integral
3	Material	Mandatory markings Shall be integral markings or on a marking plate	Integral
4	Manufacturer's name or trade mark		Plate
11	Reference to Standard		Integral
12	Melt identification	EN 19 § 4.3	Integral
16	Quality test	Supplementary markings Items 7 to 21 in Table 1 are optional	Printed on body
18	Manufacturing date		Plate
21	Closing direction		Plate + sticker on body

Hydraulic features



The head loss Δh are variable in function of valve open degree and can be calculated with the following expression:

with Δh = head loss (m), ζ = head loss coefficient (dimensional), v = nominal speed (m/s), $g = 9,81$ (m/s²)

$$\Delta H = \frac{\zeta \cdot v^2}{2 \cdot g}$$

The head loss coefficient can be estimated from the diagram attached.

Determinates the head loss Δh it's possible to calculate the flow rate Q in m^3/h with the following expression (the same expression can be used to, having the project flow rate Q , to determinate the head loss Δh without using the head loss coefficient):

$$Q = K_v \sqrt{\frac{\Delta h}{10.2}}$$

in which 10,2 is a corrective factor in meters, and K_v is the flow rate coefficient in m^3/h , determinable from the following diagram in function of valve open degree:

Example: Valve DN600 mm - $\Delta h = 3$ m

From the diagram with valve open to 100% the coefficient K_v is 20000 m^3/h . Using this date in the flow rate expression:

Otherwise it's possible to calculate the head loss with valve completely open, having the project flow rate Q , in function of DN, using the following diagram:

$$Q = 2000 \times \sqrt{\frac{3}{10,2}} = 10850 \text{ m}^3/h$$

Cavitation

If the butterfly valve is used only like isolating device there's not cavitation risk.

In the particular case in which it's used like regulating device, this can be possible only respecting the following parameters:

- The valve open degree have to be between 30° and 90° (valve completely open)
- The downstream pressure P_2 have to be: $P \geq 0,7 \cdot P - 2,8$ with P upstream pressure.

Instructions for use

Storage

The butterfly valve will have to be held (if possible) in covered places, the most possible protected from the sun (maximum allowable temperature 70°C in accordance to EN 1074), from the rain and generally from the atmospheric agents. Moreover it will have to be avoided that the seal of the same air valves come to contact with powder or earth.

Installation

The butterfly valves are generally installed with retaining ring mounted in the opposite way respect to the direction of flow rate to permit the substitution of gasket without dismounting the valve from pipeline. In any case it is possible to install the butterfly valve with flow rate in opposite direction and also, if required, in vertical position. We recommend to install the butterfly with the operating device on the hydraulic right side of pipeline. It's possible to install the butterfly valve both in chamber valve that underground (choosing the right configuration).

We recommend to insert a dismounting joint for the operation of maintenance.

Maintenance

The butterfly valve does not require a particular maintenance, all parts subjected to wear are perfectly auto-lubricating. In any case, if for a long time will be not used, it is necessary to evaluate the functioning of valve doing (at least one time for year) some manoeuvre of opening-closing.

All the maintenance operation have to be do after the total emptying of pipeline (no flow rate and pressure) to avoid every risk to the people during this operation.

In presence of particularly exercise condition or damage due to external cause, it will be necessary some maintenance operation. In this case the particular shape of EUROSTOP butterfly valve permits the simple gasket substitution without the dismounting of valve from pipeline (if the dismounting joint is present).

Accessories

To adapt the butterfly valves to the different exercise and installation conditions required, they can be equipped with particular accessories used in combination with control devices: please refer to data sheet for accessories.

The technical features in this document are not contractual and can be changed without preliminary notification due to the continuous technical progress of product.

Valve selection

The butterfly valves are generally used as isolating devices type on/off. In some particular case, in which there's low differences of pressure and low flow rate variation can be used like regulating devices, considering the hydraulic parameters necessary to avoid the cavitation risk.

To do the right dimensioning of butterfly valve it's necessary to know the followings parameters:

- Upstream hydrostatic pressure (that is the hydrostatic pressure with valve in closed position)

- The maximum speed in water pipe (generally expressed in l/s) or the nominal diameter and the project flow rate from which it is gained the speed $V=Q/A$
- Moreover it's necessary to control that the maximum speed in water pipe have to be equal or inferior to 5m/s, and the exercise temperature have to be between 0°C and 40 °C.

Linked products



Operation and
maintenance instructions
for Eurostop butterfly valve

The information on this sketch is, to the best of our knowledge correct at the time of printing. However Saint-Gobain are constantly looking at ways of improving their products and services therefore reserve the right to change without prior notice, any of the data shown. Any orders placed will be subject to our Standard Conditions of Sale, available on request.