Butterfly Valves

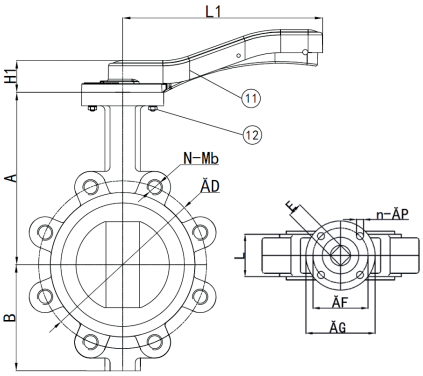
Issue 02

It's all at Albion

ART 135 PN16
Ductile Iron Butterfly Valve
Lugged and Tapped

Features

- Flange mounting PN16 only
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- Epoxy coat finish
- Lockable handle
- MSS-SP-67

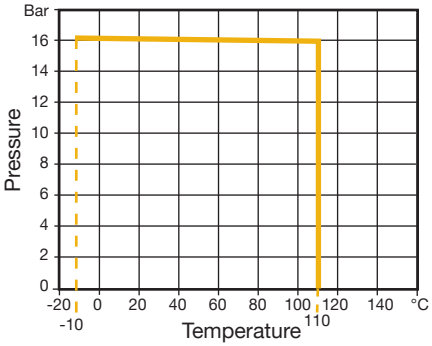


Technical data
Max pressure: 16 Bar
Working temp: -10°C to +110°C

DN	50	65	80	100	125	150	200	250	300
A	142.0	154.5	161.0	180.0	193.0	205.0	250.0	282.0	326.0
B	60	70	85	104	120	135	171	205	248
C	56	56	56	56	56	56	71	71	71
D1	125	145	160	180	210	240	295	355	410
E	11	11	11	11	14	14	17	22	22
F	70	70	70	70	70	70	102	102	102
G	90	90	90	90	90	90	125	125	125
H	19	19	19	19	19	19	25	30	30
H1	31	31	31	36	36	36	42	42	42
L	41.4	44.0	44.6	51.4	53.8	55.1	59.5	65.0	75.9
L1	176	176	176	225	225	225	300	359	359
N-Mb	4-M16	4-M16	8-M16	8-M16	8-M16	8-M20	12-M20	12-M24	12-M24
N-Äp	4-10	4-10	4-10	4-10	4-10	4-10	4-12	4-12	4-12
Torque	19	21	28	43	60	91	194	295	412
Kv	118	258	510	926	1500	2170	3842	5014	9230
Kgs	2.60	3.70	4.70	7.15	8.00	10.10	18.08	26.10	35.70

We strongly advise gearbox on all 8", 10" and 12" valves.

N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Stainless Steel 316 (CF8M)
3	Seat	WRAS EPDM
4	Upper Shaft	Stainless Steel 420
5	Lower Shaft	Stainless Steel 420
6	Bushing	PTFE
7	Cotter Pin	Spring Steel 65Mn
8	Circlip	Spring Steel 65Mn
9	O-Ring	WRAS EPDM
10	Ring	Nylon 6 PA6
11	Handle	DN50-150 Aluminium DN200-300 DI
12	Bolt	Stainless Steel 304

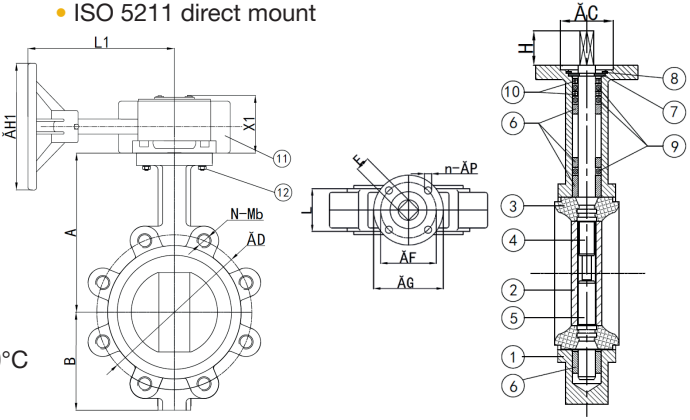


V1. Dimensions in mm

ART 135GB PN16
Ductile Iron Butterfly Valve
Lugged and Tapped

Features

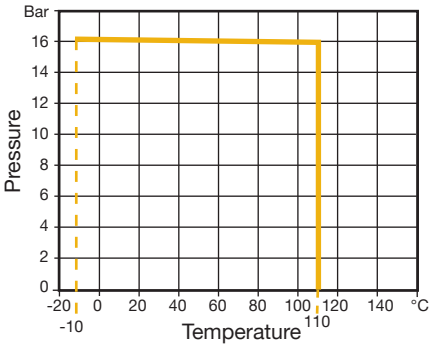
- Flange mounting PN16 only
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- Epoxy coat finish
- MSS-SP-67



Technical data
Max pressure: 16 Bar
Working temp: -10°C to +110°C

DN	50	65	80	100	125	150	200	250	300
A	142.0	154.5	161.0	180.0	193.0	205.0	250.0	282.0	326.0
B	60	70	85	104	120	135	171	205	248
C	56	56	56	56	56	56	71	71	71
D1	125	145	160	180	210	240	295	355	410
E	11	11	11	11	14	14	17	22	22
F	70	70	70	70	70	70	102	102	102
G	90	90	90	90	90	90	125	125	125
H	19	19	19	19	19	19	25	30	30
H1	134	134	134	134	134	134	215	215	215
L	41.4	44.0	44.6	51.4	53.8	55.1	59.5	65.0	75.9
L1	145	145	145	145	145	145	216	216	216
X1	62	62	62	62	62	62	71	71	71
N-Mb	4-M16	4-M16	8-M16	8-M16	8-M16	8-M20	12-M20	12-M24	12-M24
N-Äp	4-10	4-10	4-10	4-10	4-10	4-10	4-12	4-12	4-12
Torque	19	21	28	43	60	91	194	295	412
Kv	118	258	510	926	1500	2170	3842	5014	9230
Kgs	5.35	5.75	6.05	7.70	8.50	9.75	17.60	26.40	35.10

N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Stainless Steel 316 (CF8M)
3	Seat	WRAS EPDM
4	Upper Shaft	Stainless Steel 420
5	Lower Shaft	Stainless Steel 420
6	Bushing	PTFE
7	Cotter Pin	Spring Steel 65Mn
8	Circlip	Spring Steel 65Mn
9	O-Ring	WRAS EPDM
10	Ring	Nylon 6 PA6
11	Gearbox	Aluminium AL102
12	Bolt	Stainless Steel 304

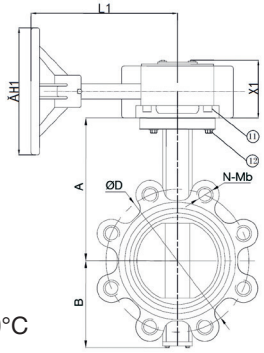


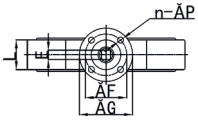
V1. Dimensions in mm

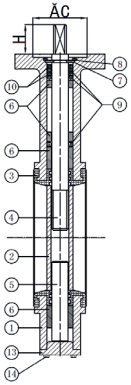
ART 135GB PN16
DN350-600 Ductile Iron
Butterfly Valve Lugged and Tapped

Features

- Flange mounting PN16 only
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- Epoxy coat finish
- MSS-SP-67



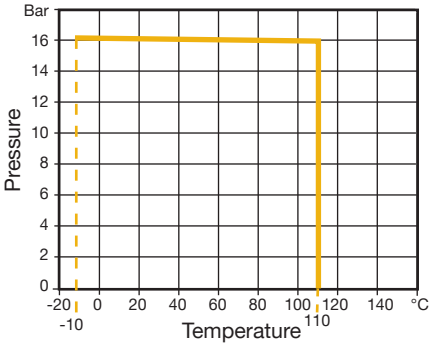




Technical data
Max pressure: 16 Bar
Working temp: -10°C to +110°C

DN	350	400	450	500	600
Ä	470	525	585	650	770
N-Mb	16-M24	16-M27	20-M27	20-M30	20-M33
A	345	390	422	470	552
B	262	305	341	373	445
C	71.0	100.5	100.5	100.5	130.5
H	40	52	52	64	70
ÄG	125	175	175	175	210
n-ÄP	4-12	4-18	4-18	4-18	4-23
ÄF	102	140	140	140	165
L	78	102	114	127	154
E	22	27	27	27	36
H1	300	300	300	300	300
L1	225	131	131	131	138
X1	84	264	264	269	307
Torque	840	1260	2070	2670	5295
Kv	10790	14081	17842	22030	31780
Kgs	88.00	168.00	198.00	238.80	334.80

N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Stainless Steel 316 (CF8M)
3	Seat	WRAS EPDM
4	Upper Shaft	Stainless Steel 431
5	Lower Shaft	Stainless Steel 431
6	Bushing	Brass H65
7	Cotter Pin	Spring Steel 65Mn
8	Circlip	Spring Steel 65Mn
9	O-Ring	WRAS EPDM
10	Ring	Nylon 6 PA6
11	Gearbox	Ductile Iron
12	Bolt	Stainless Steel 304
13	End Cover	Ductile Iron GGG40
14	Bolt	Stainless Steel 304



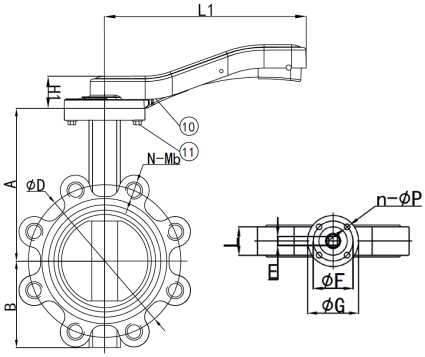
V1. Dimensions in mm

ART 135 PN25

PN25 Ductile Iron Butterfly Valve Lugged and Tapped

Features

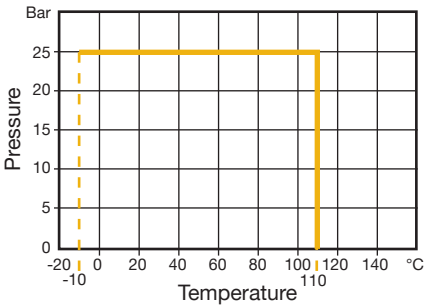
- Flange mounting PN25 only
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- Lockable handle
- Epoxy coat finish
- Vulcanised liner



Technical data
Max pressure: 25 Bar
Working temp: -10°C to +110°C

DN	50	65	80	100	125	150
A	141	153	161	178	193	204
B	61	72	87	106	123	138
C	56	56	56	56	56	56
D	125	145	160	190	220	250
E	11	11	11	11	14	14
F	70	70	70	70	70	70
G	90	90	90	90	90	90
H	19	19	19	19	19	19
H1	31	31	31	36	36	36
L	43	46	46	52	56	56
L1	176	176	176	225	225	225
N-Mb	4-M16	8-M16	8-M16	8-M20	8-M24	8-M24
N-Øp	4-10	4-10	4-10	4-10	4-10	4-10
Torque	22	26	36	73	90	106
Kv	118	258	510	926	1500	2170
Kgs	4.5	6.5	7.0	10.0	16.5	17.0

N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Stainless Steel 316 (CF8M)
3	Seat	EPDM
4	Shaft	Stainless Steel 431
5	Bushing	Brass H65
6	Cotter Pin	Spring Steel 65Mn
7	Circlip	Spring Steel 65Mn
8	O-Ring	NBR
9	Ring	Nylon 6 PA6
10	Handle	Aluminium AL102
11	Bolt	Stainless Steel 304



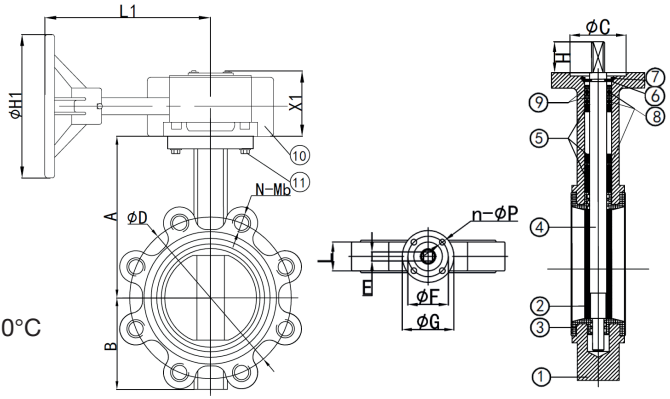
V1. Dimensions in mm

ART 135GB PN25

DN200-300 Ductile Iron Butterfly Valve Lugged and Tapped

Features

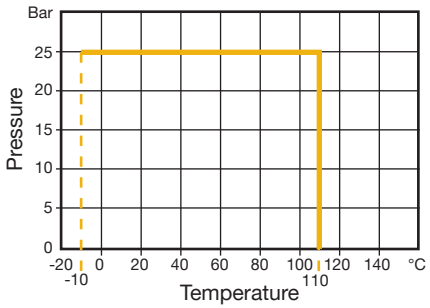
- Flange mounting PN25 only
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- Epoxy coat finish
- Vulcanised liner



Technical data
Max pressure: 25 Bar
Working temp: -10°C to +110°C

DN	200	250	300
A	247	280	324
B	173	207	250
C	71	71	71
D	310	370	430
E	17	22	22
F	102	102	102
G	125	125	125
H	25	30	30
H1	215	215	215
L	60	68	78
L1	216	216	216
X1	71	71	71
N-Mb	12-M24	12-M27	16-M27
N-Øp	4-12	4-12	4-12
Torque	290	400	510
Kv	3842	5014	9230
Kgs	33.0	47.0	69.0

N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Stainless Steel 316 (CF8M)
3	Seat	EPDM
4	Shaft	Stainless Steel 431
5	Bushing	Brass H65
6	Cotter Pin	Spring Steel 65Mn
7	Circlip	Spring Steel 65Mn
8	O-Ring	NBR
9	Ring	Nylon 6 PA6
10	Gearbox	Aluminium AL102
11	Bolt	Stainless Steel 304



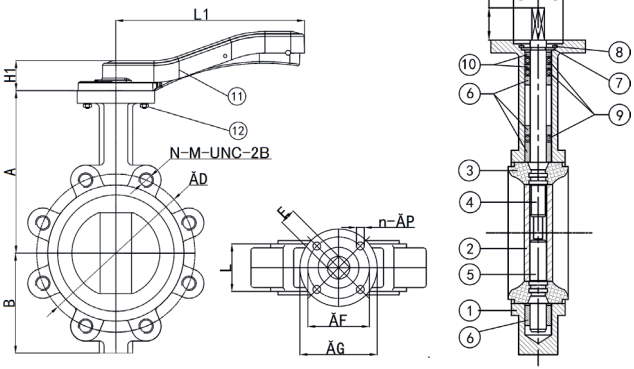
V1. Dimensions in mm

ART 135 ANSI

ANSI 150 Ductile Iron Butterfly Valve Lugged and Tapped

Features

- Flange mounting ANSI Class 150 (B16.42)
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- Lockable handle
- Epoxy coat finish
- MSS-SP-67

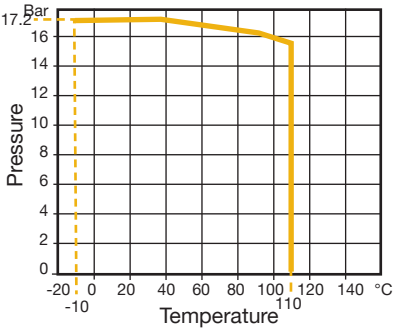


Technical data
Max pressure: 17.2 Bar
Working temp: -10°C to +110°C

DN	50	65	80	100	125	150	200	250	300
A	142.0	154.5	161.0	180.0	193.0	205.0	250.0	282.0	326.0
B	60	70	85	104	120	135	171	205	248
C	56	56	56	56	56	56	71	71	71
D	120.7	139.7	152.4	190.5	215.9	241.3	298.5	362.0	431.8
E	11	11	11	11	14	14	17	22	22
F	70	70	70	70	70	70	102	102	102
G	90	90	90	90	90	90	125	125	125
H	19	19	19	19	19	19	25	30	30
H1	31	31	31	36	36	36	42	42	42
L	41.4	44.0	44.6	51.4	53.8	55.1	59.5	65.0	75.9
L1	176	176	176	225	225	225	300	359	359
N-M-UNC-2B	4-5/8-11 UNC-2B	4-5/8-11 UNC -2B	4-5/8-11 UNC-2B	8-5/8-11 UNC-2B	8-3/4-10 UNC-2B	8-3/4-10 UNC-2B	8-3/4-10 UNC-2B	12-7/8-9 UNC-2B	12-7/8-9 UNC-2B
N-ØP	4-10	4-10	4-10	4-10	4-10	4-10	4-12	4-12	4-12
Torque	19	21	28	43	60	91	194	295	412
Kv	118	258	510	926	1500	2170	3842	5014	9230
Kgs	2.35	2.75	3.05	4.70	5.50	6.75	11.60	20.40	29.10

We strongly advise gearbox on all 8”, 10” and 12” valves.

N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Stainless Steel 316 (CF8M)
3	Seat	WRAS EPDM
4	Upper Shaft	Stainless Steel 420
5	Lower Shaft	Stainless Steel 420
6	Bushing	PTFE
7	Cotter Pin	Spring Steel 65Mn
8	Circlip	Spring Steel 65Mn
9	O-Ring	WRAS EPDM
10	Ring	Nylon 6 PA6
11	Handle	DN50-150 Aluminium DN200-300 DI
12	Bolt	Stainless Steel 304



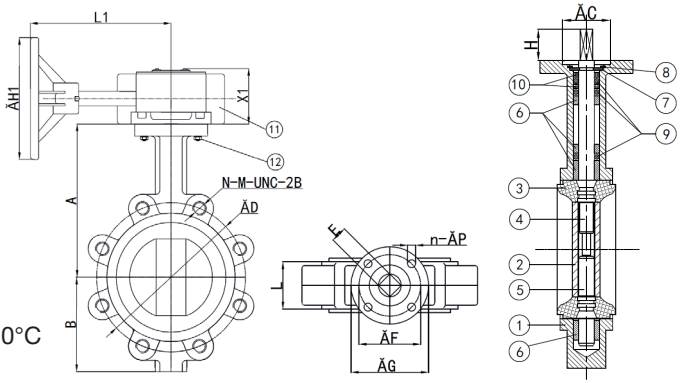
V1. Dimensions in mm

ART 135GB ANSI

ANSI 150 Ductile Iron Butterfly Valve Lugged and Tapped

Features

- Flange mounting ANSI Class 150 (B16.42)
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- Epoxy coat finish
- MSS-SP-67

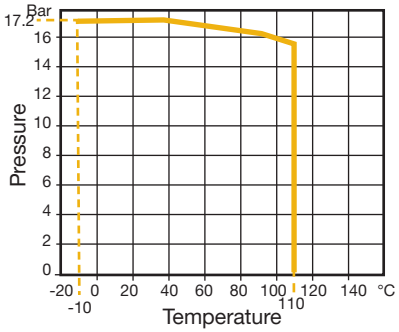


Technical data
Max pressure: 17.2 Bar
Working temp: -10°C to +110°C

DN	50	65	80	100	125	150	200	250	300
A	142.0	154.5	161.0	180.0	193.0	205.0	250.0	282.0	326.0
B	60	70	85	104	120	135	171	205	248
C	56	56	56	56	56	56	71	71	71
D1	125	145	160	180	210	240	295	355	410
E	11	11	11	11	14	14	17	22	22
F	70	70	70	70	70	70	102	102	102
G	90	90	90	90	90	90	125	125	125
H	19	19	19	19	19	19	25	30	30
H1	134	134	134	134	134	134	215	215	215
L	41.4	44.0	44.6	51.4	53.8	55.1	59.5	65.0	75.9
L1	145	145	145	145	145	145	216	216	216
X1	62	62	62	62	62	62	71	71	71
N-M-UNC-2B	4-5/8-11 UNC-2B	4-5/8-11 UNC -2B	4-5/8-11 UNC-2B	8-5/8-11 UNC-2B	8-3/4-10 UNC-2B	8-3/4-10 UNC-2B	8-3/4-10 UNC-2B	12-7/8-9 UNC-2B	12-7/8-9 UNC-2B
N-ÄP	4-10	4-10	4-10	4-10	4-10	4-10	4-12	4-12	4-12
Torque	19	21	28	43	60	91	194	295	412
Kv	118	258	510	926	1500	2170	3842	5014	9230
Kgs	5.35	5.75	6.05	7.70	8.50	9.75	17.60	26.40	35.10

We strongly advise gearbox on all 8”, 10” and 12” valves.

N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Stainless Steel 316 (CF8M)
3	Seat	WRAS EPDM
4	Upper Shaft	Stainless Steel 420
5	Lower Shaft	Stainless Steel 420
6	Bushing	PTFE
7	Cotter Pin	Spring Steel 65Mn
8	Circlip	Spring Steel 65Mn
9	O-Ring	WRAS EPDM
10	Ring	Nylon 6 PA6
11	Gearbox	Aluminium AL102
12	Bolt	Stainless Steel 304

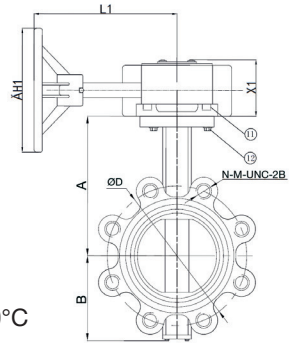


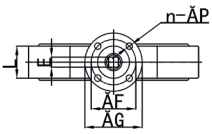
V1. Dimensions in mm

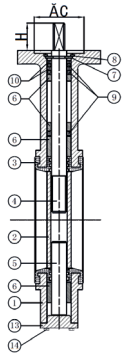
ART 135GB ANSI
DN350-600 Ductile Iron
Butterfly Valve Lugged and Tapped

Features

- Flange mounting ANSI Class 150
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- Epoxy coat finish
- MSS-SP-67



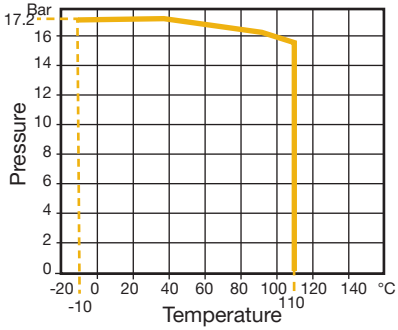




Technical data
Max pressure: 17.2 Bar
Working temp: -10°C to +110°C

DN	350	400	450	500	600
ĂD	476.3	539.8	577.9	635.0	749.3
N-M-UNC-2B	12-1-8UNC-2B	16-1-8UNC-2B	16-1.1/8-7UNC-2B	20-1.1/8-7UNC-2B	20-1.1/4-7UNC-2B
A	345	390	422	470	552
B	262	305	341	373	445
C	71.0	100.5	100.5	100.5	130.5
H	40	52	52	64	70
ĂG	125	175	175	175	210
n-ĂP	4-12	4-18	4-18	4-18	4-23
ĂF	102	140	140	140	165
L	78	102	114	127	154
E	22	27	27	27	36
H1	300	300	300	300	300
L1	225	131	131	131	138
X1	84	264	264	269	307
Torque	840	1260	2070	2670	5295
Kv	10790	14081	17842	22030	31780
Kgs	88.0	168.0	198.0	238.8	334.8

N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Stainless Steel 316 (CF8M)
3	Seat	WRAS EPDM
4	Upper Shaft	Stainless Steel 431
5	Lower Shaft	Stainless Steel 431
6	Bushing	PTFE
7	Cotter Pin	Spring Steel 65Mn
8	Circlip	Spring Steel 65Mn
9	O-Ring	WRAS EPDM
10	Ring	Nylon 6 PA6
11	Gearbox	DI
12	Bolt	Stainless Steel 304
13	End Cover	Ductile Iron GGG40
14	Bolt	Stainless Steel 304

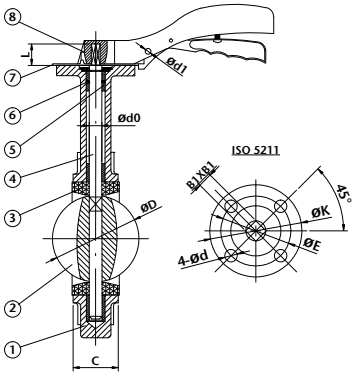


V1. Dimensions in mm

ART 140
Ductile Iron Butterfly Valve Lugged & Tapped

Features

- Flanged mounting PN16 only
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- Lockable handle
- Epoxy coat finish

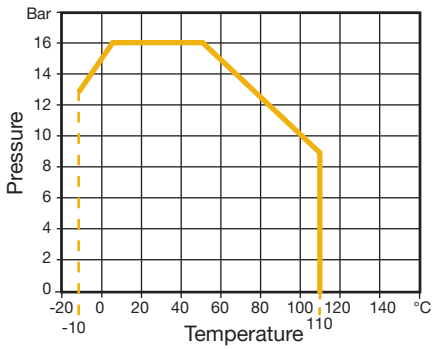


Technical data
Max pressure: 16 Bar
Working temp: -10°C to +110°C

DN	2”	2 1/2”	3”	4”	5”	6”	8”	10”	12”
A	140	150	158	176	190	211	235	265	305
B	80	89	95	114	127	139	175	203	242
C	42.0	44.7	45.2	52.0	54.4	55.8	60.6	65.6	76.9
D	52.9	64.5	78.8	104.0	123.3	155.1	202.5	250.5	301.5
D1	125	145	160	180	210	240	295	355	410
L	26	26	26	30	30	30	36	36	36
d0	12.6	12.6	12.6	15.8	18.9	18.9	22.1	28.5	31.6
d1	6	6	6	6	6	6	6	6	6
d2	4x16	4x16	8x16	8x16	8x16	8x20	12x20	12x24	12x24
ISO 5211	F05	F05	F05	F07	F07	F07	F10	F10	F10
K	65	65	65	90	90	90	125	125	125
d	4x7	4x7	4x7	4x10	4x10	4x10	4x12	4x12	4x12
B1	9	9	9	11	14	14	17	22	22
Torque	15.1	17.2	23.1	39.8	61.9	102.0	192.0	323.0	490.0
Kv	99	168	259	514	876	1353	2687	4576	7069
Kgs	3.15	3.80	4.80	6.97	8.70	10.60	19.00	27.98	37.46

We strongly advise gearbox on all 8”, 10” and 12” valves.

N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Stainless Steel 316
3	Seat	EPDM
4	Stem	Stainless Steel 410
5	Bush	PTFE
6	O-Ring	EPDM
7	Indicator	Carbon Steel
8	Handle	Aluminium

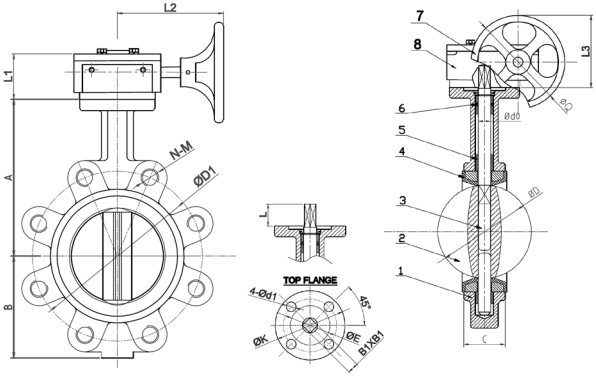


V1. Dimensions in mm

ART 140GB
Ductile Iron Butterfly Valve Lugged & Tapped

Features

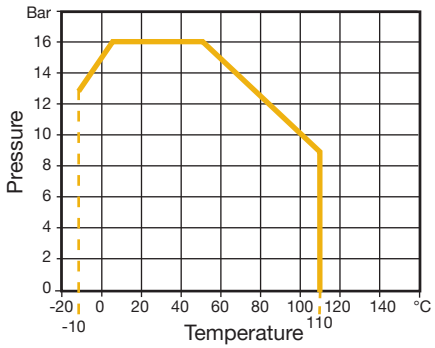
- Flanged mounting PN16 only
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- Lockable handle
- Epoxy coat finish



Technical data
Max pressure: 16 Bar
Working temp: -10°C to +110°C

DN	2”	2 1/2”	3”	4”	5”	6”	8”	10”	12”	14”
A	140	150	158	176	190	211	235	265	305	368
B	80	89	95	114	127	139	175	203	242	267
C	42	44.7	46	52	54.4	55.8	60.6	65.6	76.9	76.5
D	52.9	64.5	78.8	104.0	123.3	155.1	202.5	250.5	301.5	333.3
d0	12.6	12.6	12.6	15.8	18.9	18.9	22.1	28.5	31.6	31.6
B1	9	9	9	11	14	14	17	22	22	22
L	26	26	26	28	28	28	36	36	38	42
D1	125	145	160	180	210	240	295	355	410	470
N-M	4-M16	4-M16	8-M16	8-M16	8-M16	8-M20	12-M20	12-M24	12-M24	16-M24
L1	62	62	62	62	62	62	76	76	75	75
L2	156	156	156	156	156	156	208	208	186	186
L3	106.5	106.5	106.5	106.5	106.5	106.5	178.5	178.5	177.0	177.0
Q	147	147	147	147	147	147	278	278	278	278
Kv	99	168	259	514	876	1353	2687	4576	7069	10212
Kgs	6.6	7.2	8.1	9.9	11.8	13.8	24.3	34.6	51.6	58.3

N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Stainless Steel 316
3	Shaft	Stainless Steel 410
4	Seat	EPDM
5	Bushing	PTFE
6	O-Ring	NBR
7	Handwheel	Cast Iron
8	Gear	Cast Iron

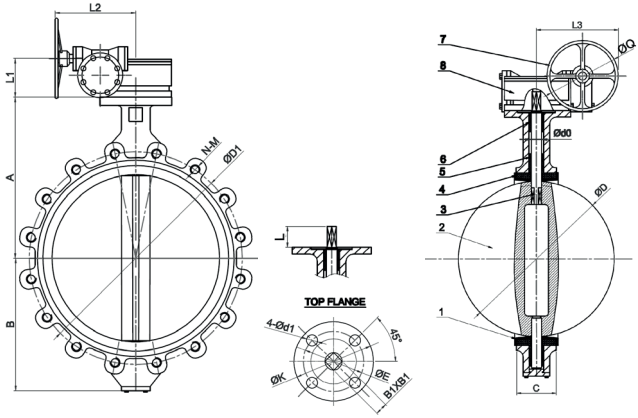


V1. Dimensions in mm

ART 140GB
DN400-600 Ductile Iron Butterfly Valve Lugged & Tapped

Features

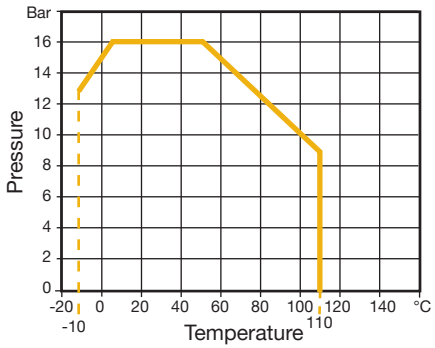
- Flanged mounting PN16 only
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- Lockable handle
- Epoxy coat finish



Technical data
Max pressure: 16 Bar
Working temp: -10°C to +110°C

DN	400	450	500	600
A	405	422	480	562
B	325	343	395	585
C	102	114	127	152
D	389.6	440.5	491.6	592.5
L	50	50	60	60
B1	27	27	36	36
D0	37.95	42.86	45.72	53.98
D1	525	585	650	770
N-M	16-M27	20-M27	20-M30	20-M33
L1	110	110	110	128
L2	254	254	254	301
L3	326	326	326	392
Q	290	290	290	385
Kv	14043	18599	23914	36946
Kgs	104.8	128.0	154.0	246.0

N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Stainless Steel 316
3	Shaft	Stainless Steel 410
4	Seat	EPDM
5	Bushing	PTFE
6	O-Ring	NBR
7	Handwheel	Cast Iron
8	Gear	Cast Iron

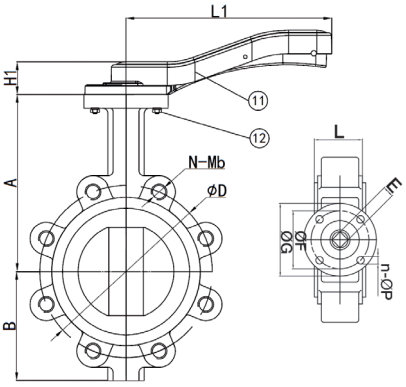


V1. Dimensions in mm

ART 145
Ductile Iron Butterfly Valve
Lugged and Tapped

Features

- Flange mounting PN16 only
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- Epoxy coat finish
- Lockable handle

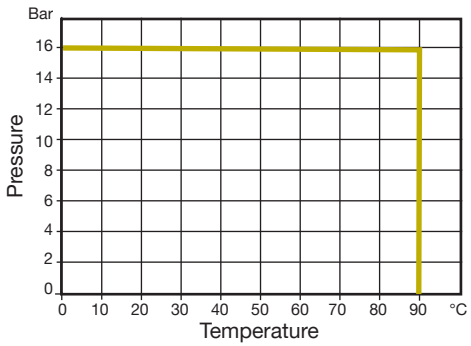


Technical data
Max pressure: 16 Bar
Working temp: 0°C to +90°C

DN	50	65	80	100	125	150	200	250	300
A	142	154	161	180	193	205	250	282	326
B	60	70	85	104	120	135	171	205	248
C	56	56	56	56	56	56	71	71	71
D	125	145	160	180	210	240	295	355	410
E	11	11	11	11	14	14	17	22	22
F	70	70	70	70	70	70	102	102	102
G	90	90	90	90	90	90	125	125	125
H	19	19	19	19	19	19	25	30	30
H1	31	31	31	36	36	36	42	42	42
L	41.4	44.0	44.6	51.4	53.8	55.1	59.5	65.0	75.9
L1	176	176	176	225	225	225	300	359	359
N-Mb	4-M16	4-M16	8-M16	8-M16	8-M16	8-M20	12-M20	12-M24	12-M24
N-Ăp	4-10	4-10	4-10	4-10	4-10	4-10	4-12	4-12	4-12
Torque	19	21	28	43	60	91	194	295	412
Kv	118	258	510	926	1500	2170	3842	5014	9230
Kgs	2.6	3.3	4.7	6.0	8.0	9.7	17.5	26.1	35.7

8”, 10” and 12” valves come with gearbox as standard.

N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Ductile Iron / Nickel Plated
3	Seat	NBR
4	Upper Shaft	Stainless Steel 410
5	Lower Shaft	Stainless Steel 410
6	Bushing	PTFE
7	Cotter Pin	Carbon Steel
8	Circlip	Carbon Steel
9	O-Ring	EPDM
10	Ring	PTFE
11	Handle	DN50-150 Aluminium DN200-300 CI
12	Bolt	Stainless Steel 304

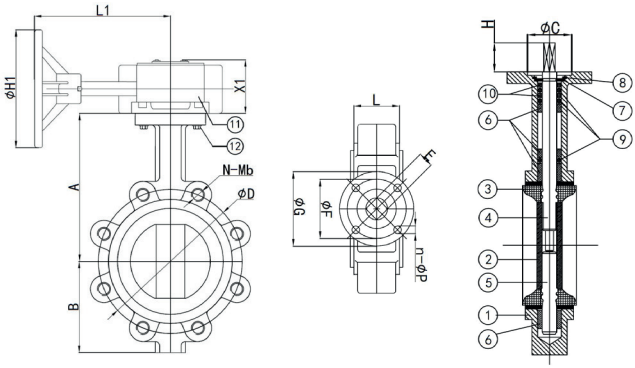


V3. Dimensions in mm

ART 145GB
Ductile Iron Butterfly Valve Lugged & Tapped

Features

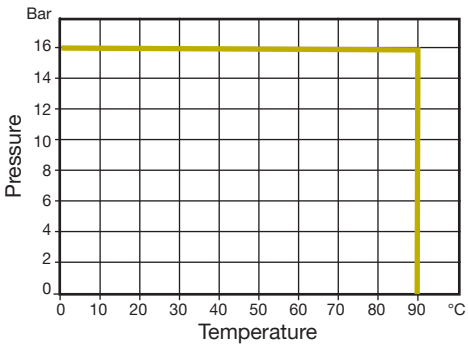
- Flanged mounting PN16 only
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- Epoxy coat finish
- Lockable handle



Technical data
Max pressure: 16 Bar
Working temp: 0°C to +90°C

DN	2”	2 1/2”	3”	4”	5”	6”	8”	10”	12”
A	142	155	161	180	193	205	250	282	326
B	60	70	85	104	120	135	171	205	248
C	56	56	56	56	56	56	71	71	71
D	125	145	160	180	210	240	295	355	410
N-Mb	4-M16	4-M16	8-M16	8-M16	8-M16	8-M20	12-M20	12-M24	12-M24
E	11	11	11	11	14	14	17	22	22
F	70	70	70	70	70	70	102	102	102
G	90	90	90	90	90	90	125	125	125
L	41	44	45	51	54	55	60	65	76
n-Øp	4-10	4-10	4-10	4-10	4-10	4-10	4-12	4-12	4-12
H	19	19	19	19	19	19	25	30	30
H1	134	134	134	134	134	134	215	215	215
L1	145	145	145	145	145	145	216	216	216
X1	62	62	62	62	62	62	71	71	71
Kv	118	258	510	926	1500	2170	3842	5014	9230
Kgs	5.35	5.75	6.05	7.70	8.50	9.75	17.60	26.40	35.10

N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Ductile Iron / Nickel Plated
3	Seat	NBR
4	Upper Shaft	Stainless Steel 410
5	Lower Shaft	Stainless Steel 410
6	Bushing	PTFE
7	Cotter Pin	Carbon Steel
8	Circlip	Carbon Steel
9	O-Ring	EPDM
10	Ring	PTFE
11	Gearbox	Aluminium
12	Bolt	Stainless Steel 304

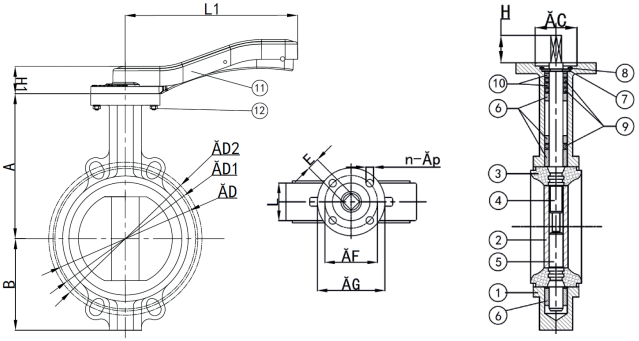


V2. Dimensions in mm

ART 115
Ductile Iron Butterfly Valve Wafer Type

Features

- Universal flange mounting PN10, PN16, ASA150
- BS5155 (BS EN 593) / ANSI 150
- ISO 5211 direct mount
- Lockable handle
- Epoxy coat finish
- MSS-SP-67



Technical data

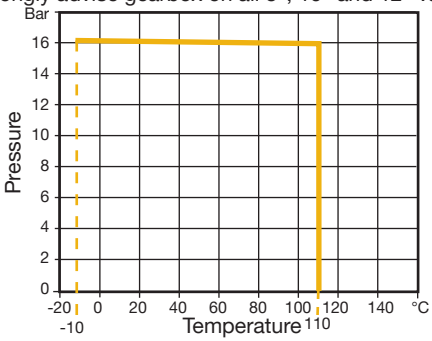
Max pressure: 16 Bar

Working temp: -10°C to +110°C

DN	50	65	80	100	125	150	200	250	300
A	142.0	154.5	161.0	180.0	193.0	205.0	250.0	282.0	326.0
B	60	70	85	104	120	135	171	205	248
C	56	56	56	56	56	56	71	71	71
D	125	145	160	180	210	240	295	350	400
D1	125	145	160	180	210	240	295	355	410
D2	120.7	139.7	152.4	190.5	215.9	241.3	298.5	362.0	431.8
E	11	11	11	11	14	14	17	22	22
F	70	70	70	70	70	70	102	102	102
G	90	90	90	90	90	90	125	125	125
H	19	19	19	19	19	19	25	30	30
H1	31	31	31	36	36	36	42	42	42
L	41.4	44.0	44.6	51.4	53.8	55.1	59.5	65.0	75.9
L1	176	176	176	225	225	225	300	359	359
Holes PN10	4-19	4-19	8-19	8-19	8-19	8-23	8-23	12-23	12-23
Holes PN16	4-19	4-19	8-19	8-19	8-19	8-23	12-23	12-28	12-28
Holes CLASS 150	4-19.05	4-19.05	4-19.05	8-19.05	8-22.35	8-22.35	8-22.35	12-25.4	12-25.4
n-Øp	4-10	4-10	4-10	4-10	4-10	4-10	4-12	4-12	4-12
Torque	19	21	28	43	60	91	194	295	412
Kv	118	258	510	926	1500	2170	3842	5014	9230
Kgs	2.10	2.50	3.00	3.80	5.20	6.30	11.20	17.20	32.60

We strongly advise gearbox on all 8”, 10” and 12” valves.

N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Stainless Steel 316
3	Seat	WRAS EPDM
4	Upper Shaft	Stainless Steel 420
5	Lower Shaft	Stainless Steel 420
6	Bushing	PTFE
7	Split Pin	Spring Steel 65Mn
8	Circlip	Spring Steel 65Mn
9	O-Ring	WRAS EPDM
10	Ring	Nylon 6 PA6
11	Handle	DN50-150 Aluminium DN200-300 DI
12	Bolt	Stainless Steel 304

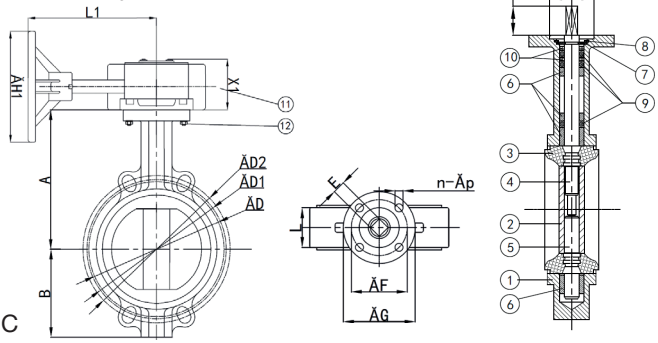


V1. Dimensions in mm

ART 115GB
Ductile Iron Butterfly Valve Wafer Type

Features

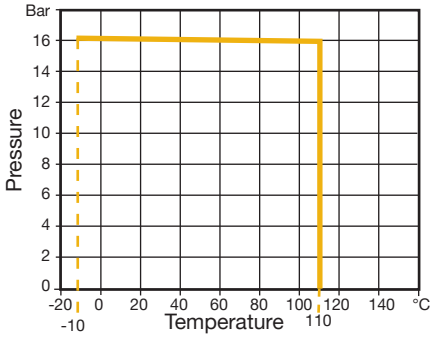
- Universal flange mounting PN10, PN16, ASA150
- BS5155 (BS EN 593) / ANSI 150
- ISO 5211 direct mount
- MSS-SP-67
- Epoxy coat finish



Technical data
Max pressure: 16 Bar
Working temp: -10°C to +110°C

DN	50	65	80	100	125	150	200	250	300
A	142.0	154.5	161.0	180.0	193.0	205.0	250.0	282.0	326.0
B	60	70	85	104	120	135	171	205	248
C	56	56	56	56	56	56	71	71	71
D	125	145	160	180	210	240	295	350	400
D1	125	145	160	180	210	240	295	355	410
D2	120.7	139.7	152.4	190.5	215.9	241.3	298.5	362.0	431.8
E	11	11	11	11	14	14	17	22	22
F	70	70	70	70	70	70	102	102	102
G	90	90	90	90	90	90	125	125	125
H	19	19	19	19	19	19	25	30	30
H1	134	134	134	134	134	134	215	215	215
L	41.4	44.0	44.6	51.4	53.8	55.1	59.5	65.0	75.9
L1	145	145	145	145	145	145	216	216	216
Holes PN10	4-19	4-19	8-19	8-19	8-19	8-23	8-23	12-23	12-23
Holes PN16	4-19	4-19	8-19	8-19	8-19	8-23	12-23	12-28	12-28
Holes CLASS 150	4-19.05	4-19.05	4-19.05	8-19.05	8-22.35	8-22.35	8-22.35	12-25.4	12-25.4
X1	62	62	62	62	62	62	71	71	71
n-Øp	4-10	4-10	4-10	4-10	4-10	4-10	4-12	4-12	4-12
Torque	19	21	28	43	60	91	194	295	412
Kv	118	258	510	926	1500	2170	3842	5014	9230
Kgs	5.35	5.75	6.05	7.70	8.50	9.75	17.60	26.40	35.10

N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Stainless Steel 316 (CF8M)
3	Seat	WRAS EPDM
4	Upper Shaft	Stainless Steel 420
5	Lower Shaft	Stainless Steel 420
6	Bushing	PTFE
7	Cotter Pin	Spring Steel 65Mn
8	Circlip	Spring Steel 65Mn
9	O-Ring	WRAS EPDM
10	Ring	Nylon 6 PA6
11	Gearbox	Aluminium AL102
12	Bolt	Stainless Steel 304

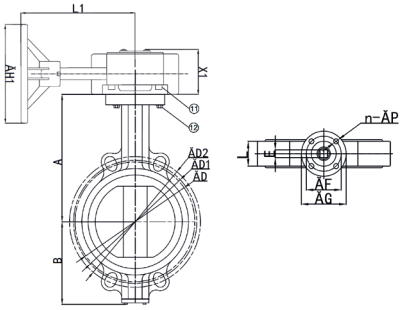


V1. Dimensions in mm

ART 115GB
DN350-600 Ductile Iron Butterfly Valve Wafer Type

Features

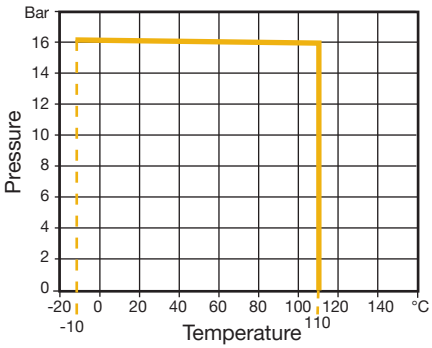
- Universal flange mounting PN10, PN16, ASA150
- BS5155 (BS EN 593) / ANSI 150
- ISO 5211 direct mount
- MSS-SP-67
- Epoxy coat finish



Technical data
Max pressure: 16 Bar
Working temp: -10°C to +110°C

DN	350	400	450	500	600
A	345	390	422	470	552
B	262	305	341	373	445
C	71.0	100.5	100.5	100.5	130.5
D	460	515	565	620	725
D1	470	525	585	650	770
D2	476.3	539.8	577.9	635.0	749.3
E	22	27	27	27	36
F	102	140	140	140	165
G	125	175	175	175	210
H	40	52	52	64	70
H1	300	300	300	300	300
L	78	102	114	127	154
L1	225	131	131	131	138
Holes PN10	16-Ø23	16-Ø28	20-Ø28	20-Ø28	20-Ø31
Holes PN16	16-Ø28	16-Ø31	20-Ø31	20-Ø34	20-Ø37
Holes CLASS 150	12-Ø28.45	16-Ø28.45	16-Ø31.75	20-Ø31.75	20-Ø35.05
X1	84	264	264	269	307
n-Øp	4-12	4-18	4-18	4-18	4-23
Torque	840	1260	2070	2670	5295
Kv	10790	14081	17842	22030	31780
Kgs	62.0	121.7	134.0	162.6	236.4

N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	CF8M
3	Seat	WRAS EPDM
4	Upper Shaft	Stainless Steel 431
5	Lower Shaft	Stainless Steel 431
6	Bushing	H65
7	Cotter Pin	Spring Steel 65Mn
8	Circlip	Spring Steel 65Mn
9	O-Ring	WRAS EPDM
10	Ring	Nylon 6 PA6
11	Gearbox	DI
12	Bolt	Stainless Steel 304
13	End Cover	Ductile Iron GGG40
14	Bolt	Stainless Steel 304



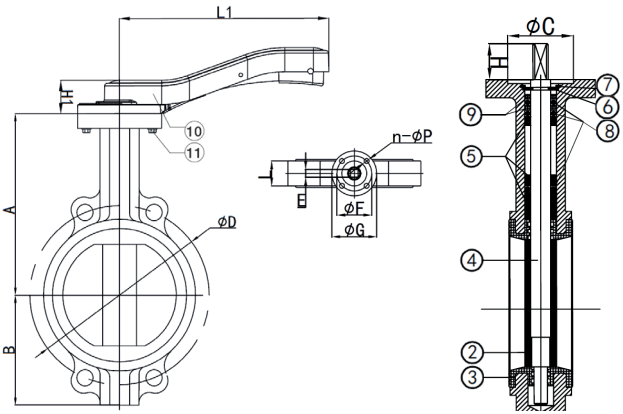
V1. Dimensions in mm

ART 115 PN25

PN25 Ductile Iron Butterfly Valve Wafer Type

Features

- Flange mounting PN25 only
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- Lockable handle
- Epoxy coat finish
- Vulcanised liner

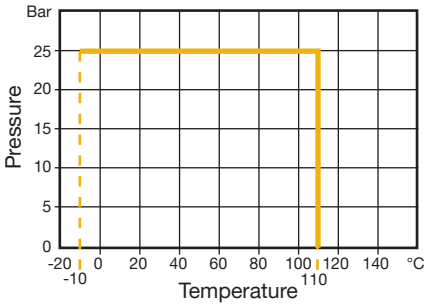


Technical data
Max pressure: 25 Bar
Working temp: -10°C to +110°C

DN	50	65	80	100	125	150
A	141	153	161	178	193	204
B	61	72	87	106	123	138
C	56	56	56	56	56	56
D	125	145	160	190	220	250
E	11	11	11	11	14	14
F	70	70	70	70	70	70
G	90	90	90	90	90	90
L	43	46	46	52	56	56
n-Øp	4-10	4-10	4-10	4-10	4-10	4-10
H	19	19	19	19	19	19
H1	31	31	31	36	36	36
L1	176	176	176	225	225	225
Torque	22	26	36	73	90	106
Kv	118	258	510	926	1500	2170
Kgs	3.50	4.30	5.00	7.00	10.00	12.50

We strongly advise gearbox on all 8”, 10” and 12” valves.

N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Stainless Steel 316
3	Seat	EPDM
4	Shaft	Stainless Steel 431
5	Bushing	Brass H65
6	Cotter Pin	Spring Steel 65Mn
7	Circlip	Spring Steel 65Mn
8	O-Ring	NBR
9	Ring	Nylon 6 PA6
10	Handle	Aluminium AL102
11	Bolt	Stainless Steel 304

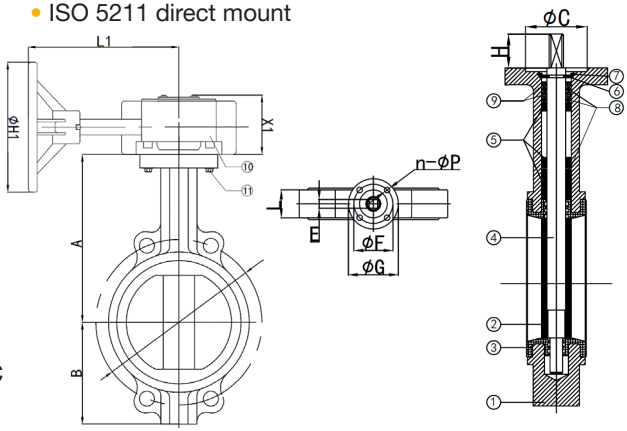


V1. Dimensions in mm

ART 115GB PN25
DN200-300 PN25 Ductile Iron Butterfly Valve Wafer Type

Features

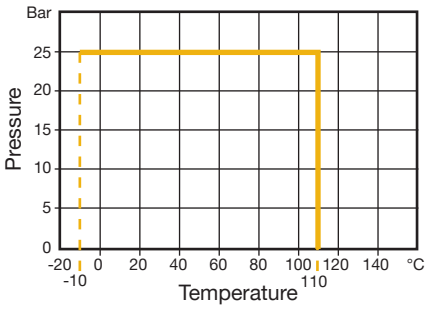
- Flange mounting PN25 only
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- Epoxy coat finish
- Vulcanised liner



Technical data
Max pressure: 25 Bar
Working temp: -10°C to +110°C

DN	200	250	300
A	247	280	324
B	173	207	250
C	71	71	71
D	310	370	430
E	17	22	22
F	102	102	102
G	125	125	125
L	60	68	78
n-Øp	4-12	4-12	4-12
H	25	30	30
H1	215	215	215
L1	216	216	216
X1	71	71	71
Torque	290	400	510
Kv	3842	5014	9230
Kgs	24	34	45

N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Stainless Steel 316
3	Seat	EPDM
4	Shaft	Stainless Steel 431
5	Bushing	Brass H65
6	Cotter Pin	Spring Steel 65Mn
7	Circlip	Spring Steel 65Mn
8	O-Ring	NBR
9	Ring	Nylon 6 PA6
10	Gearbox	Aluminium AL102
11	Bolt	Stainless Steel 304

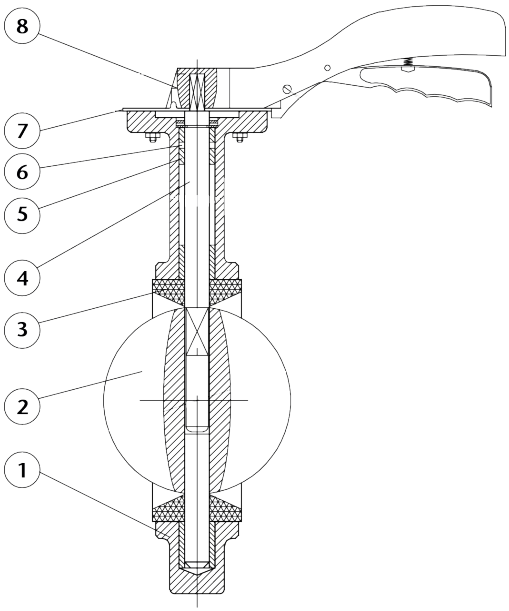


V1. Dimensions in mm

ART 125
Ductile Iron Butterfly Valve Wafer Type

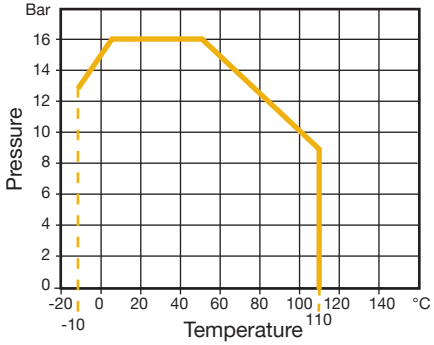
Features

- Universal flange mounting PN10, PN16, ASA150
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- Epoxy coat finish
- Lockable handle



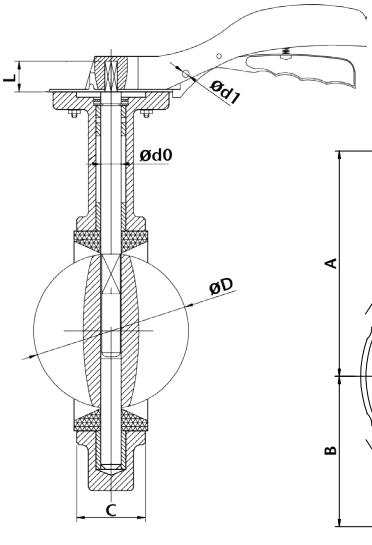
Technical data
Max pressure: 16 Bar
Working temp: -10°C to +110°C

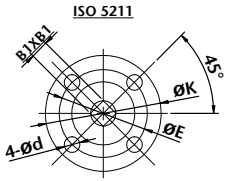
N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Stainless Steel 316
3	Seat	EPDM
4	Stem	Stainless Steel 410
5	Bushing	PTFE
6	O-Ring	EPDM
7	Indicator	Carbon Steel
8	Handle	Aluminium

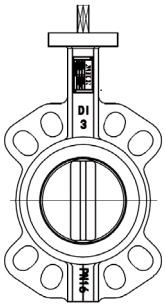


V1. Dimensions in mm

ART 125







3” Only
Double Lugged

DN	2”	2 1/2”	3”	4”	5”	6”	8”	10”	12”
A	140	150	158	176	190	211	235	265	305
B	80	89	95	114	127	139	175	203	242
C	42.0	44.7	45.2	52.0	54.4	55.8	60.6	65.6	76.9
D	52.9	64.5	78.8	104.0	123.3	155.1	202.5	250.5	301.5
D1	125	145	160	180	210	240	295	355	410
E	50	50	50	70	70	70	102	102	102
4-d	7	7	7	10	10	10	12	12	12
L	26	26	26	30	30	30	36	36	36
d0	12.6	12.6	12.6	15.8	18.9	18.9	22.1	28.5	31.6
d1	6	6	6	6	6	6	6	6	6
d2	4-19	4-19	4-19	4-19	4-19	4-23	4-23	4-27	4-27
ISO 5211	F05	F05	F05	F07	F07	F07	F10	F10	F10
K	65	65	65	90	90	90	125	125	125
B1	9	9	9	11	14	14	17	22	22
Torque	15.1	17.2	23.1	39.8	61.9	102.0	192.0	323.0	490.0
Kv	99	168	259	514	876	1353	2687	4576	7069
Kgs	2.44	2.94	3.54	4.92	7.06	8.26	13.78	20.81	30.00

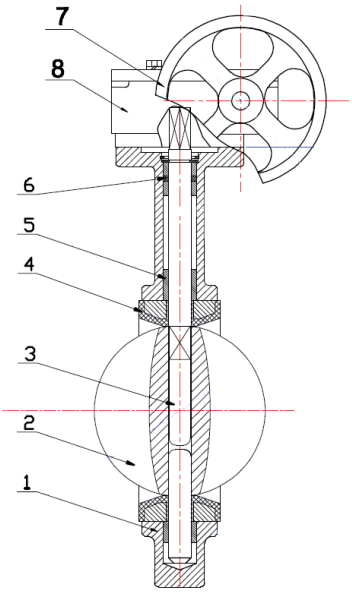
We strongly advise gearbox on all 8”, 10” and 12” valves.

V1. Dimensions in mm

ART 125GB
Ductile Iron Butterfly Valve Wafer Type with Gearbox

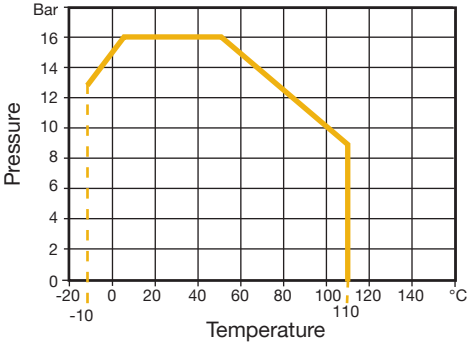
Features

- Universal flange mounting PN10, PN16, ASA150
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- Epoxy coat finish



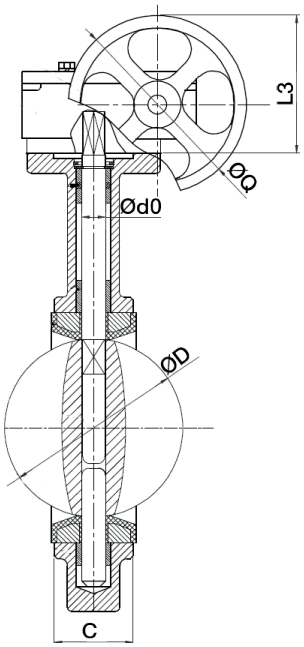
Technical data
Max pressure: 16 Bar
Working temp: -10°C to +110°C

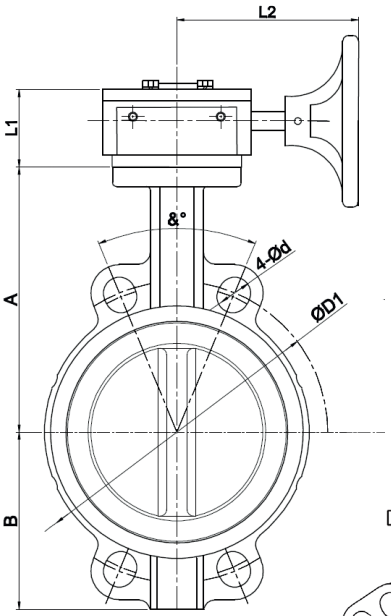
N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Stainless Steel 316 (CF8M)
3	Shaft	Stainless Steel 410
4	Seat	EPDM
5	Bushing	PTFE
6	O-Ring	NBR
7	Handwheel	Cast Iron
8	Gear	Cast Iron

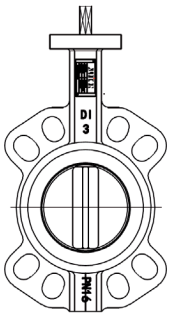


V1. Dimensions in mm

ART 125GB

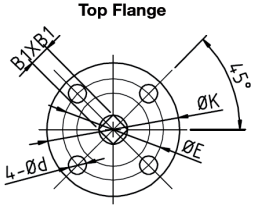


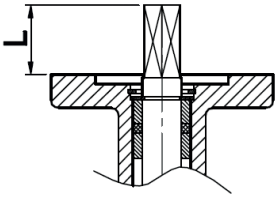




DN80 Only
Double Lugged

Top Flange





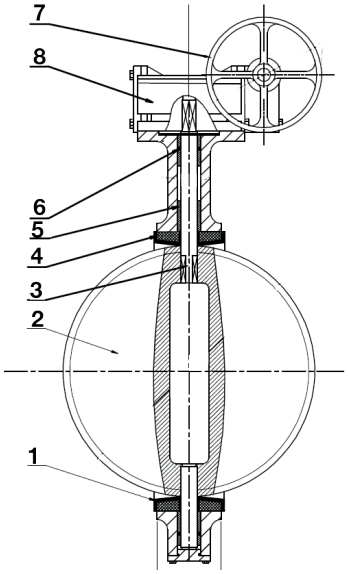
DN	40	50	65	80	100	125	150	200	250	300	350
A	120	140	150	158	176	190	211	235	265	305	368
B	63	80	89	95	114	127	139	175	203	242	267
C	34	42	44.7	46	52	54.4	55.8	60.6	65.6	76.9	76.5
D	41.8	52.9	64.5	78.8	104	123.3	155.1	202.5	250.5	301.5	333.3
d0	12.6	12.6	12.6	12.6	15.7	18.92	18.92	22.1	28.45	31.6	31.6
B1	9	9	9	9	11	14	14	17	22	22	22
L	26	26	26	26	28	28	28	36	36	38	42
D1	110	125	145	160	180	210	240	295	355	410	470
4-Ød	4-19	4-19	4-19	4-19	4-19	4-19	4-23	4-23	4-23	4-23	4-23
&°	90°	90°	90°	45°	45°	45°	45°	45°	30°	30°	22.5°
L1	62	62	62	62	62	62	62	76	76	75	75
L2	156	156	156	156	156	156	156	208	208	186	186
L3	106.5	106.5	106.5	106.5	106.5	106.5	106.5	178.5	178.5	177	177
Q	147	147	147	147	147	147	147	278	278	278	278
Kv		99	168	259	514	876	1353	2687	4576	7069	
Kgs	5.1	5.8	6.2	7.3	8.6	10.6	11.2	21.2	29.0	38.4	48.1

V1. Dimensions in mm

ART 125GB DN400-600
Ductile Iron Butterfly Valve Wafer Type with Gearbox

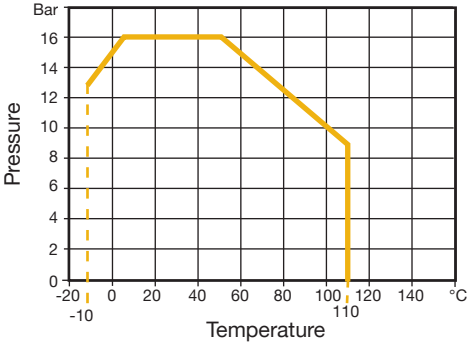
Features

- Universal flange mounting PN10, PN16, ASA150
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- Epoxy coat finish



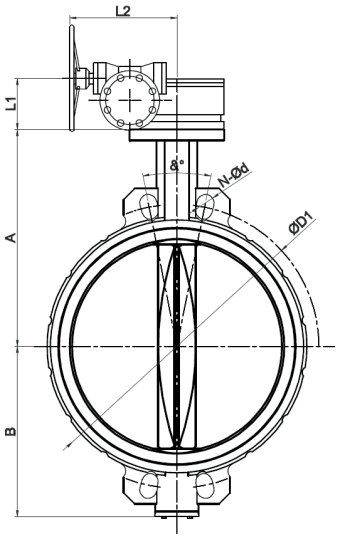
Technical data
Max pressure: 16 Bar
Working temp: -10°C to +110°C

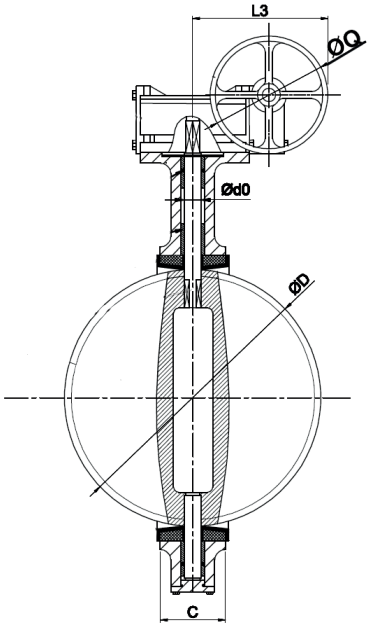
N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Stainless Steel 316 (CF8M)
3	Shaft	Stainless Steel 410
4	Seat	EPDM
5	Bushing	PTFE
6	O-Ring	NBR
7	Handwheel	Cast Iron
8	Gear	Cast Iron



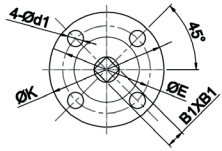
V1. Dimensions in mm

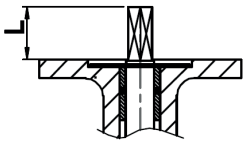
ART 125GB DN400-600





Top Flange





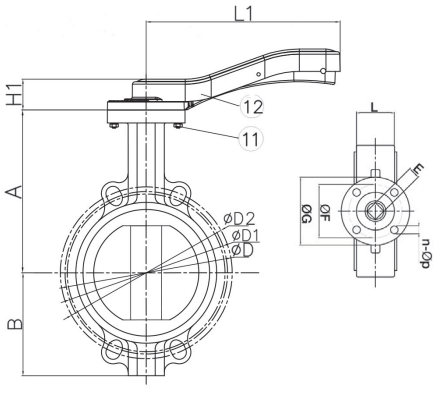
DN	400	450	500	600
A	405	422	480	562
B	321	328	361	459
C	102	114	127	152
D	389.6	440.5	491.6	592.5
L	50	50	60	60
B1	27	27	36	36
D1	525	585	650	770
N-Ød	4-31	4-31	20-34	20-37
&°	22.5°	18°	18°	18°
L1	110	110	110	128
L2	254	254	254	301
L3	326	326	326	392
Q	290	290	290	385
Kgs	85	107	126	243

V1. Dimensions in mm

ART 120
Ductile Iron Butterfly Valve Wafer Type

Features

- Universal flange mounting PN10, PN16, ASA150
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- Lockable handle
- Epoxy coat finish

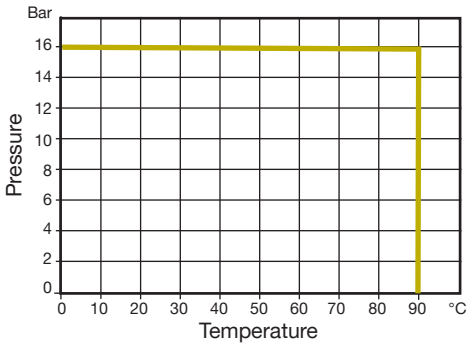


Technical data
Max pressure: 16 Bar
Working temp: 0°C to +90°C

DN	50	65	80	100	125	150	200	250	300
A	142	154	161	179	193	204	250	282	326
B	60	78	87	105	120	138	174	209	242
C	56	56	56	56	56	56	71	71	71
D	125	145	160	180	210	240	295	355	410
E	11	11	11	11	14	14	17	22	22
F	70	70	70	70	70	70	102	102	102
G	90	90	90	90	90	90	125	125	125
H	19	19	19	19	19	19	25	30	30
H1	31	31	31	36	36	36	42	42	42
L	41.4	44.0	44.6	51.4	53.8	55.1	59.5	65.0	75.9
L1	176	176	176	225	225	225	300	359	359
Holes	4x19	4x19	8x19	8x19	8x19	8x23	12x23	12x28	12x28
n-Øp	4x10	4x10	4x10	4x10	4x10	4x10	4x12	4x12	4x12
Torque	19	21	28	43	60	91	194	295	412
Kv	118	258	510	926	1500	2170	3842	5014	9230
Kgs	2.35	2.75	3.05	4.70	5.50	6.75	11.60	20.40	29.10

We strongly advise gearbox on all 8”, 10” and 12” valves.

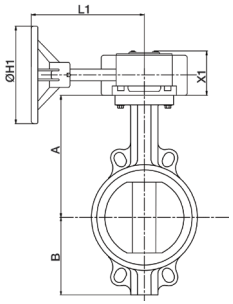
N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Stainless Steel 316
3	Seat	NBR
4	Upper Shaft	Stainless Steel 410
5	Lower Shaft	Stainless Steel 411
6	Short Bush	PTFE
7	Long Bush	PTFE
8	Split Pin	Spring Steel
9	Circlip	Spring Steel
10	O-Ring	EPDM
11	Bolt	Carbon Steel
12	Lever	DN50-150 Aluminium DN200-300 DI



V1. Dimensions in mm

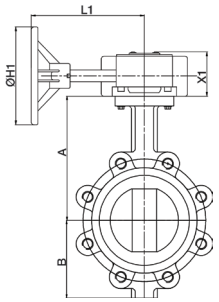
GEARBOX

Gearbox when fitted to ART 110, 115, 120

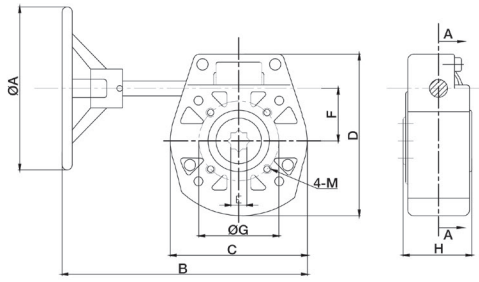


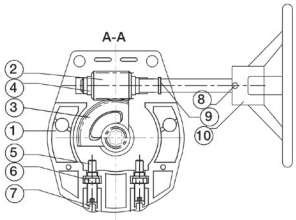
DN	50	65	80	100	125	150	200	250	300
A	142	154	161	179	193	204	250	282	326
B	60	78	87	105	120	138	174	209	242
H1	134	134	134	134	134	134	215	215	215
L1	145	145	145	145	145	145	216	216	216
X1	62	62	62	62	62	62	71	71	71

Gearbox when fitted to ART 135, 145



DN	50	65	80	100	125	150	200	250	300
A	142	154	161	179	193	204	250	282	326
B	75	80	91	110	125	137	178	208	241
H1	134	134	134	134	134	134	215	215	215
L1	145	145	145	145	145	145	216	216	216
X1	62	62	62	62	62	62	71	71	71



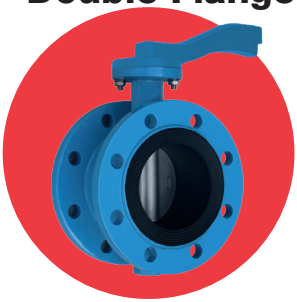


DN	2”-6”	8”-12”
A	134	215
B	205	302
C	120	172
D	132	189
E	14	22
F	46	70
G	70	102
H	62	72
4-M	4-M8	4-M10

N.	Part Name	Materials
1	Body	Aluminium
2	Worm Gear	Carbon Steel
3	Worm Wheel	Ductile Iron
4	Bushing	Brass
5	Limit Bolt	Carbon Steel
6	Stop Nut	Carbon Steel
7	Rubber Plug	Rubber
8	Pin	Carbon Steel
9	O-Ring	NBR
10	Handwheel	Aluminium

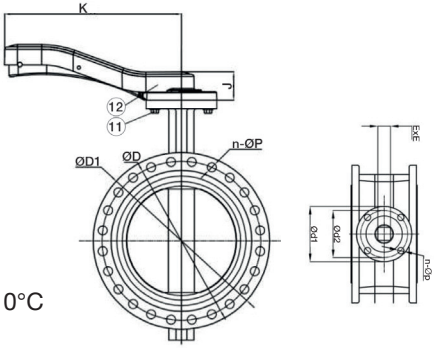
V1. Dimensions in mm

ART 150
Ductile Iron Butterfly Valve Double Flanged



Features

- Flange mounting PN16 only
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- BS EN558-1 Series 13
- Epoxy coat finish
- Lockable handle
- Vulcanised EPDM Liner

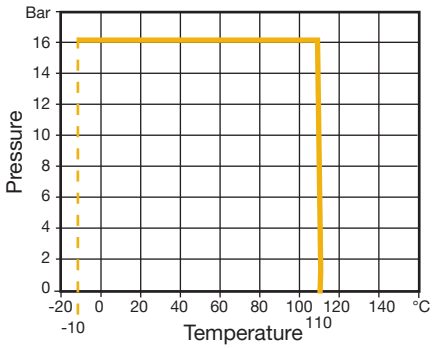


Technical data
Max pressure: 16 Bar
Working temp: -10°C to +110°C

DN	50	65	80	100	125	150	200	250	300
K	176	176	176	225	225	225	300	359	359
J	31	31	31	36	36	36	40	40	40
n-ØP	4-19	4-19	8-19	8-19	8-19	8-23	12-23	12-28	12-28
D	125	145	160	180	210	240	295	355	410
D1	165	185	200	220	250	285	340	405	460
f	3	3	3	3	3	3	3	3	3
H	19	19	119	19	19	19	25	30	30
t	19	19	119	19	19	19	20	22	24.5
L	108	112	114	127	140	140	152	165	178
D2	99	118	132	156	184	211	266	319	370
ExE	11	11	11	11	14	14	17	22	22
n-Øp	4-10	4-10	4-10	4-10	4-10	4-10	4-12	4-12	4-12
d1	90	90	90	90	90	90	125	125	125
d2	70	70	70	70	70	70	102	102	102
ISO	F07	F07	F07	F07	F07	F07	F10	F10	F10
Torque	20	23	34	52	101	120	293	390	468

We strongly advise gearbox on all 8", 10" and 12" valves.

N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Stainless Steel 316
3	Upper Shaft	Stainless Steel 420
4	Lower Shaft	Stainless Steel 420
5	Seat	EPDM
6	Bushing	PTFE
7	Cotter Pin	Plated Steel 65Mn
8	Circlip	Plated Steel 65Mn
9	O-Ring	NBR
10	Ring	Nylon PA6
11	Bolt	Stainless Steel 304
12	Handle	DN50-150 Aluminium DN200-300 DI

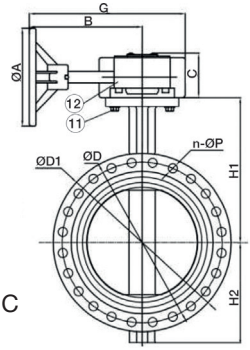


V1. Dimensions in mm

ART 150GB
Ductile Iron Butterfly Valve
Double Flanged

Features

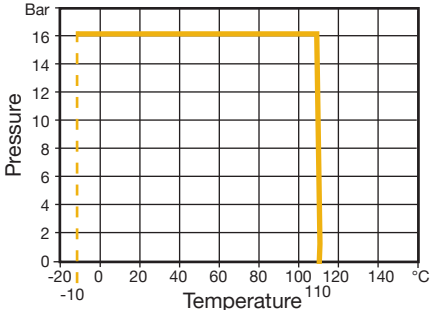
- Flange mounting PN16 only
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- BS EN558-1 Series 13
- Epoxy coat finish
- Gearbox
- Vulcanised EPDM Liner



Technical data
Max pressure: 16 Bar
Working temp: -10°C to +110°C

DN	50	65	80	100	125	150	200	250	300	350
G	205	205	205	205	205	205	302	302	302	307
B	145	145	145	145	145	145	216	216	216	225
A	134	134	134	134	134	134	215	215	215	300
C	62	62	62	62	62	62	71	71	71	84
H1	139	146	150	177	179	201	230	267	298	310
H2	80	89	95	114	125	139	170	198	223	254
n-ØP	4-19	4-19	8-19	8-19	8-19	8-23	12-23	12-28	12-28	16-28
D	125	145	160	180	210	240	295	355	410	470
D1	165	185	200	220	250	285	340	405	460	520
f	3	3	3	3	3	3	3	3	3	3
H	19	19	19	19	19	19	25	30	30	40
t	19	19	19	19	19	19	20	22	24.5	26.5
L	108	112	114	127	140	140	152	165	178	190
D2	99	118	132	156	184	211	266	319	370	429
ExE	11	11	11	11	14	14	17	22	22	22
n-Øp	4-10	4-10	4-10	4-10	4-10	4-10	4-12	4-12	4-12	4-12
d1	90	90	90	90	90	90	125	125	125	125
d2	70	70	70	70	70	70	102	102	102	102
ISO	F07	F07	F07	F07	F07	F07	F10	F10	F10	F10
Torque	20	23	34	52	101	120	293	390	468	927

N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Stainless Steel 316
3	Upper Shaft	Stainless Steel 420
4	Lower Shaft	Stainless Steel 420
5	Seat	EPDM
6	Bushing	PTFE
7	Cotter Pin	Plated Steel 65Mn
8	Circlip	Plated Steel 65Mn
9	O-Ring	NBR
10	Ring	Nylon PA6
11	Bolt	Stainless Steel 304
12	Gearbox	DN50-300 Aluminium DN350 DI



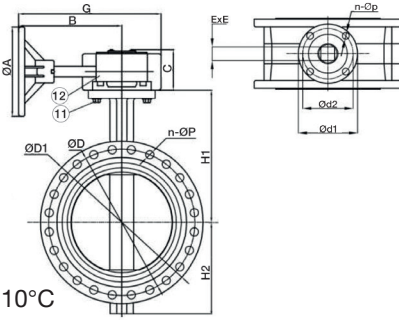
V1. Dimensions in mm

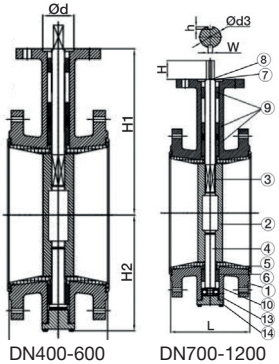
ART 150GB

DN400-1200 Ductile Iron Butterfly Valve Double Flanged

Features

- Flange mounting PN16 only
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- BS EN558-1 Series 13
- Epoxy coat finish
- Gearbox
- Vulcanised EPDM Liner



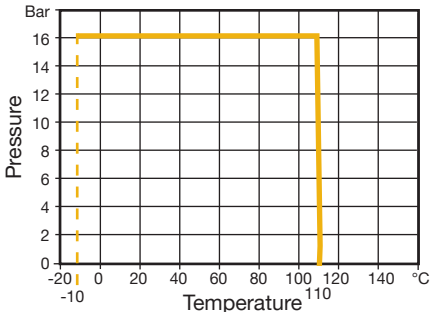


DN400-600 DN700-1200

Technical data
Max pressure: 16 Bar
Working temp: -10°C to +110°C

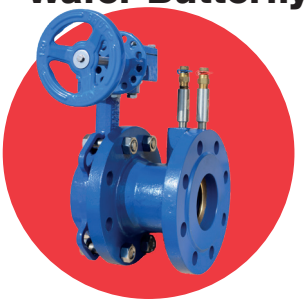
DN	400	450	500	600	700	800	900	1000	1200
G	375	375	375	441	538	538	627	627	645
B	264	264	264	307	364	364	430	430	465
A	300	300	300	300	430	430	430	430	430
C	131	131	131	138	159	159	228	228	253
H1	340	375	430	500	560	620	685	735	917
H2	303	340	373	435	505	555	630	695	805
n-ØP	16-31	20-31	20-34	20-37	24-37	24-41	28-41	28-44	32-50
D	525	585	650	770	840	950	1050	1170	1390
D1	580	640	715	840	910	1025	1125	1255	1485
d	100.5	100.5	100.5	130.5	200	200	200	200	230
H	52	52	64	70	65	65	125	142	142
h	-	-	-	-	6	6	9	9	10
W	-	-	-	-	16	16	22	22	28
L	216	222	229	267	292	318	330	410	470
d3	-	-	-	-	63.4	63.4	75	85	105
ExE	27	27	27	36	-	-	-	-	-
n-Øp	4-18	4-18	4-18	4-23	8-18	8-18	8-18	8-18	8-22
d1	175	175	175	210	300	300	300	300	350
d2	140	140	140	165	254	254	254	254	298
ISO	F14	F14	F14	F16	F25	F25	F25	F25	F30
Torque	1755	1950	2773	5070	7670	9100	13350	19500	34500

N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Stainless Steel 316
3	Upper Shaft	DN400-600 St St 420. DN700-1200 St St 431
4	Lower Shaft	DN400-600 St St 420. DN700-1200 St St 431
5	Seat	EPDM
6	Bushing	DN400-600 PTFE. DN700-1200 Brass H59
7	Cotter Pin	Plated Steel 65Mn
8	Circlip	Plated Steel 65Mn
9	O-Ring	NBR
10	Ring	Nylon PA6
11	Bolt	Stainless Steel 304
12	Gearbox	Ductile Iron
13	End Cover	Ductile Iron GGG40
14	Pressure Bearing	Steel



V1. Dimensions in mm

ART 2115GB
Fixed Orifice Regulating Wafer Butterfly Valve

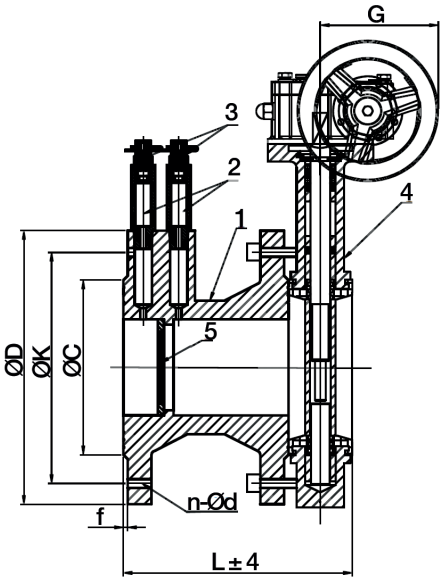


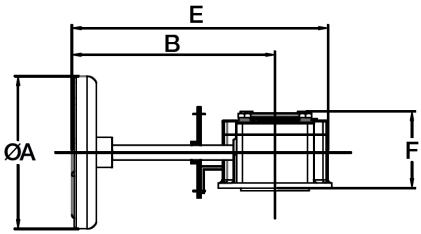
Features

- Flange Mounting PN16 Only
- Position Indicator
- Fixed orifice with ± 5% flow measurement accuracy
- Supplied with 2 extended test points
- Gearbox has multiple lockable positions
- The ART 2115GB consists of an ART 115 Butterfly Valve coupled to a Fixed Orifice Flanged Metering Station to form a fixed orifice commissioning set with regulation and isolation capabilities
- Supplied fully assembled

Technical data

Max Pressure: 16 Bar
Working Temperature: -10°C to +110°C





N.	Part Name	Materials
1	Metering Station	Cast Iron GG25
2	Extension	Stainless Steel 304
3	Test Point	Brass
4	Butterfly Valve	Ductile Iron GGG40
5	Fixed Orifice	Brass

DN	50	65	80	100	125	150	200	250	300
ØD	165	185	200	220	250	285	340	405	460
ØK	125	145	160	180	210	240	295	355	410
ØC	99	118	132	156	184	211	266	319	370
f	3	3	3	3	3	3	3	3	4
Ød	19	19	19	19	19	23	23	28	28
n	4	4	8	8	8	8	12	12	12
L	150	156	176	165	195	202	238	275	295
ØA	122	122	122	122	122	122	200	200	200
B	161	161	161	161	161	161	194	194	194
E	210	210	210	210	210	210	260	260	260
F	61	61	61	61	61	61	72	72	72
G	104	104	104	104	104	104	158	158	158
Kv	60	112	175	314	461	662	1161	1705	2647
Kvs	47.5	88.5	125	228	328.8	477.5	826	1218	1794
Kgs	11.8	13.4	16.8	18.8	25.0	31.0	49.2	72.0	94.0

V1. Dimensions in mm

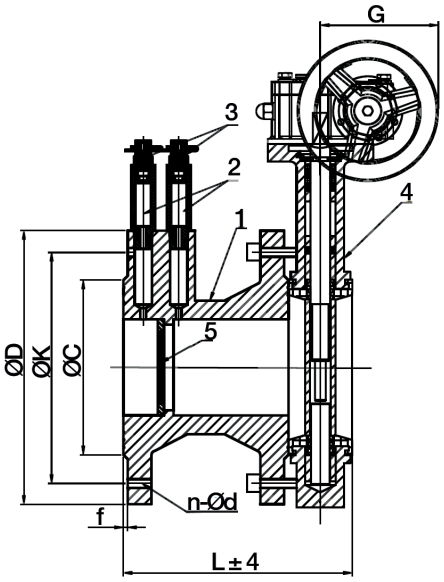
ART 2135GB
Fixed Orifice Regulating Lugged & Tapped Butterfly Valve

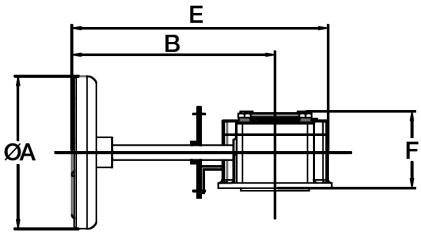
Features

- Flange Mounting PN16 Only
- Position Indicator
- Fixed orifice with ± 5% flow measurement accuracy
- Supplied with 2 extended test points
- Gearbox has multiple lockable positions
- The ART 2135GB consists of an ART 135 Butterfly Valve coupled to a Fixed Orifice Flanged Metering Station to form a fixed orifice commissioning set with regulation and isolation capabilities
- Supplied fully assembled

Technical data

Max Pressure: 16 Bar
Working Temperature: -10°C to +110°C





N.	Part Name	Materials
1	Metering Station	Cast Iron GG25
2	Extension	Stainless Steel 304
3	Test Point	Brass
4	Butterfly Valve	Ductile Iron GGG40
5	Fixed Orifice	Brass

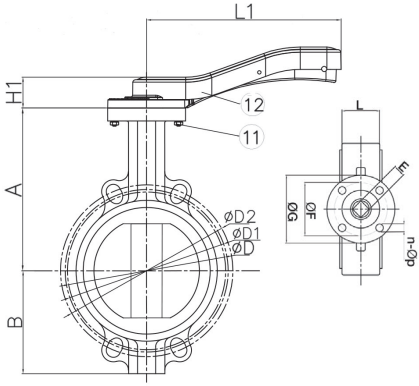
DN	50	65	80	100	125	150	200	250	300
ØD	165	185	200	220	250	285	340	405	460
ØK	125	145	160	180	210	240	295	355	410
ØC	99	118	132	156	184	211	266	319	370
f	3	3	3	3	3	3	3	3	4
Ød	19	19	19	19	19	23	23	28	28
n	4	4	8	8	8	8	12	12	12
L	150	156	176	165	195	202	238	275	295
ØA	122	122	122	122	122	122	200	200	200
B	161	161	161	161	161	161	194	194	194
E	210	210	210	210	210	210	260	260	260
F	61	61	61	61	61	61	72	72	72
G	104	104	104	104	104	104	158	158	158
Kv	60	112	175	314	461	662	1161	1705	2647
Kvs	47.5	88.5	125	228	328.8	477.5	826	1218	1794
Kgs	12.6	14.3	18.7	21.0	27.7	34.2	53.1	77.4	97.7

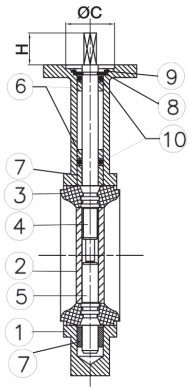
V1. Dimensions in mm

ART 110
Ductile Iron Butterfly Valve Wafer Type

Features

- Universal flange mounting PN10, PN16, ASA150
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- Lockable handle
- Epoxy coat finish



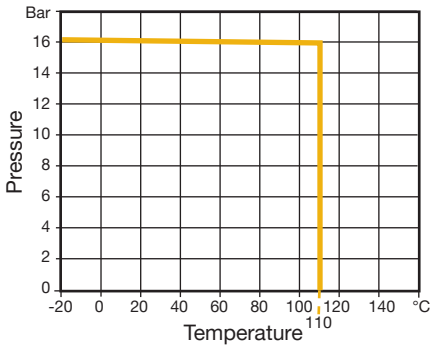


Technical data
Max pressure: 16 Bar
Working temp: -20°C to +110°C

DN	50	65	80	100	125	150	200	250	300
A	142	154	161	179	193	204	250	282	326
B	60	78	87	105	120	138	174	209	242
C	56	56	56	56	56	56	71	71	71
D	125	145	160	180	210	240	295	355	410
E	11	11	11	11	14	14	17	22	22
F	70	70	70	70	70	70	102	102	102
G	90	90	90	90	90	90	125	125	125
H	19	19	19	19	19	19	25	30	30
H1	31	31	31	36	36	36	42	42	42
L	41.4	44.0	44.6	51.4	53.8	55.1	59.5	65.0	75.9
L1	176	176	176	225	225	225	300	359	359
Holes	4x19	4x19	8x19	8x19	8x19	8x23	12x23	12x28	12x28
n-Øp	4x10	4x10	4x10	4x10	4x10	4x10	4x12	4x12	4x12
Torque	19	21	28	43	60	91	194	295	412
Kv	118	258	510	926	1500	2170	3842	5014	9230
Kgs	2.35	2.75	3.05	4.70	5.50	6.75	11.60	20.40	29.10

We strongly advise gearbox on all 8”, 10” and 12” valves.

N.	Part Name	Materials
1	Body	Ductile Iron GGG40
2	Disc	Ductile Iron / Nickel Plated
3	Seat	EPDM
4	Upper Shaft	Stainless Steel 410
5	Lower Shaft	Stainless Steel 411
6	Short Bush	PTFE
7	Long Bush	PTFE
8	Split Pin	Spring Steel
9	Circlip	Spring Steel
10	O-Ring	EPDM
11	Bolt	Carbon Steel
12	Lever	DN50-150 Aluminium DN200-300 DI



V1. Dimensions in mm