



Butterfly Valves

Issue 03



It's all at Albion

ART 135 PN16

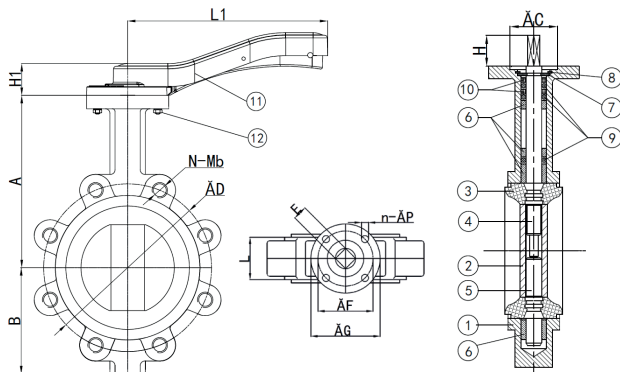
Ductile Iron Butterfly Valve

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

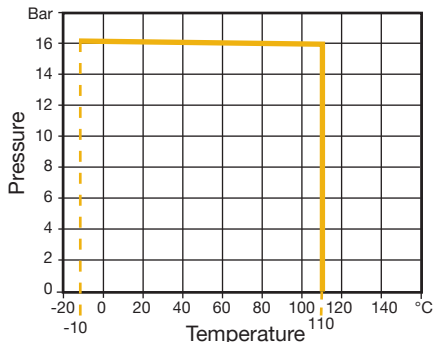
Working temp: -10°C to +110°C

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
ISO 5211	F07	F07	F07	F07	F07	F07	F10	F10	F10
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

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

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



V2. Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

ART 135GB PN16

Ductile Iron Butterfly Valve

Lugged and Tapped



Features

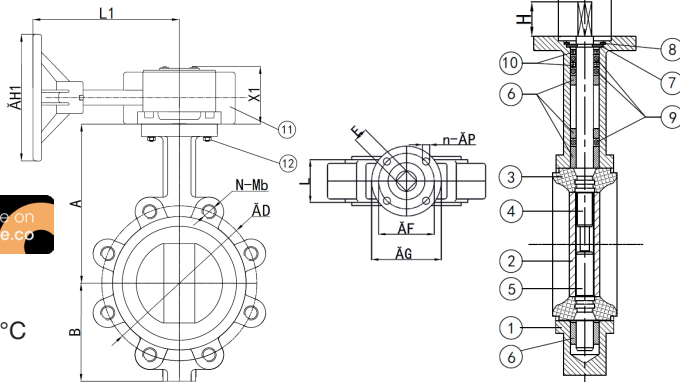
- Flange mounting PN16 only
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- Epoxy coat finish
- MSS-SP-67



Technical data

Max pressure: 16 Bar

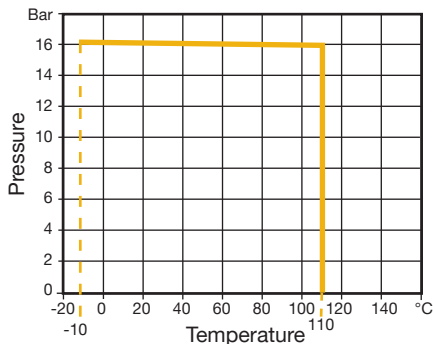
Working temp: -10°C to +110°C



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



V2. Dimensions in mm

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ART 135GB PN16

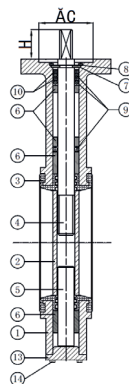
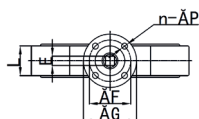
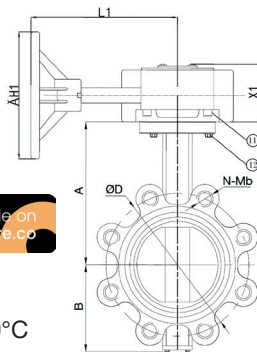
DN350-600 Ductile Iron

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

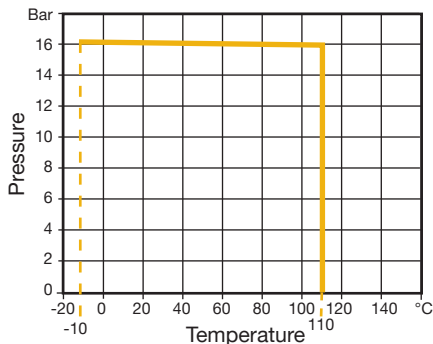
Max pressure: 16 Bar

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
AG	125	175	175	175	210
n-ÄP	4-12	4-18	4-18	4-18	4-23
AF	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



V2. Dimensions in mm

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ART 135 PN25

PN25 Ductile Iron Butterfly Valve Lugged and Tapped



Features

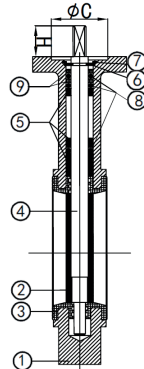
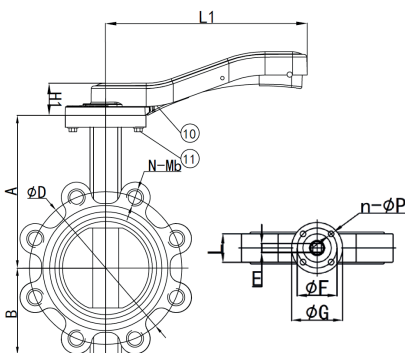
- Flange mounting PN25 only
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- Lockable handle
- Epoxy coat finish
- Vulcanised liner



Technical data

Max pressure: 25 Bar

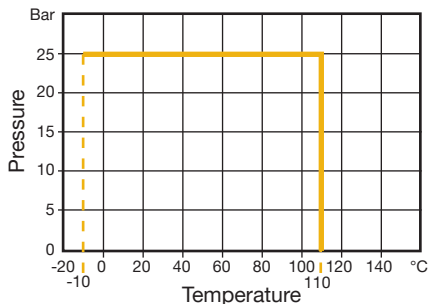
Working temp: -10°C to +110°C



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



V2. Dimensions in mm

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ART 135GB PN25

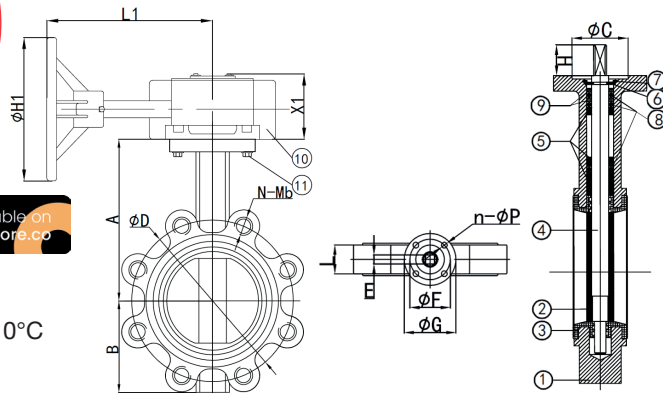
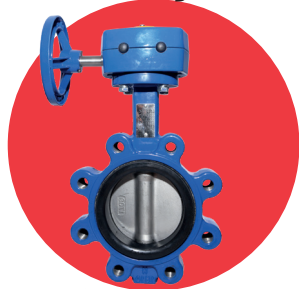
DN200-300 Ductile Iron

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

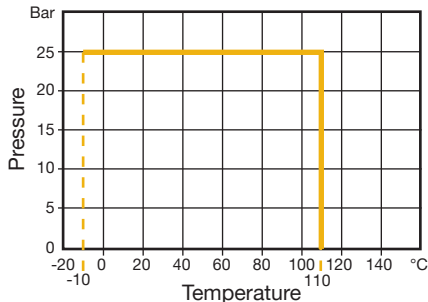
Max pressure: 25 Bar

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



V2. Dimensions in mm

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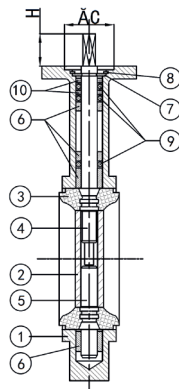
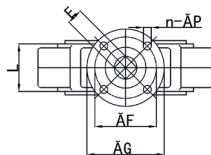
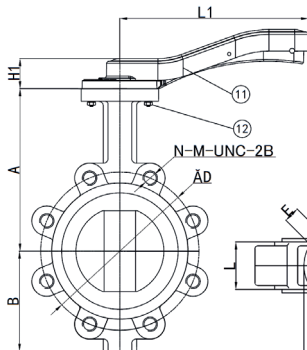
ART 135 ANSI

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

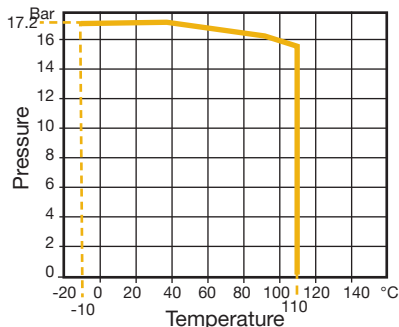
Working temp: -10°C to +110°C

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-AP	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

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

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

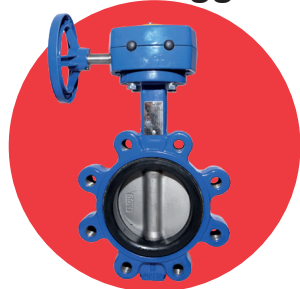


V1. Dimensions in mm

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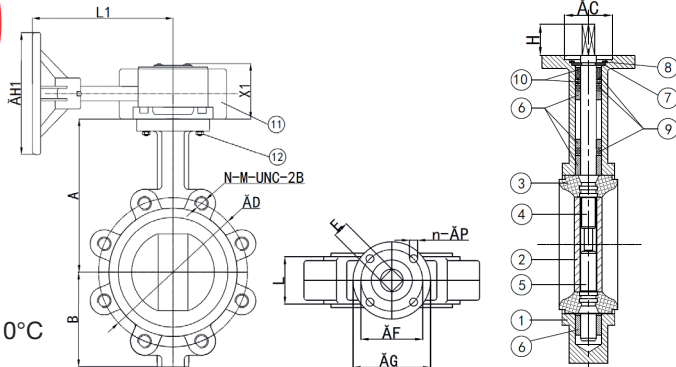
ART 135GB ANSI

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

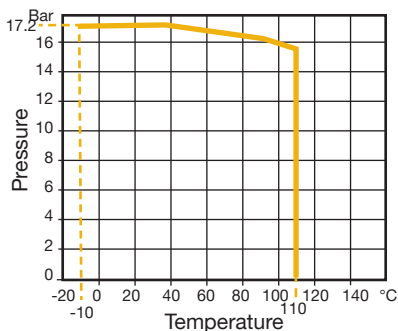
Working temp: -10°C to +110°C

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

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

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



V1. Dimensions in mm

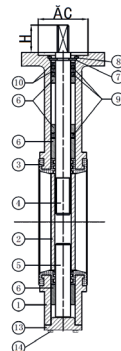
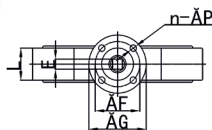
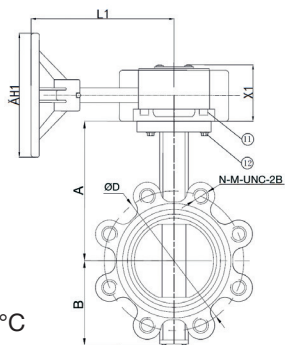
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ART 135GB ANSI DN350-600 Ductile Iron Butterfly Valve Lugged and Tapped



Features

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



Technical data

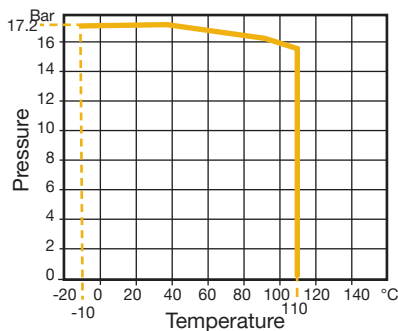
Max pressure: 17.2 Bar

Working temp: -10°C to +110°C

DN	350	400	450	500	600
AD	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
AG	125	175	175	175	210
n-AP	4-12	4-18	4-18	4-18	4-23
AF	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

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ART 140

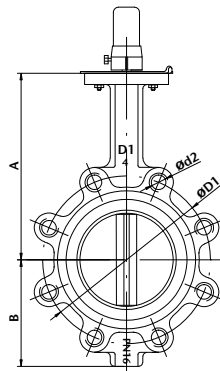
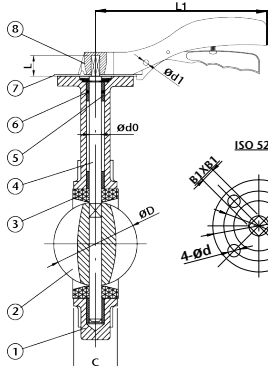
Ductile Iron Butterfly Valve Lugged & Tapped



Available on
bimstore.co

Features

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



Technical data

Max pressure: 16 Bar

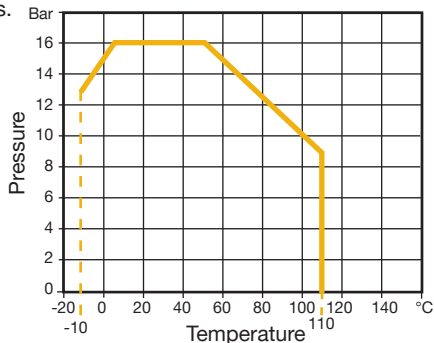
Working temp: -10°C to +110°C

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
L1	170	170	170	215	215	215	352	352	352
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	90.97	191.44	360.93	892.66	995.29	1705.87	3182.92	4961.15	9252.07
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



V5. Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

ART 140GB

Ductile Iron Butterfly Valve Lugged & Tapped



Features

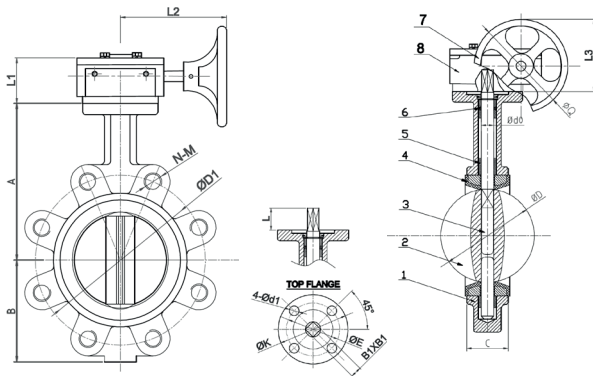
- Flanged mounting PN16 only
- BS5155 (BS EN 593)
- ISO 5211 direct mount
- Lockable handle
- Epoxy coat finish



Technical data

Max pressure: 16 Bar

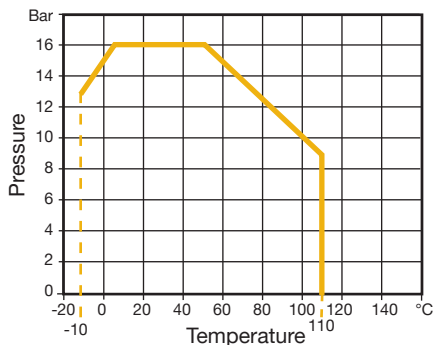
Working temp: -10°C to +110°C



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	90.97	191.44	360.93	892.66	995.29	1705.87	3182.92	4961.15	9252.07	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



V4. Dimensions in mm

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ART 140GB

DN400-600 Ductile Iron

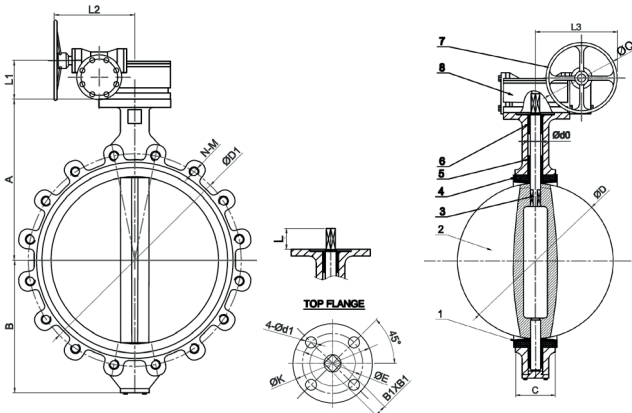
Butterfly Valve Lugged & Tapped



Available on
bimstore.co

Features

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



Technical data

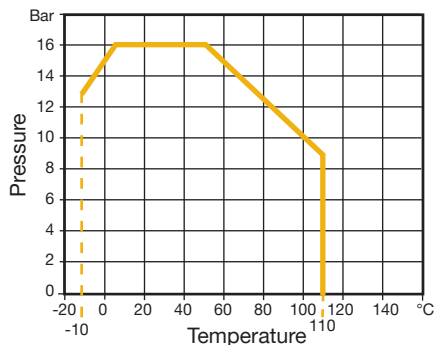
Max pressure: 16 Bar

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



V2. Dimensions in mm

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ART 145

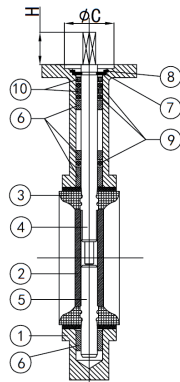
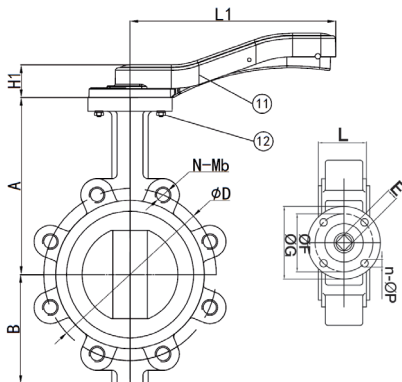
Ductile Iron Butterfly Valve

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

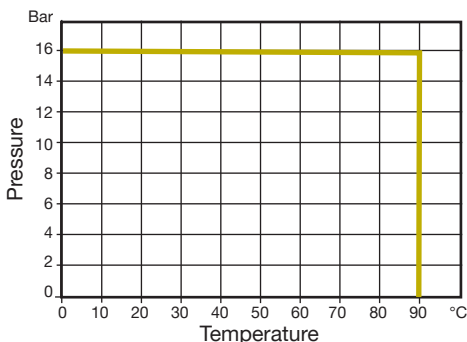
Working temp: 0°C to +90°C

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-AP	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

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

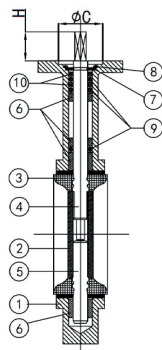
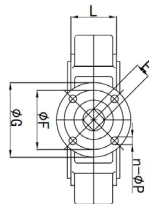
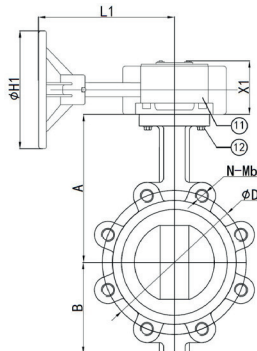
ART 145GB

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

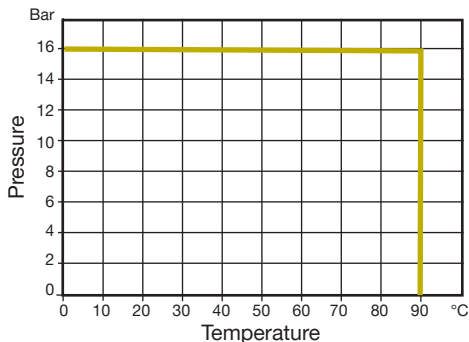
Max pressure: 16 Bar

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

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

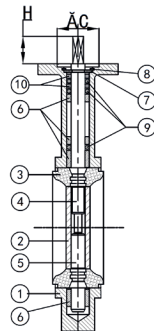
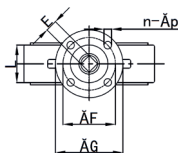
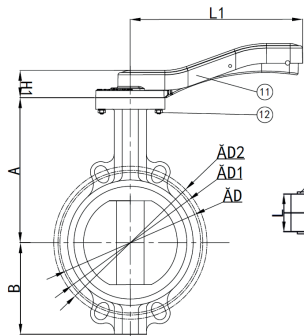
ART 115

Ductile Iron Butterfly Valve Wafer Type



Features

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



Technical data

Max pressure: 16 Bar

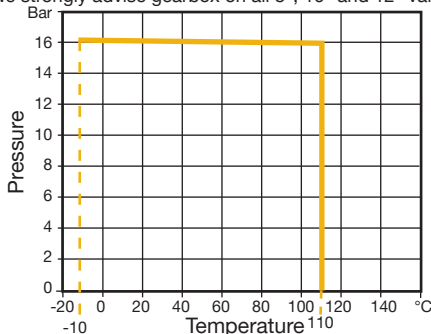
Working temp: -10°C to +110°C

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 - PN10	125	145	160	180	210	240	295	350	400
D1 - PN16	125	145	160	180	210	240	295	355	410
D2 - ANSI 150	120.7	139.7	152.4	190.5	215.9	241.3	298.5	362.0	431.8
ISO 5211	F07	F07	F07	F07	F07	F07	F10	F10	F10
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 ANSI 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



V3. Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

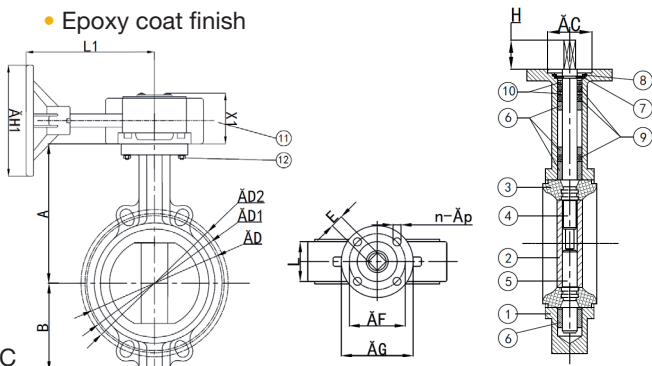
ART 115GB

Ductile Iron Butterfly Valve Wafer Type



Features

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



Technical data

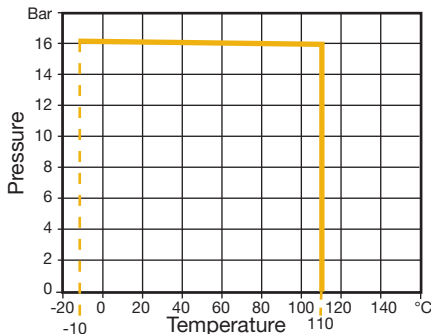
Max pressure: 16 Bar

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
D - PN10	125	145	160	180	210	240	295	350	400
D1 - PN16	125	145	160	180	210	240	295	355	410
D2 - ANSI 150	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 ANSI 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

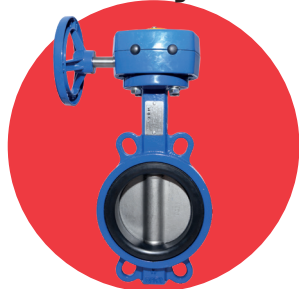
N. Part Name Materials

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

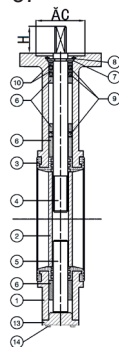
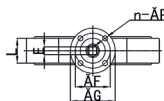
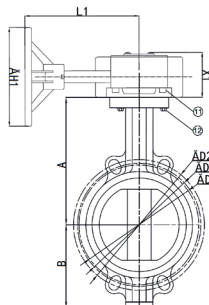


V2. Dimensions in mm

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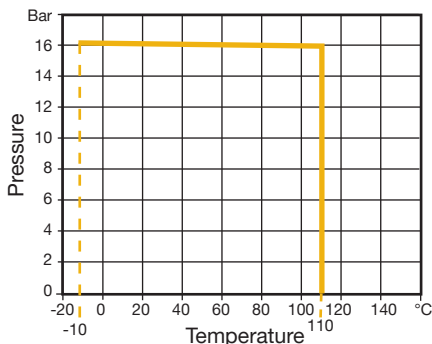
- Universal flange mounting PN10, PN16, ANSI 150
- BS5155 (BS EN 593) / ANSI 150
- ISO 5211 direct mount
- Epoxy coat finish



Working temp: -10°C to +110°C

N.	Part Name	Materials
1	1.1	1.1.1
2	2.1	2.1.1
3	3.1	3.1.1
4	4.1	4.1.1
5	5.1	5.1.1
6	6.1	6.1.1
7	7.1	7.1.1
8	8.1	8.1.1
9	9.1	9.1.1
10	10.1	10.1.1
11	11.1	11.1.1
12	12.1	12.1.1
13	13.1	13.1.1
14	14.1	14.1.1
15	15.1	15.1.1
16	16.1	16.1.1
17	17.1	17.1.1
18	18.1	18.1.1
19	19.1	19.1.1
20	20.1	20.1.1
21	21.1	21.1.1
22	22.1	22.1.1
23	23.1	23.1.1
24	24.1	24.1.1
25	25.1	25.1.1
26	26.1	26.1.1
27	27.1	27.1.1
28	28.1	28.1.1
29	29.1	29.1.1
30	30.1	30.1.1
31	31.1	31.1.1
32	32.1	32.1.1
33	33.1	33.1.1
34	34.1	34.1.1
35	35.1	35.1.1
36	36.1	36.1.1
37	37.1	37.1.1
38	38.1	38.1.1
39	39.1	39.1.1
40	40.1	40.1.1
41	41.1	41.1.1
42	42.1	42.1.1
43	43.1	43.1.1
44	44.1	44.1.1
45	45.1	45.1.1
46	46.1	46.1.1
47	47.1	47.1.1
48	48.1	48.1.1
49	49.1	49.1.1
50	50.1	50.1.1
51	51.1	51.1.1
52	52.1	52.1.1
53	53.1	53.1.1
54	54.1	54.1.1
55	55.1	55.1.1
56	56.1	56.1.1
57	57.1	57.1.1
58	58.1	58.1.1
59	59.1	59.1.1
60	60.1	60.1.1
61	61.1	61.1.1
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96	96.1	96.1.1
97	97.1	97.1.1
98	98.1	98.1.1
99	99.1	99.1.1
100	100.1	100.1.1

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



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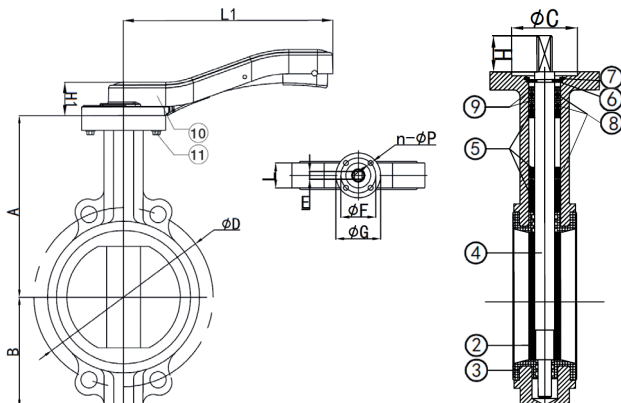
ART 115 PN25

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

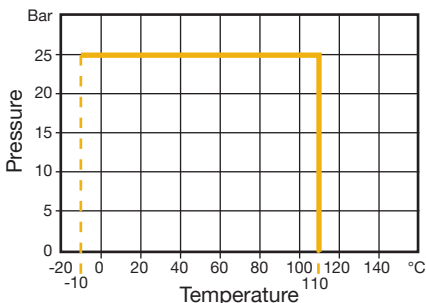
Max pressure: 25 Bar

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
ISO 5211	F07	F07	F07	F07	F07	F07
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

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

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



V2. Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

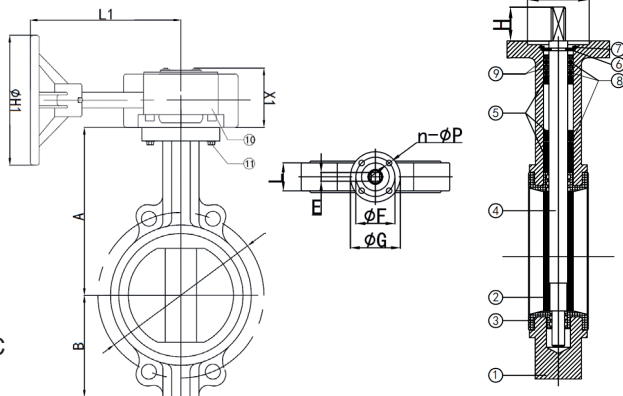
ART 115GB PN25

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



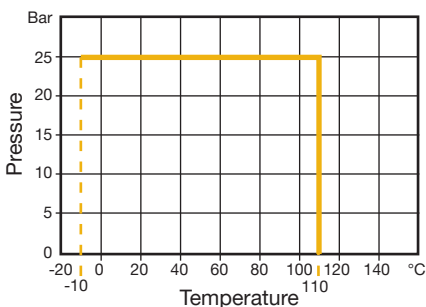
Technical data

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

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

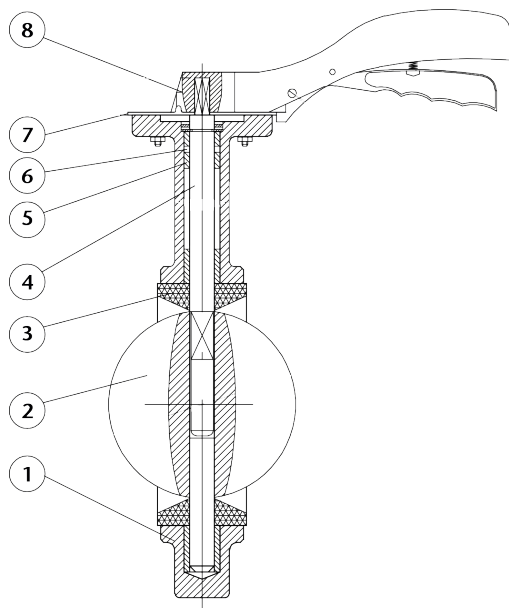
ART 125

Ductile Iron Butterfly Valve Wafer Type



Features

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



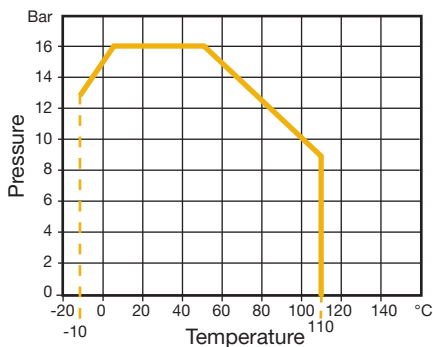
Technical data

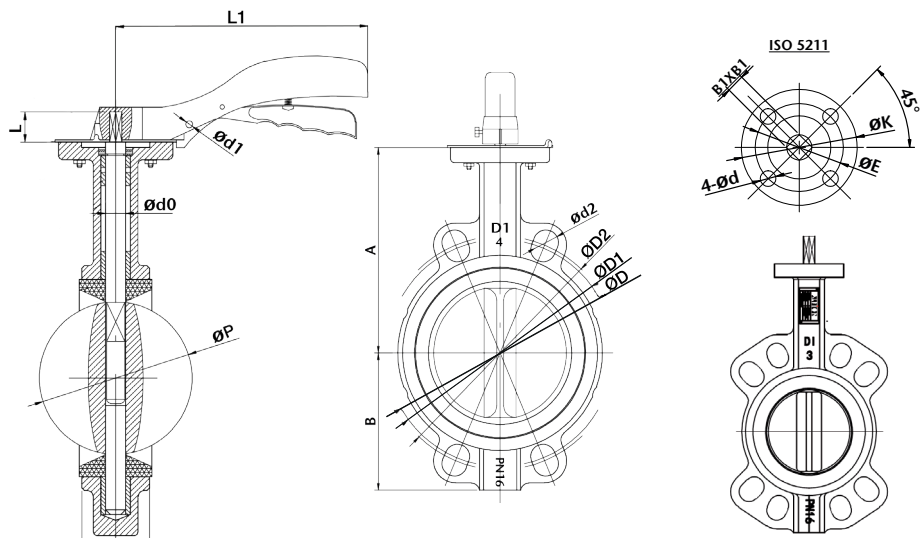
Max pressure: 16 Bar

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





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
P	52.9	64.5	78.8	104.0	123.3	155.1	202.5	250.5	301.5
D - PN10	125	145	160	180	210	240	295	350	400
D1 - PN16	125	145	160	180	210	240	295	355	410
D2 - ANSI 150	120.7	139.7	152.4	190.5	215.9	241.3	298.5	362.0	431.8
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
L1	170	170	170	215	215	215	352	352	352
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	90.97	191.44	360.93	892.66	995.29	1705.87	3182.92	4961.15	9252.07
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.

ART 125GB

Ductile Iron Butterfly Valve Wafer Type with Gearbox



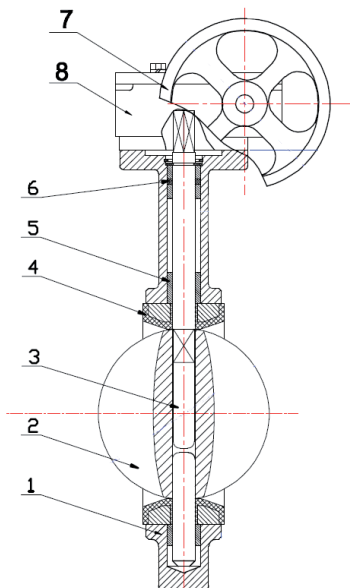
Features

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

Technical data

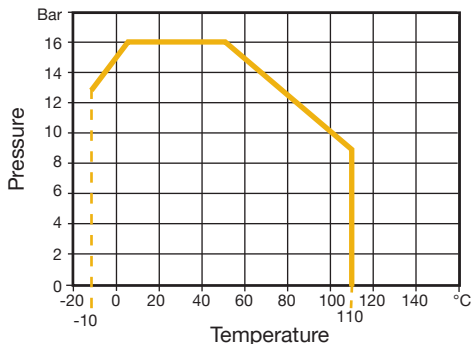
Max pressure: 16 Bar

Working temp: -10°C to +110°C

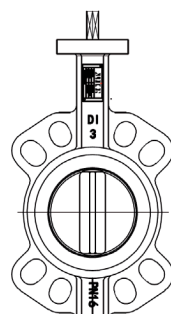
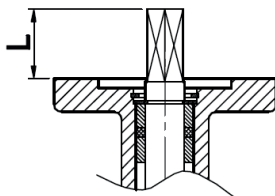
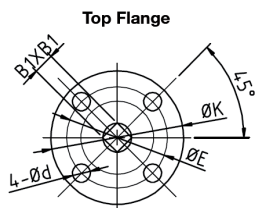
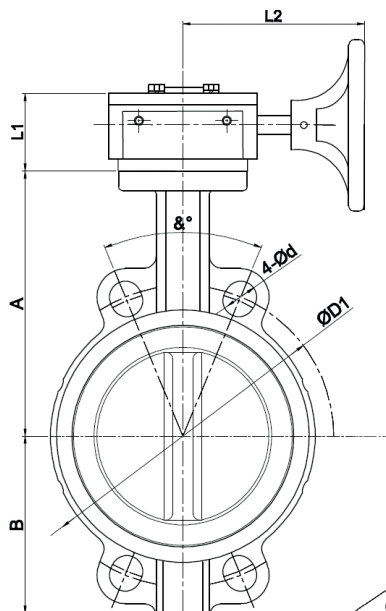
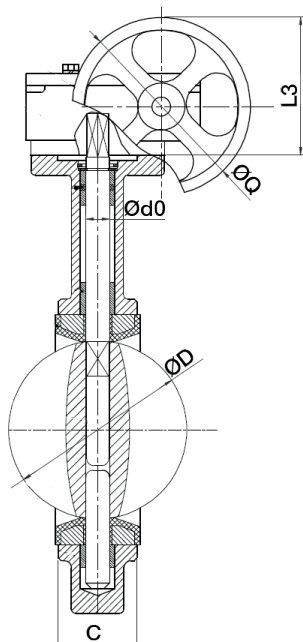


N. Part Name Materials

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



ART 125GB



DN80 Only
Double Lugged

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		90.97	191.44	360.93	892.66	995.29	1705.87	3182.92	4961.15	9252.07	10212
Kgs	5.1	5.8	6.2	7.3	8.6	10.6	11.2	21.2	29.0	38.4	48.1

ART 125GB DN400-600

Ductile Iron Butterfly Valve Wafer Type with Gearbox



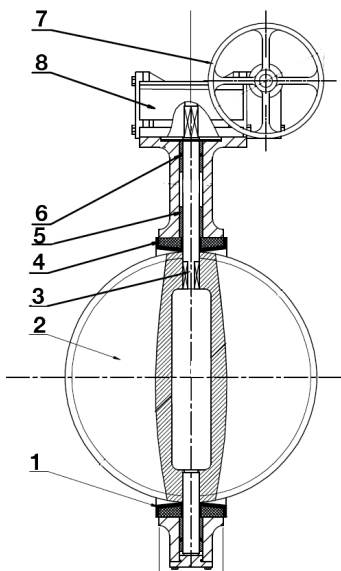
Features

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

Technical data

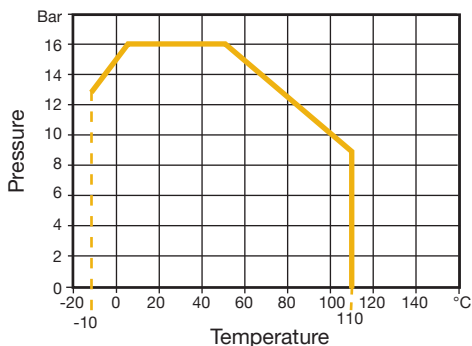
Max pressure: 16 Bar

Working temp: -10°C to +110°C

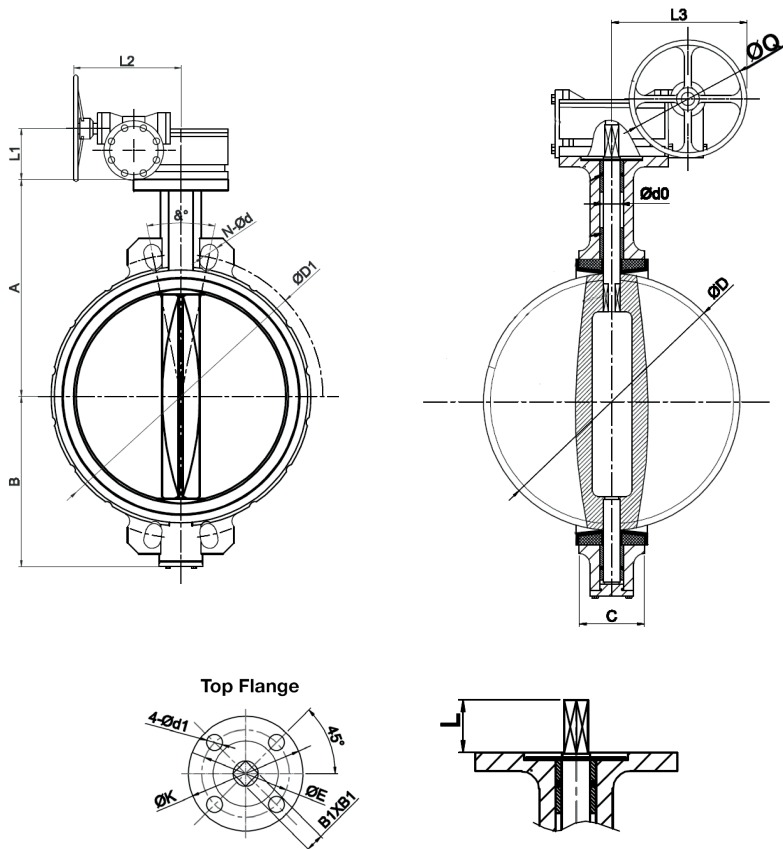


N. Part Name Materials

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



ART 125GB DN400-600



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
α°	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

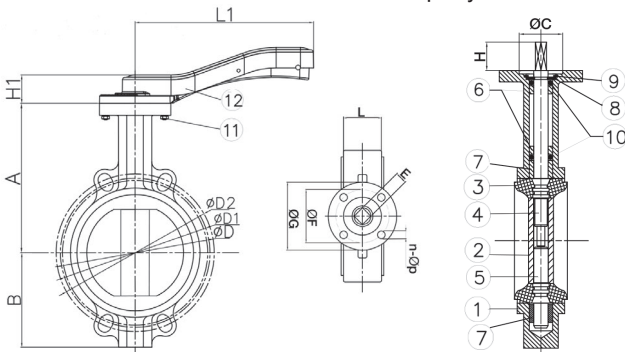
ART 120

Ductile Iron Butterfly Valve Wafer Type



Features

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



Technical data

Max pressure: 16 Bar

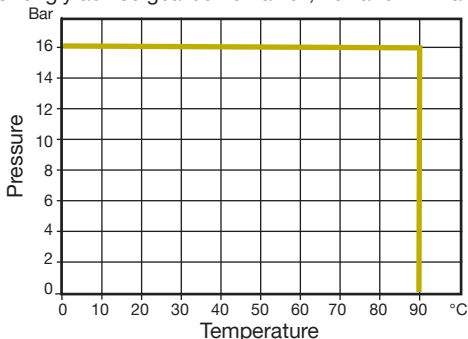
Working temp: 0°C to +90°C

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 - PN10	125	145	160	180	210	240	295	350	400
D1 - PN16	125	145	160	180	210	240	295	355	410
D2 - ANSI 150	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	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

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

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



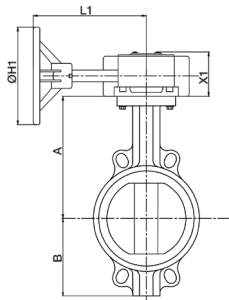
V2. Dimensions in mm

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GEARBOX

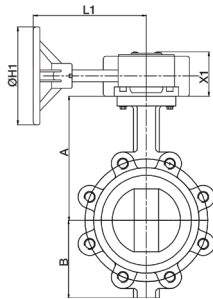


Gearbox when fitted to ART 110, 115, 120

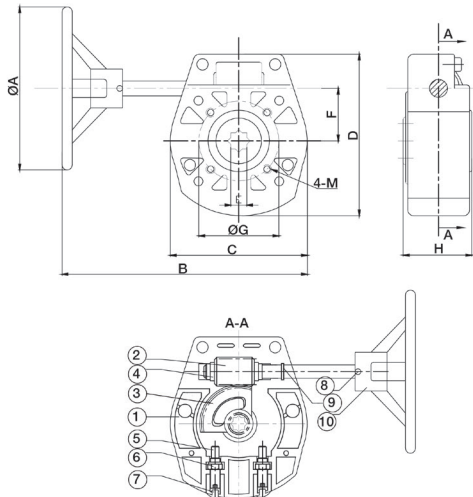


DN	50	65	80	100	125	150	200	250	300
A	142	154	161	179	193	204	250	282	326
B	60	78	87	105	120	138	174	209	242
H1	134	134	134	134	134	134	215	215	215
L1	145	145	145	145	145	145	216	216	216
X1	62	62	62	62	62	62	71	71	71

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



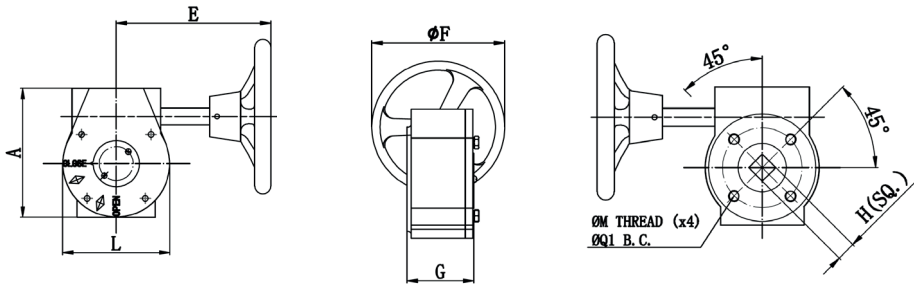
DN	2"-6"	8"-12"
A	134	215
B	205	302
C	120	172
D	132	189
E	14	22
F	46	70
G	70	102
H	62	72
4-M	4-M8	4-M10

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

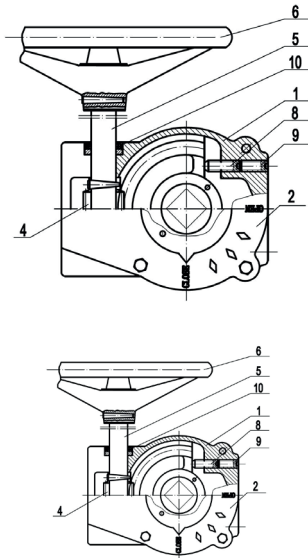
GEARBOX



Gearbox to suit ART 125 and ART 140 1½" - 10"



DN	1.1/2" - 3"	4"	5" - 6"	8"	10"
A	122	122	122	168	168
E	156	156	156	208	208
ØF	147	147	147	278	278
G	62	62	62	76	76
L	102	102	102	145	145
H	9	11	14	17	22
ØQ1	50	70	70	102	102
ISO 5211	F05	F07	F07	F10	F10
ØM	M6	M8	M8	M10	M10
Kgs	3.8	3.8	3.8	8.0	8.0

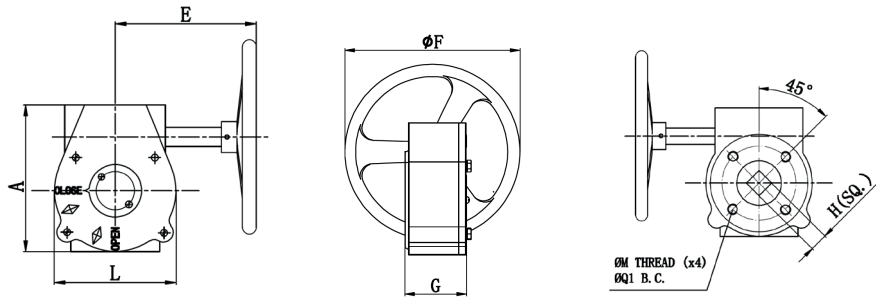


N.	Part Name	Materials
1	Housing	Grey Cast Iron EN-GJL-250
2	Top Cover	Grey Cast Iron EN-GJL-250
3	Gear Quadrant	Ductile Iron
4	Worm Gear	Steel
5	Input Shaft	Steel
6	Handwheel	Grey Cast Iron EN-GJL-250
7	Indicator	Aluminium
8	Adjustment Screw	Steel
9	Set Screw	Steel
10	Shaft Seal	NBR

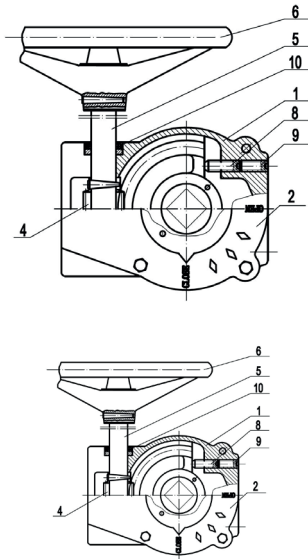
GEARBOX



Gearbox to suit ART 125 and ART 140 12" - 14"



DN	12"	14"
A	192.5	192.5
E	186	186
ØF	278	278
G	75	75
L	158	158
H	22	22
ØQ1	102	102
ISO 5211	F10	F10
ØM	M10	M10
Kgs	9.8	9.8



N.	Part Name	Materials
1	Housing	Grey Cast Iron EN-GJL-250
2	Top Cover	Grey Cast Iron EN-GJL-250
3	Gear Quadrant	Ductile Iron
4	Worm Gear	Steel
5	Input Shaft	Steel
6	Handwheel	Grey Cast Iron EN-GJL-250
7	Indicator	Aluminium
8	Adjustment Screw	Steel
9	Set Screw	Steel
10	Shaft Seal	NBR

ART 150

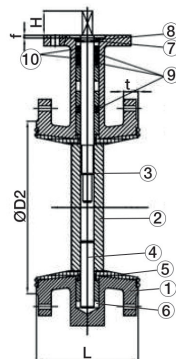
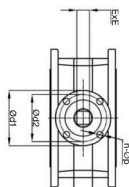
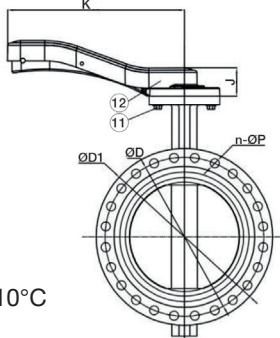
Ductile Iron Butterfly Valve

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

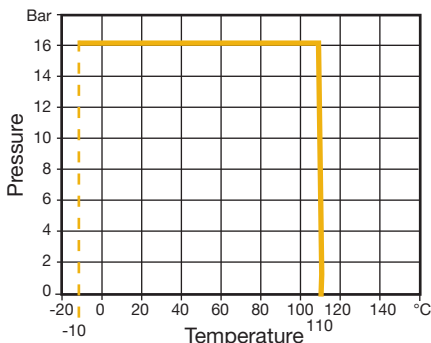
Working temp: -10°C to +110°C

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

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

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



V1. Dimensions in mm

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ART 150GB

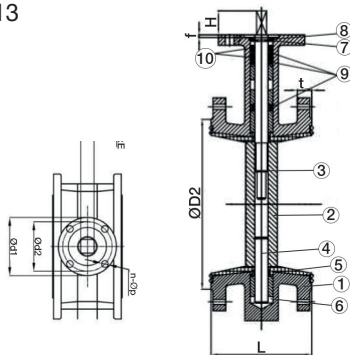
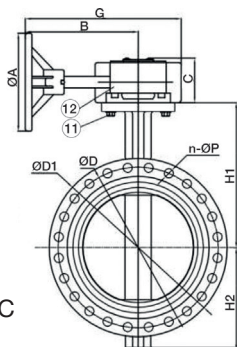
Ductile Iron Butterfly Valve

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

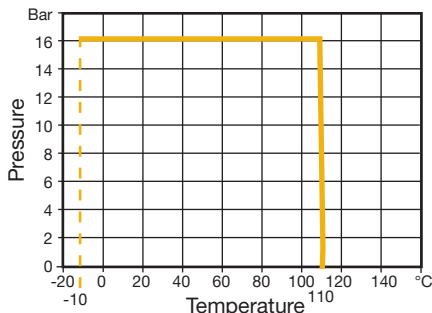
Max pressure: 16 Bar

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

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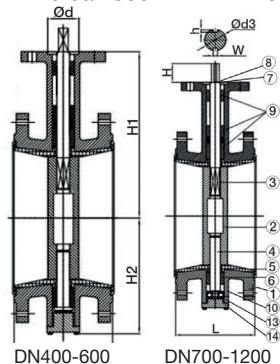
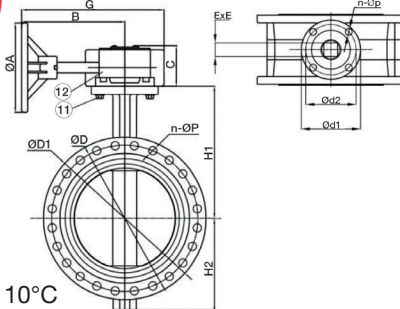
ART 150GB

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



Technical data

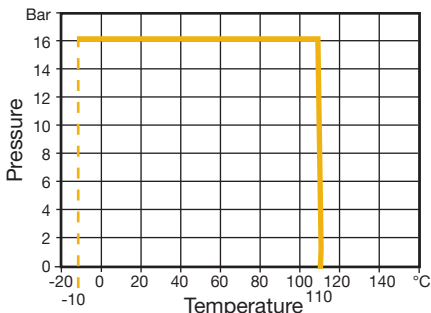
Max pressure: 16 Bar

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

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ART 2115GB

Fixed Orifice Regulating Wafer Butterfly Valve

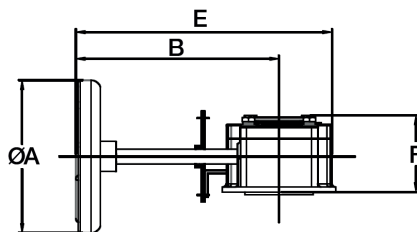
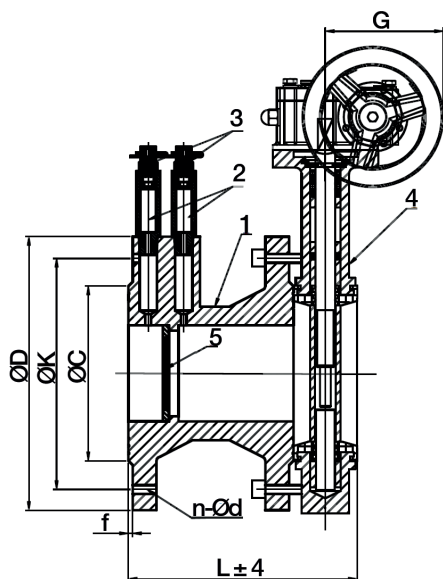


Features

- Flange Mounting PN16 Only
- Position Indicator
- Fixed orifice with $\pm 5\%$ 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 $+110^{\circ}\text{C}$



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

N. Part Name Materials

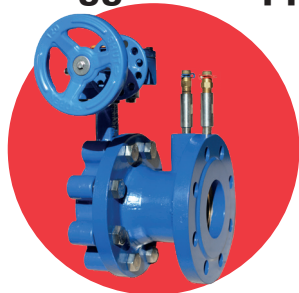
1	Metering Station	Cast Iron GG25
2	Extension	Stainless Steel 304
3	Test Point	Brass
4	Butterfly Valve	Ductile Iron GGG40
5	Fixed Orifice	Brass

V1. Dimensions in mm

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ART 2135GB

Fixed Orifice Regulating Lugged & Tapped Butterfly Valve

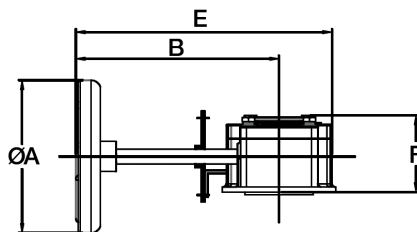
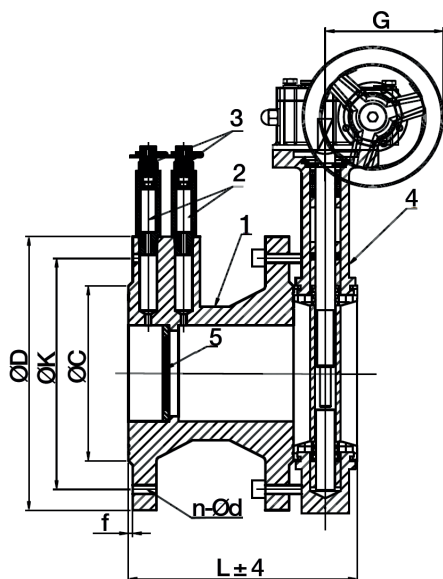


Features

- Flange Mounting PN16 Only
- Position Indicator
- Fixed orifice with $\pm 5\%$ 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 $+110^{\circ}\text{C}$



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

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

V1. Dimensions in mm

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ART 110

Ductile Iron Butterfly Valve Wafer Type



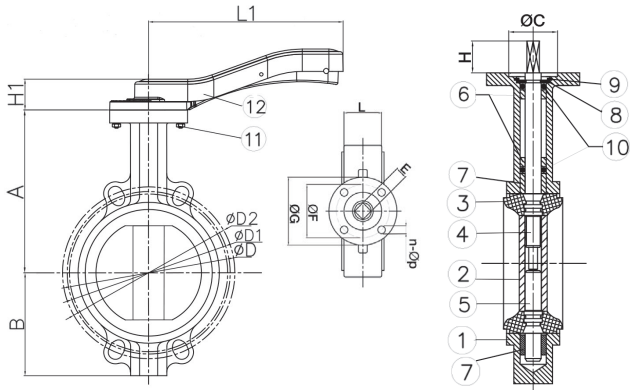
Features

- 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

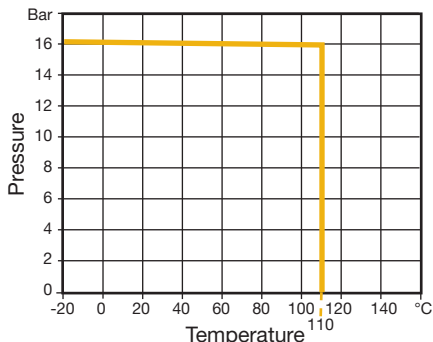


DN	50	65	80	100	125	150	200	250	300
A	142	154	161	179	193	204	250	282	326
B	60	78	87	105	120	138	174	209	242
C	56	56	56	56	56	56	71	71	71
D	125	145	160	180	210	240	295	355	410
E	11	11	11	11	14	14	17	22	22
F	70	70	70	70	70	70	102	102	102
G	90	90	90	90	90	90	125	125	125
H	19	19	19	19	19	19	25	30	30
H1	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

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

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



V1. Dimensions in mm

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