

according to NES 360 & 375

Technical Data:

Nominal pressure: see table below

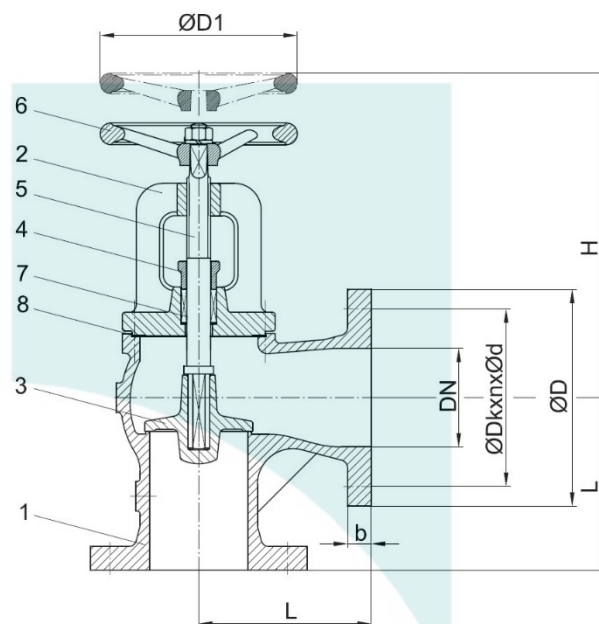
Temperature range: see table below

Face to face: NES 360

Flange dimension: acc. to BS 4504 PN 10 FF

Application: Seawater, fresh water, waste water

Options: Regulating cone, drain plug, position indication



Name of part	Material
	Bronze
Body, bonnet, disc	CuSn5ZnPb5C (Rg5)
Stem	CuSn8
Stud bolts, nuts	A2 (AISI 304)
Gaskets and gland packing	Graphite
Hand wheel	CuSn5ZnPb5C (Rg5)

DN	Permissible working pressure in bar and working temperature	
	-10°C to 120°C	120°C > 180°C
15 to 200	16	10
250	10	6
300 to 350	6	4
400 to 600	4	2

DN (mm)	b (mm)	ØD (mm)	ØDkxnxØd (mm)	L (mm)	H (mm)	ØD1 (mm)	lift (mm)	Weight (kg)
15	6	95	65x4x14	70	165	120	9	3.8
20	6	105	75x4x14	75	165	120	9	4.2
25	8	115	85x4x14	85	175	140	13	5.0
32	8	140	100x4x18	95	180	140	13	7.0
40	9	150	110x4x18	100	220	160	18	11
50	11	165	125x4x18	115	230	160	19	13
65	13	185	145x4x18	126	245	180	28	18
80	13	200	160x8x18	135	295	200	32	22
100	16	220	180x8x18	175	330	225	36	34
125	22	250	210x8x18	200	365	250	52	48
150	22	285	240x8x22	225	420	300	56	70
175	24	315	270x8x22	250	500	400	60	122
200	26	340	295x8x22	275	510	400	73	146
250	28	395	350x12x22	325	600	520	80	250
300	28	345	400x12x22	375	670	520	110	350
350	30	505	460x16x22	425	755	640	116	450
400	32	565	515x16x26	475	835	640	126	625
450	32	615	565x20x26	500	920	640	135	770
500	34	670	620x20x26	525	970	640	181	980
600	36	780	725x20x30	450/550	1200	640	200	1200

Eccentric type; acc. to NES 360 & 375
with hand lever

Technical Data:

Nominal pressure: 16 bar

Temperature range: max. -10°C to 130°C

Flange dimension: acc. to BS 4504 PN 10 FF

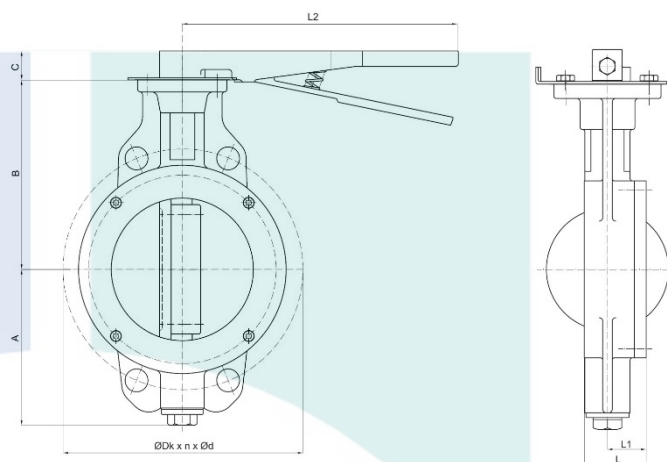
Lenght face-to-face: acc. NES 360

Application: Seawater, fresh water, lub oil and fuel

Features:

- Replacable seat ring
- Anti static device
- Top flange acc. to ISO 5211

Options: Other materials or flange connection



More details see page 847-51-AB or 847-51-GM

DN	L	L1	ØDk x n x Ød	A	B	C	L2	Weight in kg
50	43	23.5	125 x 4 x 18	90	115	58	232	5.8
65	46	24	145 x 4 x 18	92	120	58	232	6.4
80	64	23.5	160 x 8 x 18	103	125	58	232	7
100	64	32.5	180 x 8 x 18	113	150	58	232	9
125	70	34.5	210 x 8 x 18	145	155	69	329	9.8
150	76	32.5	240 x 8 x 22	150	190	69	329	12.5

Eccentric type; acc. to NES 360 & 375
with gear box

Technical Data:

Nominal pressure: 16 bar

Temperature range: max. -10°C to 130°C

Flange dimension: acc. to BS 4504 PN 10 FF

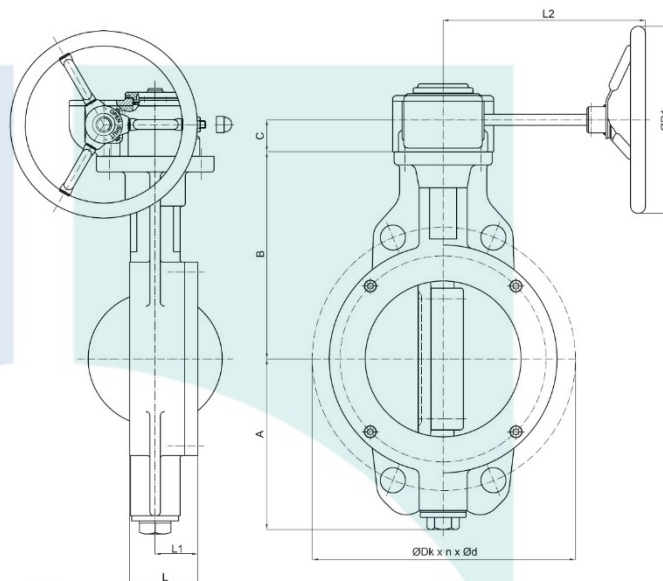
Length face-to-face: acc. NES 360

Application: Seawater, fresh water, lub oil and fuel

Features:

- Replacable seat ring
- Anti static device
- Top flange acc. to ISO 5211

Options: Other materials or flange connection



More details see page 847-51-AB or 847-51-GM

DN	L	L1	ØDk x n x Ød	A	B	C	ØD1	L2	Weight in kg
50	43	23.5	125 x 4 x 18	90	115	28.5	150	145	7
65	46	24	145 x 4 x 18	92	120	28.5	150	145	7.5
80	64	23.5	160 x 8 x 18	103	125	28.5	150	145	8
100	64	32.5	180 x 8 x 18	113	150	28.5	150	145	10
125	70	34.5	210 x 8 x 18	145	155	28.5	150	145	11
150	76	32.5	240 x 8 x 22	150	190	28.5	150	145	13.5
200	89	37	295 x 8 x 22	189	215	34	200	221	21
250	114	39	350 x 12 x 22	218	250	42.5	250	271	32.5
300	114	43	400 x 12 x 22	258	290	42.5	250	271	54
350	127	47.5	460 x 16 x 22	305	320	42.5	250	278	66
400	140	70	515 x 16 x 26	326	345	45	300	328	113
450	152	75	565 x 20 x 26	360	385	45	500	328	129
500	152	64	620 x 20 x 26	410	418	50	500	340	180
600	154	73	725 x 30 x 30	480	488	54.5	500	408	254

Wafer type butterfly valve

847-51-AB

Eccentric type; acc. to NES 360 & 375

Technical Data:

Nominal pressure: 16 bar

Temperature range: max. -10°C to 130°C

Flange dimension: acc. to BS 4504 PN 10 FF

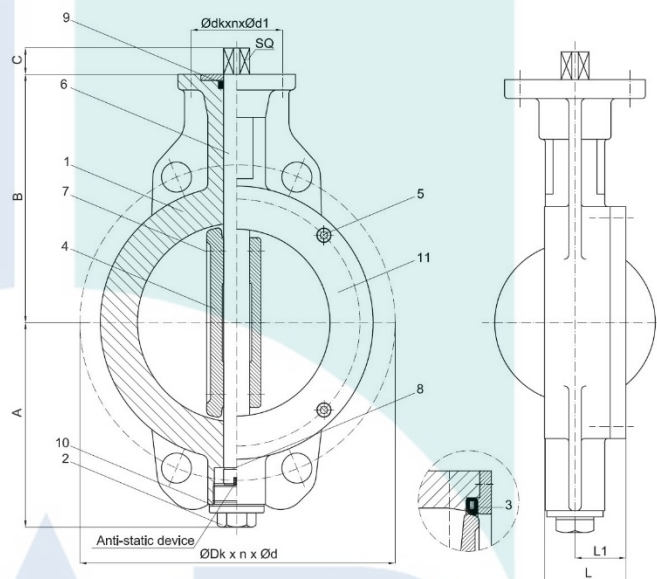
Lenght face-to-face: acc. NES 360

Application: Seawater, fresh water, lub oil and fuel

Features:

- Replacable seat ring
- Anti static device
- Top flange acc. to ISO 5211

Options: Other materials or flange connection



Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuAl10Ni	8	Collar ring	CuSn8
2	Plug	CuAl10Ni5Fe4	9	Groove ring	NBR
3	Seat ring	Viton or HNBR	10	O-ring	NBR
4	Disc	G-CuAl10Ni	11	Screw	A4-70
5	Retaining ring	CuAl10Ni5Fe4	12		
6	Shaft	CuAl10Ni5Fe4	13		
7	Tapered pin	CuAl10Ni5Fe4	14		

DN	L	L1	ØDkxnxd	Ødkxnxd1	A	B	C	SQ	Weight in kg
50	43	23.5	125 x 4 x 18	70 x 4 x 9	90	115	17	14	4.3
65	46	24	145 x 4 x 18	70 x 4 x 9	92	120	17	14	4.9
80	64	23.5	160 x 8 x 18	70 x 4 x 9	103	125	17	14	5.5
100	64	32.5	180 x 8 x 18	70 x 4 x 9	113	150	17	14	7.5
125	70	34.5	210 x 8 x 18	70 x 4 x 9	145	155	20	17	8.3
150	76	32.5	240 x 8 x 22	70 x 4 x 9	150	190	20	17	11
200	89	37	295 x 8 x 22	102 x 4 x 11	189	215	22	19	16.5
250	114	39	350 x 12 x 22	102 x 4 x 11	218	250	25	22	24
300	114	43	400 x 12 x 22	125 x 4 x 13	258	290	30	27	45.5
350	127	47.5	460 x 16 x 22	140 x 4 x 18	305	320	30	27	57
400	140	70	515 x 16 x 26	140 x 4 x 18	326	345	39	36	97
450	152	75	565 x 20 x 26	165 x 4 x 22	360	385	39	36	112
500	152	64	620 x 20 x 26	165 x 4 x 22	410	418	49	46	162
600	154	73	725 x 30 x 30	254 x 8 x 18	480	488	58	55	197

Eccentric type; acc. to NES 360 & 375

Technical Data:

Nominal pressure: 16 bar

Temperature range: max. -10°C to 130°C

Flange dimension: acc. to BS 4504 PN 10 FF

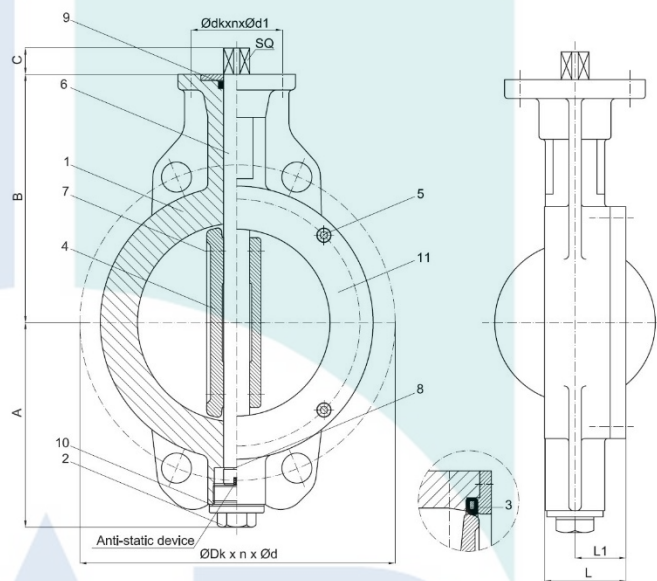
Lenght face-to-face: acc. NES 360

Application: Seawater, fresh water, lub oil and fuel

Features:

- Replacable seat ring
- Anti static device
- Top flange acc. to ISO 5211

Options: Other materials or flange connection



Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuSn5ZnPbi	8	Collar ring	CuSn8
2	Plug	CuSn8	9	Groove ring	NBR
3	Seat ring	Viton or HNBR	10	O-ring	NBR
4	Disc	G-CuAl10Ni	11	Screw	A4-70
5	Retaining ring	CuAl10Ni5Fe4	12		
6	Shaft	CuSn8	13		
7	Tapered pin	CuAl10Ni5Fe4	14		

DN	L	L1	ØDkxn x Ød	Ødkxn x Ød1	A	B	C	SQ	Weight in kg
50	43	23.5	125 x 4 x 18	70 x 4 x 9	90	115	17	14	4.3
65	46	24	145 x 4 x 18	70 x 4 x 9	92	120	17	14	4.9
80	64	23.5	160 x 8 x 18	70 x 4 x 9	103	125	17	14	5.5
100	64	32.5	180 x 8 x 18	70 x 4 x 9	113	150	17	14	7.5
125	70	34.5	210 x 8 x 18	70 x 4 x 9	145	155	20	17	8.3
150	76	32.5	240 x 8 x 22	70 x 4 x 9	150	190	20	17	11
200	89	37	295 x 8 x 22	102 x 4 x 11	189	215	22	19	16.5
250	114	39	350 x 12 x 22	102 x 4 x 11	218	250	25	22	24
300	114	43	400 x 12 x 22	125 x 4 x 13	258	290	30	27	45.5
350	127	47.5	460 x 16 x 22	140 x 4 x 18	305	320	30	27	57
400	140	70	515 x 16 x 26	140 x 4 x 18	326	345	39	36	97
450	152	75	565 x 20 x 26	165 x 4 x 22	360	385	39	36	112
500	152	64	620 x 20 x 26	165 x 4 x 22	410	418	49	46	162
600	154	73	725 x 30 x 30	254 x 8 x 18	480	488	58	55	197

Eccentric type; acc. to NES 360 & 375

with hand lever

Technical Data:

Nominal pressure: 16 bar

Temperature range: max. -10°C to 130°C

Flange dimension: acc. to BS 4504 PN 10 FF

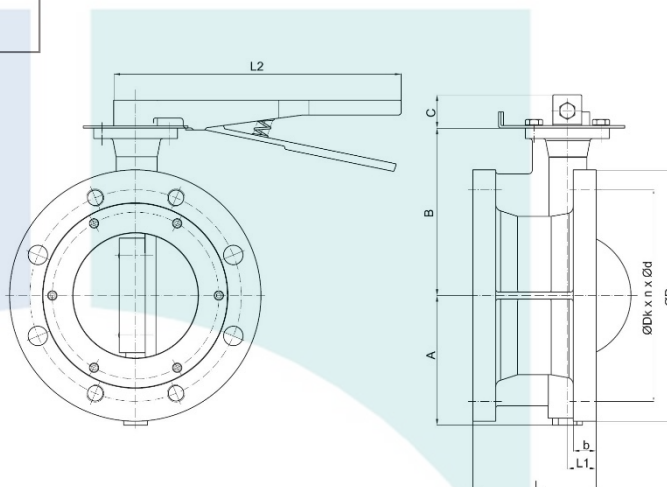
Lenght face-to-face: acc. NES 360

Application: Seawater, fresh water, lub oil and fuel

Features:

- Replacable seat ring
- Anti static device
- Top flange acc. to ISO 5211

Options: Other materials or flange connection



More details see page 847-52-AB or 847-52-GM

DN	L	b	L1	ØD	ØDk x n x Ød	A	B	C	L2	Weight in kg
50	108	11	23.5	165	125 x 4 x 18	90	115	58	267	14.5
65	112	13	24	185	145 x 4 x 18	92	120	58	267	15.5
80	114	13	23.5	200	160 x 8 x 18	103	125	58	267	16.5
100	127	16	32.5	220	180 x 8 x 18	113	150	58	267	18
125	140	22	34.5	250	210 x 8 x 18	145	155	69	267	23.5
150	140	22	32.5	285	240 x 8 x 22	150	190	69	267	30.5

Eccentric type; acc. to NES 360 & 375
with gear box

Technical Data:

Nominal pressure: 16 bar

Temperature range: max. -10°C to 130°C

Flange dimension: acc. to BS 4504 PN 10 FF

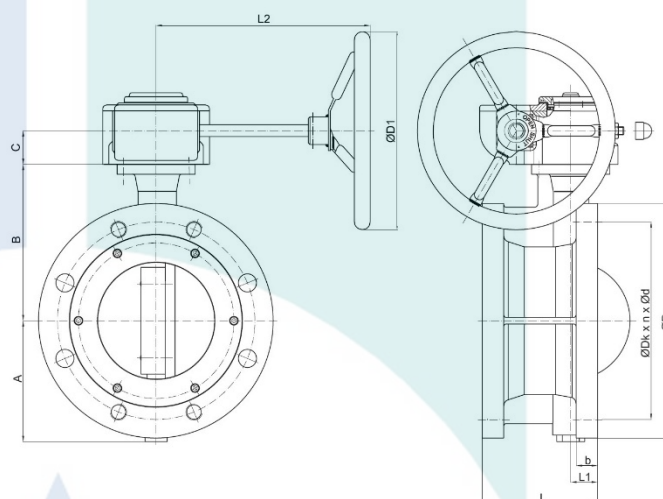
Length face-to-face: acc. NES 360

Application: Seawater, fresh water, lub oil and fuel

Features:

- Replacable seat ring
- Anti static device
- Top flange acc. to ISO 5211

Options: Other materials or flange connection



More details see page 847-52-AB or 847-52-GM

DN	L	b	L1	ØD	ØDk x n x Ød	ØD1	A	B	C	L2	Weight in kg
50	108	11	23.5	165	125 x 4 x 18	150	90	115	28.5	145	17
65	112	13	24	185	145 x 4 x 18	150	92	120	28.5	145	18
80	114	13	23.5	200	160 x 8 x 18	150	103	125	28.5	145	19
100	127	16	32.5	220	180 x 8 x 18	150	113	150	28.5	145	20
125	140	22	34.5	250	210 x 8 x 18	150	145	155	28.5	145	25
150	140	22	32.5	285	240 x 8 x 22	150	150	190	28.5	145	32.5
200	152	26	37	340	295 x 8 x 22	200	189	215	34	221	52
250	165	28	39	395	350 x 12 x 22	250	218	250	42.5	271	78
300	178	28	43	445	400 x 12 x 22	250	258	290	42.5	271	99
350	190	30	47.5	505	460 x 16 x 22	250	305	320	42.5	278	138
400	216	32	70	565	515 x 16 x 26	300	326	345	45	328	186
450	222	32	75	615	565 x 20 x 26	500	360	385	45	328	225
500	229	34	64	670	620 x 20 x 26	500	410	418	50	340	280
600	267	36	73	780	725 x 30 x 30	500	480	488	54.5	408	366

Flanged type butterfly valve

847-52-AB

Eccentric type; acc. to NES 360 & 375

Technical Data:

Nominal pressure: 16 bar

Temperature range: max. -10°C to 130°C

Flange dimension: acc. to BS 4504 PN 10 FF

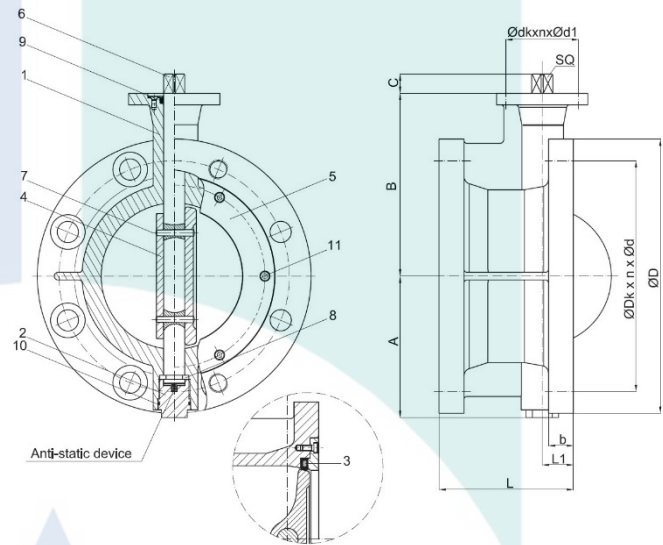
Lenght face-to-face: acc. NES 360

Application: Seawater, fresh water, lub oil and fuel

Features:

- Replacable seat ring
- Anti static device
- Top flange acc. to ISO 5211

Options: Other materials or flange connection



Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuAl10Ni	8	Collar ring	CuSn8
2	Plug	CuAl10Ni5Fe4	9	Groove ring	NBR
3	Seat ring	Viton or HNBR	10	O-ring	NBR
4	Disc	G-CuAl10Ni	11	Screw	A4-70
5	Retaining ring	CuAl10Ni5Fe4	12		
6	Shaft	CuAl10Ni5Fe4	13		
7	Tapered pin	CuAl10Ni5Fe4	14		

DN	L	b	L1	ØD	ØDk x n x Ød	Ødk x n x Ød1	A	B	C	SQ	Weight in kg
50	108	11	23.5	165	125 x 4 x 18	70 x 4 x 9	90	115	17	14	13
65	112	13	24	185	145 x 4 x 18	70 x 4 x 9	92	120	17	14	14
80	114	13	23.5	200	160 x 8 x 18	70 x 4 x 9	103	125	17	14	15
100	127	16	32.5	220	180 x 8 x 18	70 x 4 x 9	113	150	17	14	16.5
125	140	22	34.5	250	210 x 8 x 18	70 x 4 x 9	145	155	20	17	22
150	140	22	32.5	285	240 x 8 x 22	70 x 4 x 9	150	190	20	17	29
200	152	26	37	340	295 x 8 x 22	102 x 4 x 11	189	215	22	19	45.5
250	165	28	39	395	350 x 12 x 22	102 x 4 x 11	218	250	25	22	65
300	178	28	43	445	400 x 12 x 22	125 x 4 x 13	258	290	30	27	88
350	190	30	47.5	505	460 x 16 x 22	140 x 4 x 18	305	320	30	27	130
400	216	32	70	565	515 x 16 x 26	140 x 4 x 18	326	345	39	36	168
450	222	32	75	615	565 x 20 x 26	165 x 4 x 22	360	385	39	36	206
500	229	34	64	670	620 x 20 x 26	165 x 4 x 22	410	418	49	46	245
600	267	36	73	780	725 x 30 x 30	254 x 8 x 18	480	488	58	55	318

Flanged type butterfly valve

847-52-BZ

Eccentric type; according to NES standard

Technical Data:

Nominal pressure: 16 bar

Temperature range: max. -10°C to 130°C

Flange dimension: acc. to BS 4503 PN 10 FF

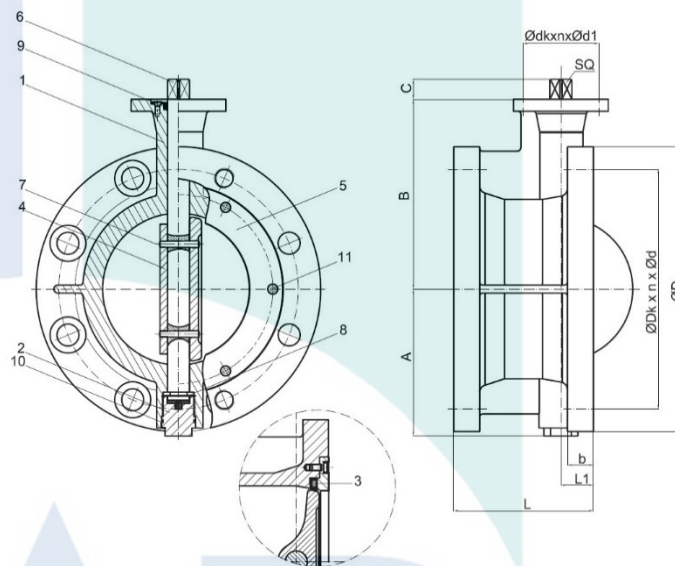
Lenght face-to-face: acc. NES XXX

Application: Seawater, fresh water, lub oil and fuel

Features:

- Replacable seat ring
- Anti static device
- Top flange acc. to ISO 5211

Options: Other materials or flange connection



Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuAl10Ni	8	Collar ring	CuSn8
2	Plug	CuAl10Ni5Fe4	9	Groove ring	NBR
3	Seat ring	Viton or HNBR	10	O-ring	NBR
4	Disc	G-CuAl10Ni	11	Screw	A4-70
5	Retaining ring	CuAl10Ni5Fe4	12		
6	Shaft	CuAl10Ni5Fe4	13		
7	Tapered pin	CuAl10Ni5Fe4	14		

DN	L	b	L1	ØD	ØDk x n x Ød	Ødk x n x Ød1	A	B	C	SQ	Weight in kg
50	108	11		165	125 x 4 x 18	70 x 4 x 9	90	115	17	14	10
65	112	13		185	145 x 4 x 18	70 x 4 x 9	92	120	17	14	13
80	114	13		200	160 x 8 x 18	70 x 4 x 9	103	125	17	14	15
100	127	16		220	180 x 8 x 18	70 x 4 x 9	113	150	17	14	16
125	140	22		250	210 x 8 x 18	70 x 4 x 9	145	155	20	17	22
150	140	22		285	240 x 8 x 22	70 x 4 x 9	150	190	20	17	29
200	152	26		340	295 x 8 x 22	102 x 4 x 11	189	215	22	19	39
250	165	28		395	350 x 12 x 22	102 x 4 x 11	218	250	25	22	62
300	178	28		445	400 x 12 x 22	125 x 4 x 13	258	290	30	27	82
350	190	30		505	460 x 16 x 22	140 x 4 x 18	305	320	30	27	124
400	216	32		565	515 x 16 x 26	140 x 4 x 18	326	345	39	36	169
450	222	32		615	565 x 20 x 26	165 x 4 x 22	360	385	39	36	208
500	229	34		670	620 x 20 x 26	165 x 4 x 22	410	418	49	46	246
600	267	36		780	725 x 30 x 30	254 x 8 x 18	480	488	58	55	320

Flanged type butterfly valve

847-52-BZ-13

Eccentric type; according to NES standard

With electric actuator

Technical Data:

Nominal pressure: 16 bar

Temperature range: max. -10°C to 130°C

Flange dimension: acc. to BS 4503 PN 10 FF

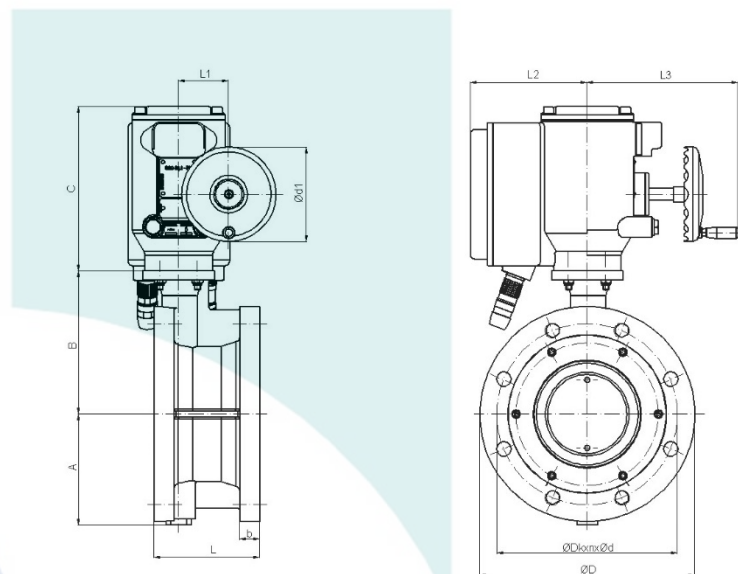
Lenght face-to-face: acc. NES XXX

Application: Seawater, fresh water, lub oil and fuel

Features:

- Replacable seat ring
- Anti static device
- Top flange acc. to ISO 5211

Options: Other materials or flange connection



Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuAl10Ni	8	Collar ring	CuSn8
2	Plug	CuAl10Ni5Fe4	9	Groove ring	NBR
3	Seat ring	Viton or HNBR	10	O-ring	NBR
4	Disc	G-CuAl10Ni	11	Screw	A4-70
5	Retaining ring	CuAl10Ni5Fe4	12		
6	Shaft	CuAl10Ni5Fe4	13		
7	Tapered pin	CuAl10Ni5Fe4	14		

DN	L	b	L1	ØD	ØDkxnxØd	ØdkxnxØd1	A	B	C	SQ	Weight in kg
50	108	11		165	125 x 4 x 18	70 x 4 x 9	90	115	17	14	10
65	112	13		185	145 x 4 x 18	70 x 4 x 9	92	120	17	14	13
80	114	13		200	160 x 8 x 18	70 x 4 x 9	103	125	17	14	15
100	127	16		220	180 x 8 x 18	70 x 4 x 9	113	150	17	14	16
125	140	22		250	210 x 8 x 18	70 x 4 x 9	145	155	20	17	22
150	140	22		285	240 x 8 x 22	70 x 4 x 9	150	190	20	17	29
200	152	26		340	295 x 8 x 22	102 x 4 x 11	189	215	22	19	39
250	165	28		395	350 x 12 x 22	102 x 4 x 11	218	250	25	22	62
300	178	28		445	400 x 12 x 22	125 x 4 x 13	258	290	30	27	82
350	190	30		505	460 x 16 x 22	140 x 4 x 18	305	320	30	27	124
400	216	32		565	515 x 16 x 26	140 x 4 x 18	326	345	39	36	169

Flanged type butterfly valve

847-52-GM

Eccentric type; acc. to NES 360 & 375

Technical Data:

Nominal pressure: 16 bar

Temperature range: max. -10°C to 130°C

Flange dimension: acc. to BS 4504 PN 10 FF

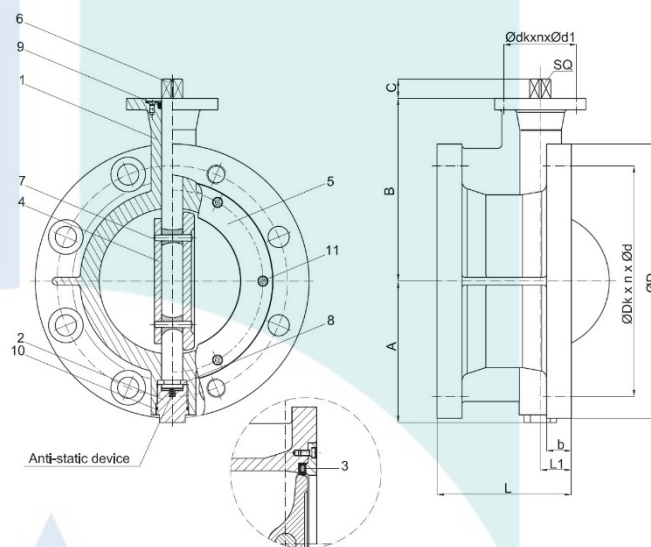
Lenght face-to-face: acc. NES 360

Application: Seawater, fresh water, lub oil and fuel

Features:

- Replacable seat ring
- Anti static device
- Top flange acc. to ISO 5211

Options: Other materials or flange connection



Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuSn5ZnPb	8	Collar ring	CuSn8
2	Plug	CuSn8	9	Groove ring	NBR
3	Seat ring	Viton or HNBR	10	O-ring	NBR
4	Disc	G-CuAl10Ni	11	Screw	A4-70
5	Retaining ring	CuAl10Ni5Fe4	12		
6	Shaft	CuSn8	13		
7	Tapered pin	CuAl10Ni5Fe4	14		

DN	L	b	L1	ØD	ØDk x n x Ød	Ødk x n x Ød1	A	B	C	SQ	Weight in kg
50	108	11	23.5	165	125 x 4 x 18	70 x 4 x 9	90	115	17	14	13
65	112	13	24	185	145 x 4 x 18	70 x 4 x 9	92	120	17	14	14
80	114	13	23.5	200	160 x 8 x 18	70 x 4 x 9	103	125	17	14	15
100	127	16	32.5	220	180 x 8 x 18	70 x 4 x 9	113	150	17	14	16.5
125	140	22	34.5	250	210 x 8 x 18	70 x 4 x 9	145	155	20	17	22
150	140	22	32.5	285	240 x 8 x 22	70 x 4 x 9	150	190	20	17	29
200	152	26	37	340	295 x 8 x 22	102 x 4 x 11	189	215	22	19	45.5
250	165	28	39	395	350 x 12 x 22	102 x 4 x 11	218	250	25	22	65
300	178	28	43	445	400 x 12 x 22	125 x 4 x 13	258	290	30	27	88
350	190	30	47.5	505	460 x 16 x 22	140 x 4 x 18	305	320	30	27	130
400	216	32	70	565	515 x 16 x 26	140 x 4 x 18	326	345	39	36	168
450	222	32	75	615	565 x 20 x 26	165 x 4 x 22	360	385	39	36	206
500	229	34	64	670	620 x 20 x 26	165 x 4 x 22	410	418	49	46	245
600	267	36	73	780	725 x 30 x 30	254 x 8 x 18	480	488	58	55	318