

according to VG 85033 Shape B

metal-to-metal seat

Technical Data:

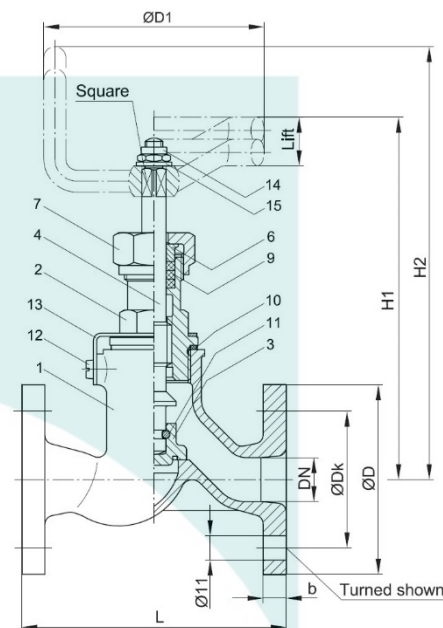
Nominal pressure: 25 bar

Temperature range: max. 120°C

Flange dimension: acc. to VG 85011 part 3

Application: Seawater, fresh water, lub oil and fuel

Options: Flange drilling for hull mounting acc. to
VG 85011 part 6 are available on request,
Hand wheel or crank handle for operation



Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuSn10	9	Packing	PTFE/Graphite
2	Bonnet	CuSn6	10	Gasket	Copper
3	Cone	CuSn12	11	Wire	CuSn6
4	Stem	CuSn6	12	Cylinder screw	A4
5			13	Locking plate	A4
6	Gland	CuSn6	14	Hexagon nut	A4
7	Union nut	CuZn35Ni2	15	Washer	A4

DN	L	b	ØD	ØDk	Number of holes	H1	H2	ØD1	Square	lift	Weight in kg
20	120	10	86	62	4	163	195	100	9	10	2.1
25	130	10	92	68	4	163	195	100	9	10	2.3
32	140	10	100	76	6	190	232	125	11	13	3.1

Straight type stop valve

870-01-B-BZ

according to VG 85033 Shape B

metal-to-metal seat

Technical Data:

Nominal pressure: DN 40 to DN 150 : 10 bar

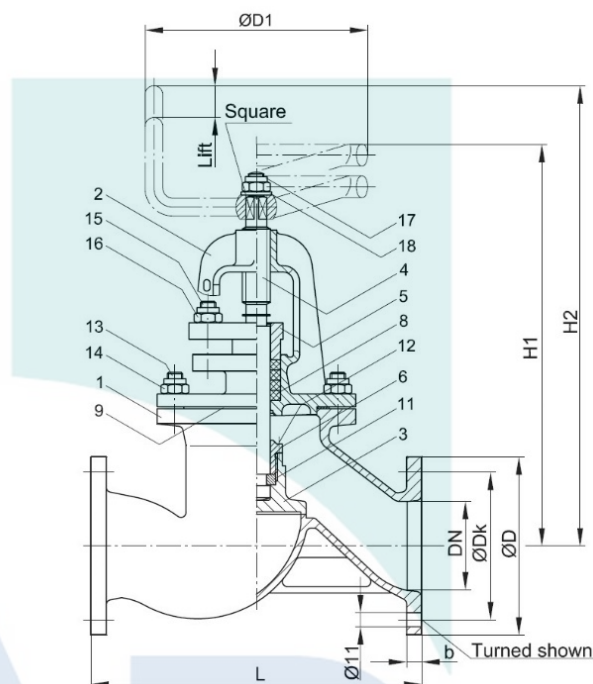
DN 175 to DN 300 : 4 bar

Temperature range: max. 120°C

Flange dimension: acc. to VG 85011 part 3

Application: Seawater, fresh water, lub oil and fuel

Options: Flange drilling for hull mounting acc. to
VG 85011 part 6 are available on request,
Hand wheel or crank handle for operation



Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuSn10	9	Gasket	Klingsil C4400
2	Bonnet	G-CuSn10	11	Collar ring	CuSn6
3	Cone	G-CuSn12	12	Cylinder pin	A4
4	Stem	CuSn6	13	Stud bolt	A4
5	Gland	CuSn6	14	Hexagon nut	A4
6	Union nut	CuSn106	15	Stud bolt	A4
8	Packing	PTFE/Graphite	16	Hexagon nut	A4
			17	Hexagon nut	A4
			18	Washer	A4

DN	L	b	ØD	ØDk	Number of holes	H1	H2	ØD1	Square	lift	Weight in kg
40	180	10	108	84	6	231	274	125	11	12	5.8
50	210	10	120	96	6	246	289	125	11	16	6.6
70	260	12	140	116	8	318	362	175	14	25	10.1
80	280	12	150	126	8	330	374	175	14	28	12.5
100	330	12	172	148	10	365	409	175	14	35	16.9
125	390	14	200	176	10	418	466	200	17	44	23.5
150	450	14	226	202	12	448	496	200	17	53	30.1
175	530	14	264	240	14	516	565	250	22	64	43.1
200	580	14	288	264	16	546	595	250	22	73	50.0
250	700	14	340	316	20	633	684	300	24	91	81.2
300	830	16	393	368	24	743	800	392	32	108	123.0

Angle type stop valve

870-02-B-BZ

according to VG 85034 Shape B
metal-to-metal seat

Technical Data:

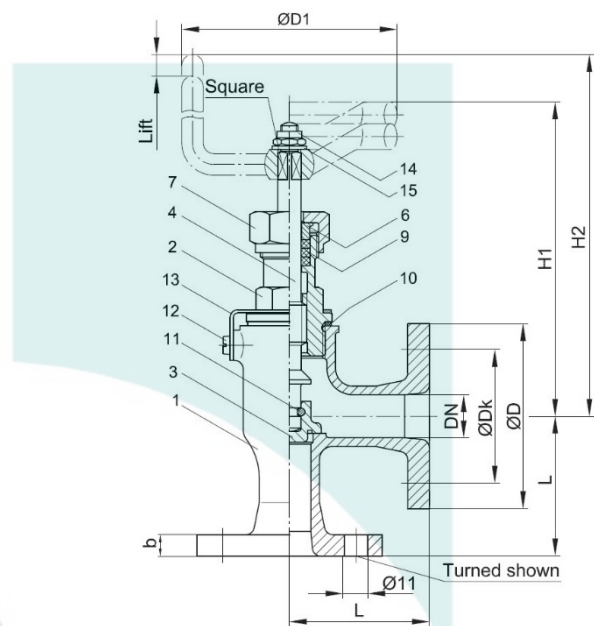
Nominal pressure: 25 bar

Temperature range: max. 120°C

Flange dimension: acc. to VG 85011 part 3

Application: Seawater, fresh water, lub oil and fuel

Options: Flange drilling for hull mounting acc. to
VG 85011 part 6 are available on request,
Hand wheel or crank handle for operation



Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuSn10	9	Packing	PTFE/Graphite
2	Bonnet	CuSn6	10	Gasket	Copper
3	Cone	CuSn12	11	Wire	CuSn6
4	Stem	CuSn6	12	Cylinder screw	A4
5			13	Locking plate	A4
6	Gland	CuSn6	14	Hexagon nut	A4
7	Union nut	CuZn35Ni2	15	Washer	A4

DN	L	b	ØD	ØDk	Number of holes	H1	H2	ØD1	Square	lift	Weight in kg
20	65	10	86	62	4	146	178	100	9	10	2.1
25	70	10	92	68	4	144	176	100	9	10	2.3
32	75	10	100	76	6	165	207	125	11	13	2.8

according to VG 85034 Shape B
metal-to-metal seat

Technical Data:

Nominal pressure: DN 40 – 150 : 10 bar

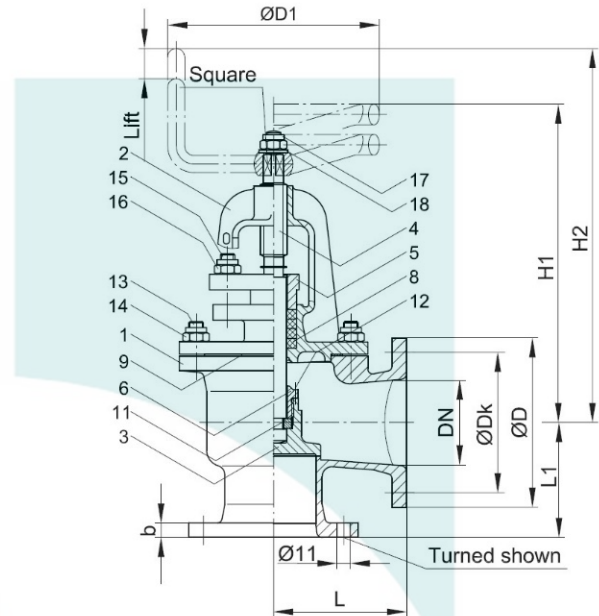
DN 175 – 300 : 4 bar

Temperature range: max. 120°C

Flange dimension: acc. to VG 85011 part 3

Application: Seawater, fresh water, lub oil and fuel

Options: Flange drilling for hull mounting acc. to
VG 85011 part 6 are available on request,
Hand wheel or crank handle for operation



Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuSn10	9	Gasket	Klingsil C4400
2	Bonnet	G-CuSn10	11	Collar ring	CuSn6
3	Cone	CuSn12	12	Cylinder pin	A4
4	Stem	CuSn6	13	Stud bolt	A4
5	Gland	CuSn6	14	Hexagon nut	A4
6	Union nut	CuSn6	15	Stud bolt	A4
8	Packing	PTFE/Graphite	16	Hexagon nut	A4
			17	Hexagon nut	A4
			18	Washer	A4

DN	L	L1	b	ØD	ØDk	Number of holes	H1	H2	ØD1	Square	lift	Weight in kg
40	80	80	10	108	84	6	199	242	125	11	12	5.2
50	85	85	10	120	96	6	209	252	125	11	16	5.9
70	110	95	12	140	116	8	265	309	175	14	25	8.6
80	115	100	12	150	126	8	272	316	175	14	28	10.7
100	130	115	12	172	148	10	298	342	175	14	35	14.0
125	145	130	14	200	176	10	340	388	200	17	44	18.8
150	160	140	14	226	202	12	363	411	200	17	53	22.6
175	180	160	14	264	240	14	418	467	250	22	64	31.7
200	200	175	14	288	264	16	440	489	250	22	73	36.9
250	240	200	14	340	316	20	516	592	300	24	91	60.0
300	280	225	16	393	368	24	599	656	392	32	108	83.0

Flanged type diaphragm valve

871-21-BZ

according to VG 85238

with indicator

Technical Data:

Nominal pressure: DN 32 to 50: 10 bar

DN 70 to DN 100: 6 bar

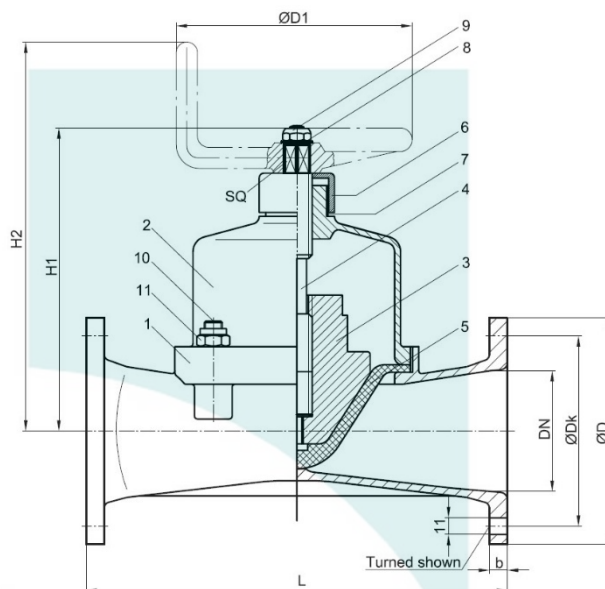
Temperature range: 0°C - +80°C

Flange dimension: acc. to VG 85011 part 3

Application: Seawater, fresh water, oil, fuel

Maintenance free, position indicator, full flow, with rising stem

Options: Different types of crank handle or hand wheel diaphragm made of EPDM,



Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuSn10	8	Washer	A4
2	Hood	G-CuSn5ZnPb	9	Hexagon nut	A4
3	Pressure piece	G-CuSn5ZnPb	10	Stud bolt	A4-70
4	Stem	CuSn8	11	Hexagon nut	A4
5	Diaphragm	NBR			
6	Indicator	PE			
7	Position marking	PE			

DN	L	b	ØD	ØDk	Number of holes	H1	H2	SQ	ØD1	Weight in kg
32	140	10	100	76	6	156	199	11	125	3.8
40	180		108	84		161	204			4.5
50	210		120	96		180	224			6.5
70	260	12	140	116	8	226	270	17	200	12.0
80	280		150	126		275	319			14.0
100	330		172	148	10	295	339	19	225	21.0

according to VG 85060
with indicator

Technical Data:

Nominal pressure: 10 bar

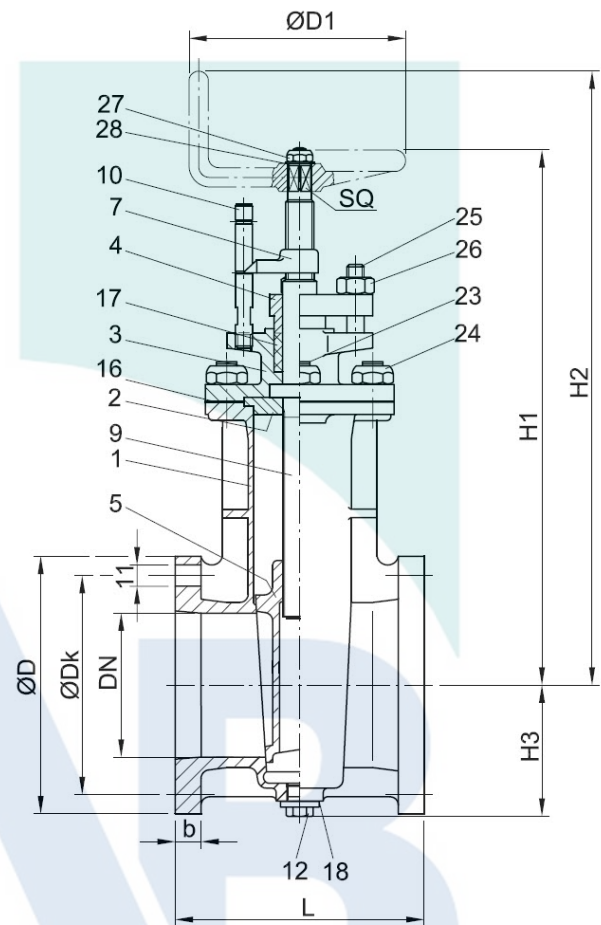
Temperature range: 0°C - +100°C

Flange dimension: acc. to VG 85011 part 3

Application: Seawater, fresh water

Options: Different types of crank handle or hand wheel

Flange options: Flange drilling for hull mounting acc. to VG 85011 part 6 are available on request



Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuSn10	16	Gasket	Klinger Sil C4400
2	Guide plate	CuSn8	17	Packing	PTFE/Graphite
3	Sealing flange	G-CuSn10	18	Gasket	Copper
4	Gland	G-CuSn10	21		
5	Wedge	G-CuSn10	22		
6	Wedge nut	G-CuSn10	23	Stud screw	A4-70
7	Indicator	G-CuSn7ZnPb	24	Hexagon nut	A4
9	Stem	CuSn8	25	Stud screw	A4-70
10	Indicator rod	CuZn40Pb2	26	Hexagon nut	A4
12	Plug	CuSn8	27	Washer	A4
15			28	Hexagon nut	A4

DN	L	b	ØD	ØDk	Number of holes	H1	H2	H3	SQ	ØD1	Weight in kg
40	120	10	108	84	6	227	260	79	4.5	100	6.6
50			120	96		245	278	84			7.4
70	140	12	140	116	8	297	340	98	11	125	10.4
80			150	126		314	357	103			12.1

according to VG 85060

with indicator

Technical Data:

Nominal pressure: DN 100 to DN 150: 10 bar

DN 175 to DN 300: 4 bar

Temperature range: 0°C - +100°C

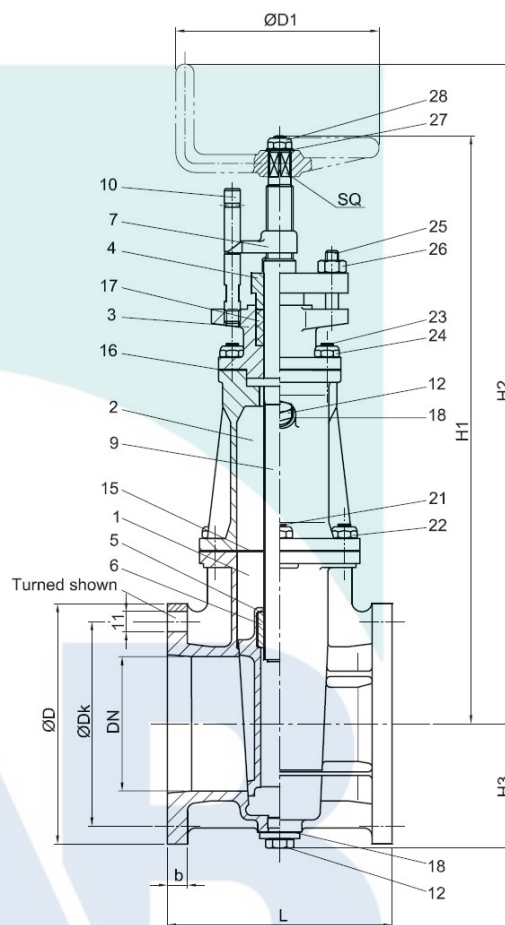
Flange dimension: acc. to VG 85011 part 3

Application: Seawater, fresh water

Options: Different types of crank handle or hand wheel

Flange options: Flange drilling for hull mounting acc. to

VG 85011 part 6 are available on request



Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuSn10	16	Gasket	Klinger Sil C4400
2	Hood	G-CuSn10	17	Packing	PTFE/Graphite
3	Sealing flange	G-CuSn10	18	Gasket	Copper
4	Gland	G-CuSn10	21	Stud screw	A4-70
5	Wedge	G-CuSn10	22	Hexagon nut	A4
6	Wedge nut	G-CuSn10	23	Stud screw	A4-70
7	Indicator	G-CuSn7ZnPb	24	Hexagon nut	A4
9	Stem	CuSn8	25	Stud screw	A4-70
10	Indicator rod	CuZn40Pb2	26	Hexagon nut	A4
12	Plug	CuSn8	27	Washer	A4
15	Gasket	Klinger Sil C4400	28	Hexagon nut	A4

DN	L	b	ØD	ØDk	Number of holes	H1	H2	H3	SQ	ØD1	Weight in kg
100	180	12	172	148	10	395	440	117	14	175	21.3
125	190	14	200	176	12	426	470	131	17	200	23.5
150	190		226	202	14	477	525	146			30.2
175	200		264	240	16	519	567	164			40.0
200	210		288	264	20	570	621	176	19	225	55.0
250	220	16	340	315	24	650	701	202			70.0
300	230		392	368		747	796	230	22	250	91.5

according to VG 85053

Technical Data:

Nominal pressure: DN 50 to DN 150: 10 bar

DN 175 to DN 300: 6 bar

Temperature range: max. 120°C

Flange dimension: acc. to VG 85011 part 3

Application: Seawater, fresh water, lub oil and fuel



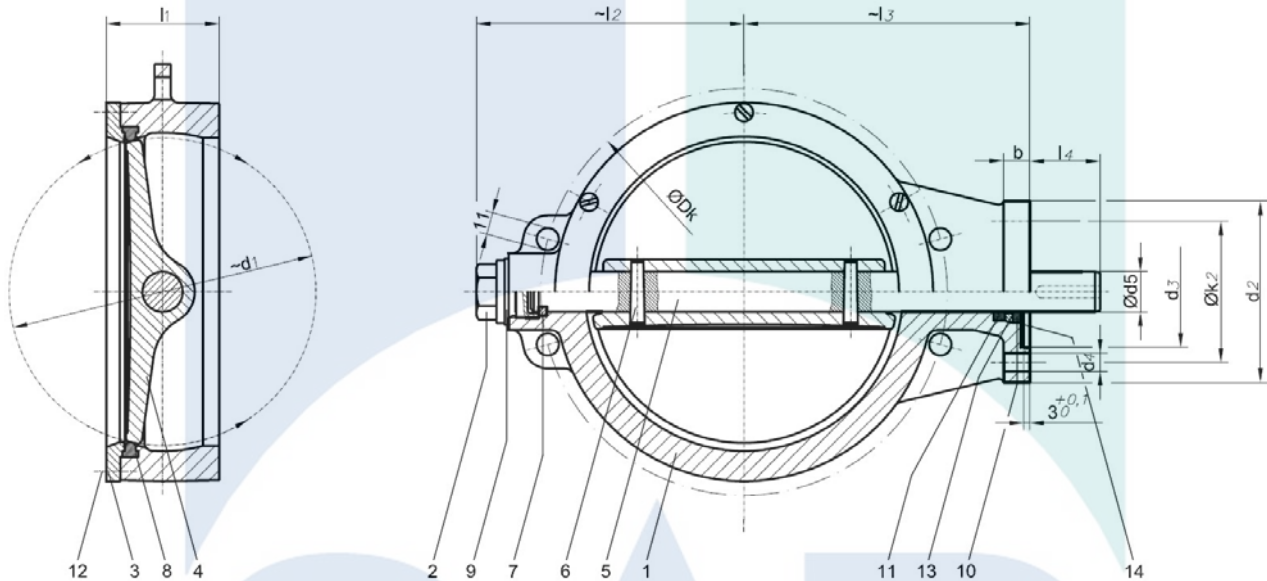
Marking in "Closed"-
Position

Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuSn10	8*)	Seating	HNBR
2	Plug	CuSn8	9*)	Gasket	Copper
3	Retaining ring	G-CuSn12	10*)	Packing	Graphite
4	Disc	G-CuAl10Ni	11*)	Groove Ring	NBR
5	Shaft	CuAl10Ni5Fe4	12*)	Counter sunk screw	A4-70
6	Tapered pin	CuAl10Ni5Fe4	13	Washer	CuZn39Pb2
7	Collar ring	CuAl10Ni5Fe4	14	Washer	CuZn39Pb2
			15*)	Counter sunk screw	A4-70

*) Included in spare part set

DN	I1	b	Ød1	ØDk	Number of holes	Ød2	Ød3	Ød4	Ød5	Øk2	I2	I3	I4	Weight in kg
50	43	13	58	96	6	90	55	9	16	70	75	85	35	3.0
70	46		75	116	8						84	96		3.8
80	46		84	126	8						90	100		4.3
100	52		104	148	10				20		107	112		5.5
125	56		127	176	10						120	125		6.9
150	56		152	202	12						135	142		8.7
175	56		184	240	14						149	162		11.8
200	60	208	264	16	125	70	11	22	102	167	176	45	15.4	
250	68	254	316	20				28		200	202		23.3	
300	78	308	368	24				30		235	230		35.0	

according to VG 85053



Technical Data:

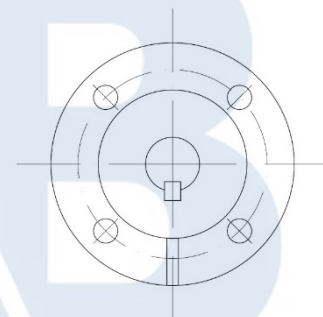
Nominal pressure: DN 50 to DN 150: 10 bar

DN 175 to DN 300: 6 bar

Temperature range: max. 120°C

Flange dimension: acc. to VG 85011 part 3

Application: Seawater, fresh water, lub oil and fuel



Marking in "Closed"-
Position

Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuSn10	8	Seatring	HNBR
2	Plug	CuSn8	9	Gasket	Copper
3	Retaining ring	G-CuSn12	10	Packing	Graphite
4	Disc	G-CuAl10Ni	11	Groove Ring	NBR
5	Shaft	CuAl10Ni5Fe4	12	Counter sunk screw	A4-70
6	Tapered pin	CuAl10Ni5Fe4	13	Washer	CuZn39Pb2
7	Collar ring	CuAl10Ni5Fe4	14	Washer	CuZn39Pb2

DN	l1	b	Ød1	ØDk	Number of holes	Ød2	Ød3	Ød4	Ød5	Øk2	l2	l3	l4	Weight in kg
50	43	13	58	96	6	90	55	9	16	70	75	85	35	3.0
70	46		75	116	8						84	96		3.8
80	46		84	126	8						90	100		4.3
100	52		104	148	10				20		107	112		5.5
125	56		127	176	10						120	125		6.9
150	56		152	202	12						135	142		8.7
175	56		184	240	14						149	162		11.8
200	60	208	264	16	125	70	11	22	102	167	176	45	15.4	
250	68	254	316	20				28		200	202		23.3	
300	78	308	368	24				30		235	230		35.0	

Wafer type butterfly valve

874-01-BZ-03

according to VG 85053

with gear box

Technical Data:

Nominal pressure: DN 50 to DN 150: 10 bar

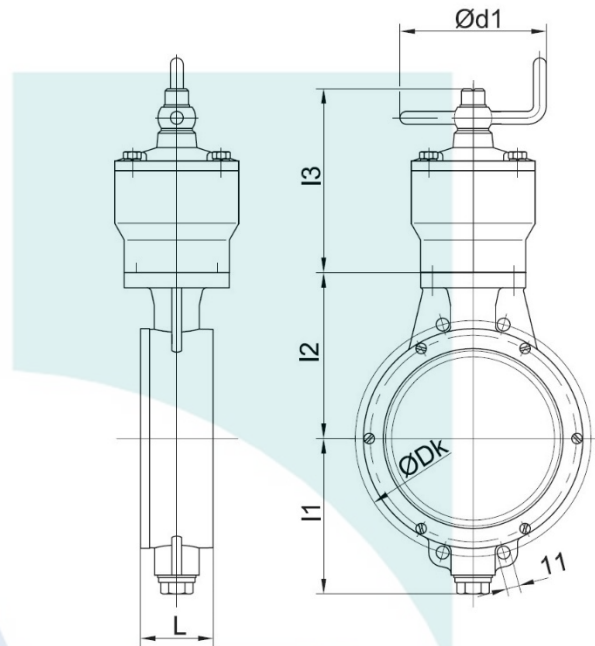
DN 175 to DN 300: 6 bar

Temperature range: max. 120°C

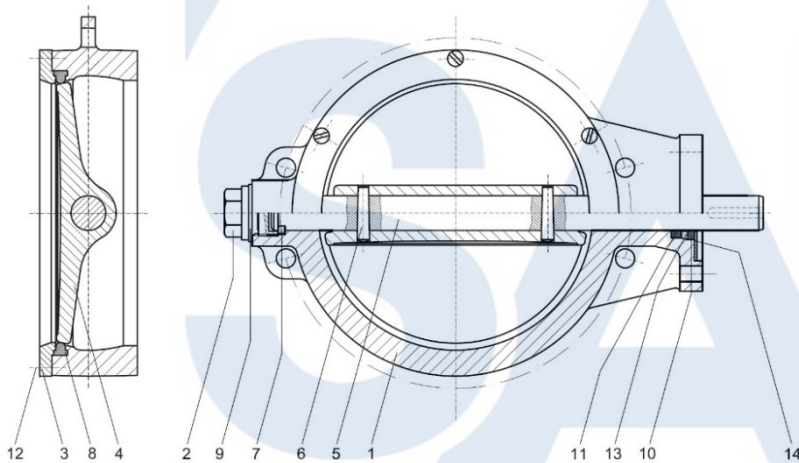
Flange dimension: acc. to VG 85011 part 3

Application: Seawater, fresh water, lub oil and fuel

Options: Gear box with position locking device. Different types of crank handle or hand wheel



More dimensions see catalogue page:
874-01-BZ



Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuSn10	8	Seating	HNBR
2	Plug	CuSn8	9	Gasket	Copper
3	Retaining ring	G-CuSn12	10	Packing	Graphite
4	Disc	G-CuAl10Ni	11	Groove Ring	NBR
5	Shaft	CuAl10Ni5Fe4	12	Counter sunk screw	A4-70
6	Tapered pin	CuAl10Ni5Fe4	13	Washer	CuZn39Pb2
7	Collar ring	CuAl10Ni5Fe4	14	Washer	CuZn39Pb2

DN	L	Gear box	Ød1	ØDK	Number of holes	I1	I2	I3	Weight in kg
50	43	GHE 05.1	125	96	6	75	85	140	5.8
70	46			116	8	84	96		6.6
80	46			126	8	90	100		7.1
100	52			148	10	107	112		8.3
125	56			176	10	120	125		9.7
150	56	GHE 07.1	125	202	12	135	142	157	13.0
175	56			240	14	149	162		16.1
200	60			264	16	167	176		19.7
250	68	GHE 10.1	150	316	20	200	202	170	30.8
300	78			368	24	235	230		40.5

Wafer type butterfly valve

874-01-BZ-13-1

according to VG 85053

with electric actuator SG

Technical Data:

Nominal pressure: DN 50 to DN 150: 10 bar

DN 175 to DN 300: 6 bar

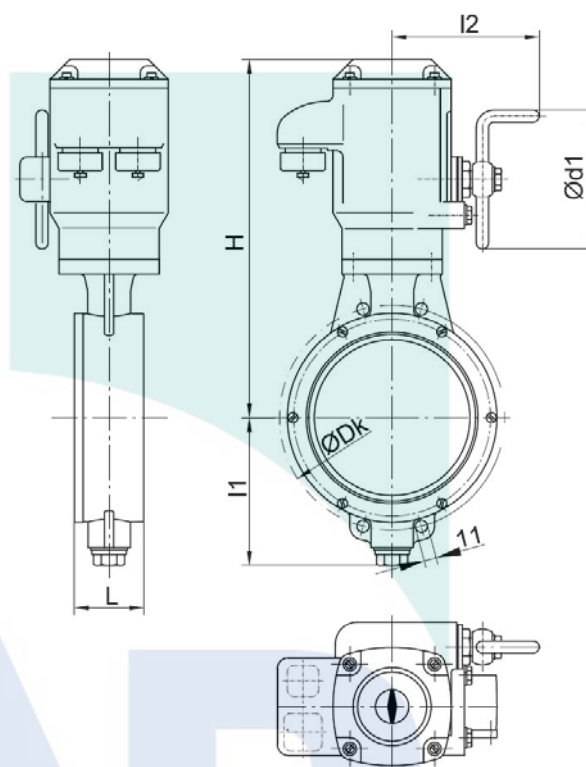
Temperature range: max. 120°C

Flange dimension: acc. to VG 85011 part 3

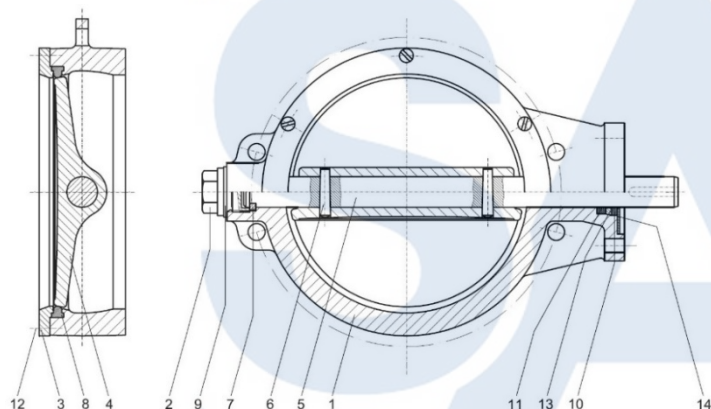
Application: Seawater, fresh water, lub oil and fuel

Features: local position indication, manual operation by hand wheel or crank, electric connection for power supply and control, torque stop, limit switches, IP 68 (72h, 8m), shock approved acc. to MIL-standard

Options: Different types of crank handle or hand wheel, control box MEC, power supply 115V or 230 V



More dimensions see catalogue page: 874-01-BZ



Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuSn10	8	Seat ring	HNBR
2	Plug	CuSn8	9	Gasket	Copper
3	Retaining ring	G-CuSn12	10	Packing	Graphite
4	Disc	G-CuAl10Ni	11	Groove Ring	NBR
5	Shaft	CuAl10Ni5Fe4	12	Counter sunk screw	A4-70
6	Tapered pin	CuAl10Ni5Fe4	13	Washer	CuZn39Pb2
7	Collar ring	CuAl10Ni5Fe4	14	Washer	CuZn39Pb2

DN	L	Actuator	Ød1	ØDk	Number of holes	I1	H	I2	Weight in kg
50	43	SG 04.2	125	96	6	75	245	146	9.8
70	46			116	8	84	256		10.6
80	46			126	8	90	260		11.1
100	52	SG 05.2		148	10	107	295	156	14.7
125	56			176	10	120	308		16.1
150	56	SG 07.2		202	12	135	357	166	24.7
175	56			240	14	149	377		17.8
200	60			264	16	167	391		31.4
250	68	SG 10.2	150	316	20	200	455	192	43.0
300	78			368	24	235	483		55.0

according to VG 85053
with electric actuator SGM

Technical Data:

Nominal pressure: DN 50 to DN 150: 10 bar

DN 175 to DN 300: 6 bar

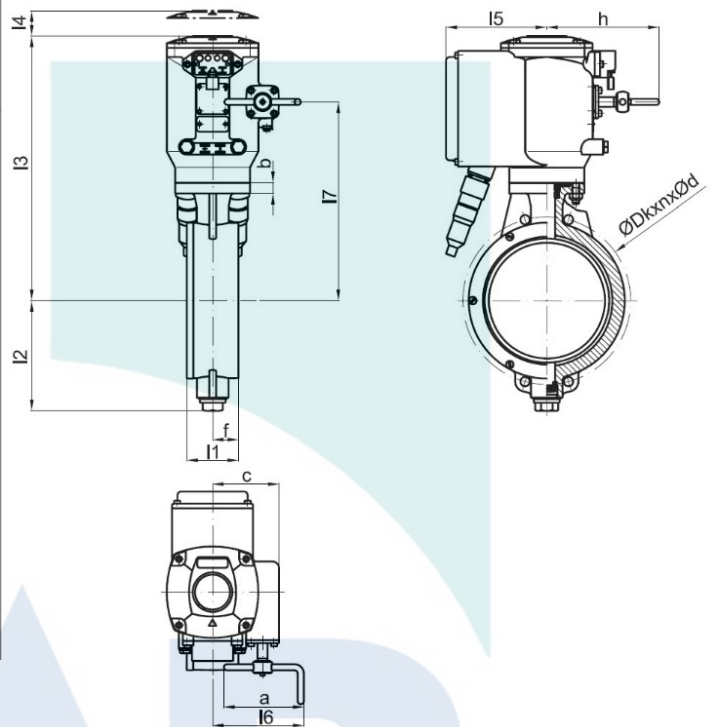
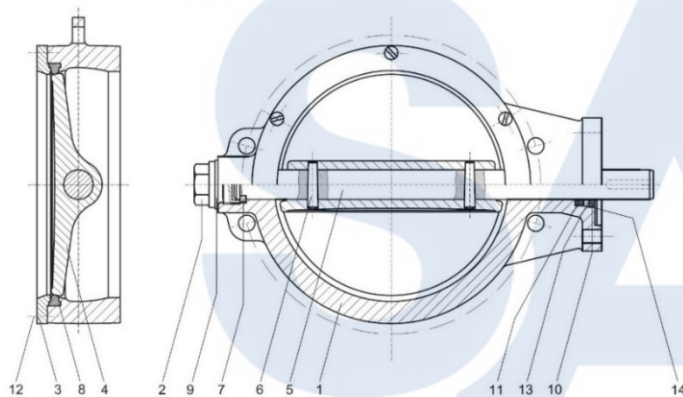
Temperature range: max. 120°C

Flange dimension: acc. to VG 85011 part 3

Application: Seawater, fresh water, lub oil and fuel

Features: local position indication, manual operation by hand wheel or crank, electric connection for power supply and control, torque stop, limit switches, IP 68 (72h, 8m), shock approved acc. to MIL-standard

Options: Different types of crank handle or hand wheel, , power supply 115V or 230 V



Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuSn10	8	Seat ring	HNBR
2	Plug	CuSn8	9	Gasket	Copper
3	Retaining ring	G-CuSn12	10	Packing	Graphite
4	Disc	G-CuAl10Ni	11	Groove Ring	NBR
5	Shaft	CuAl10Ni5Fe4	12	Counter sunk screw	A4-70
6	Tapered pin	CuAl10Ni5Fe4	13	Washer	CuZn39Pb2
7	Collar ring	CuAl10Ni5Fe4	14	Washer	CuZn39Pb2

DN	Act.	l1	l2	l3	l4	l5	l6	l7	a	b	c	h	ØDkxnxØd	f	Weight
50	SGM 04.2	43	75	274	50	144	11 6	165	125	13	76.5	181	96 x 6 x 11	23	14
70		46	84	285				176					116 x 8 x 11	23	14.8
80		46	90	289				180					126 x 8 x 11	23	15.3
100	SGM 05.2	52	107	301	60	154	12 9	192					148 x 10 x 11	26	16.5
125		56	120	314				205					176 x 10 x 11	28	17.9
150		56	135	358				241					202 x 12 x 11	28	25.7
175	SGM 07.2	56	149	378	70	169	15 9	261	150	16	94.5	193	240 x 14 x 11	28	28.8
200		60	167	414				297					264 x 16 x 11	30	34.4
250		68	200	440				323					316 x 20 x 11	34	51.3
300	SGM 10.1	78	235	474				341					368 x 24 x 11	39	61

Wafer type butterfly valve

874-01-BZ-13-3

according to VG 85053
with electric actuator SGC

Technical Data:

Nominal pressure: DN 50 to DN 150: 10 bar

DN 175 to DN 300: 6 bar

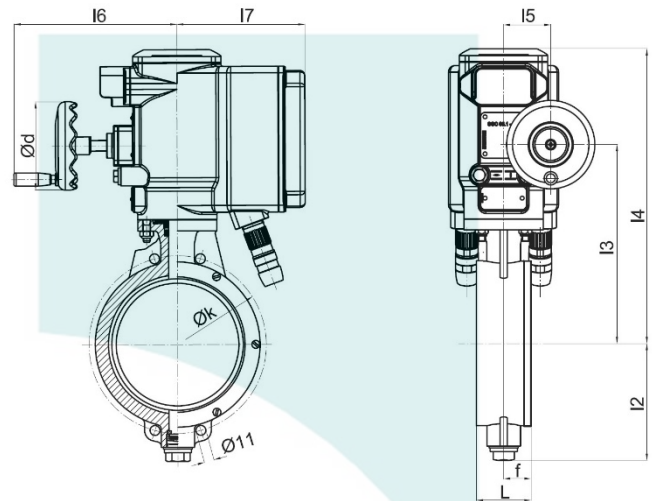
Temperature range: max. 120°C

Flange dimension: acc. to VG 85011 part 3

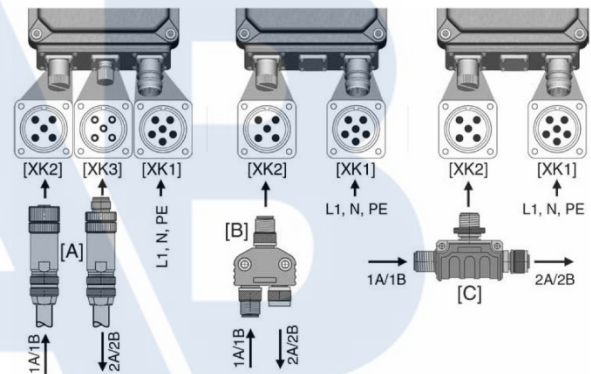
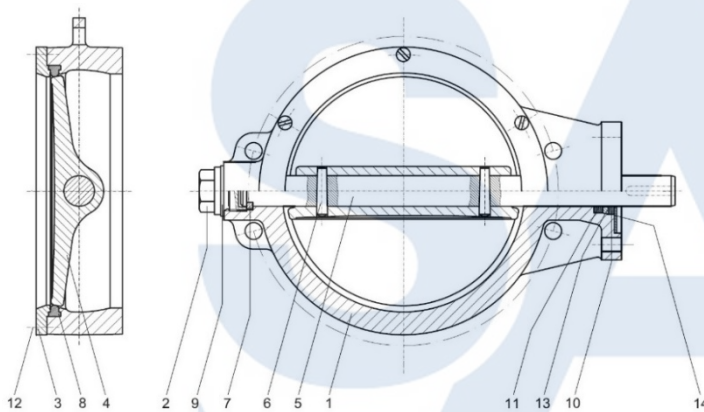
Application: Seawater, fresh water, lub oil and fuel

Features: local position indication, manual operation by hand wheel, electric connection for power supply and control (modbus communication), torque stop, limit switches, IP 68 (72h, 8m), shock approved acc. to MIL-standard

Options: power supply 115V or 230 V



More dimensions see catalogue page: 874-01-BZ



Connecting variants

Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuSn10	8	Seat ring	HNBR
2	Plug	CuSn8	9	Gasket	Copper
3	Retaining ring	G-CuSn12	10	Packing	Graphite
4	Disc	G-CuAl10Ni	11	Groove Ring	NBR
5	Shaft	CuAl10Ni5Fe4	12	Counter sunk screw	A4-70
6	Tapered pin	CuAl10Ni5Fe4	13	Washer	CuZn39Pb2
7	Collar ring	CuAl10Ni5Fe4	14	Washer	CuZn39Pb2

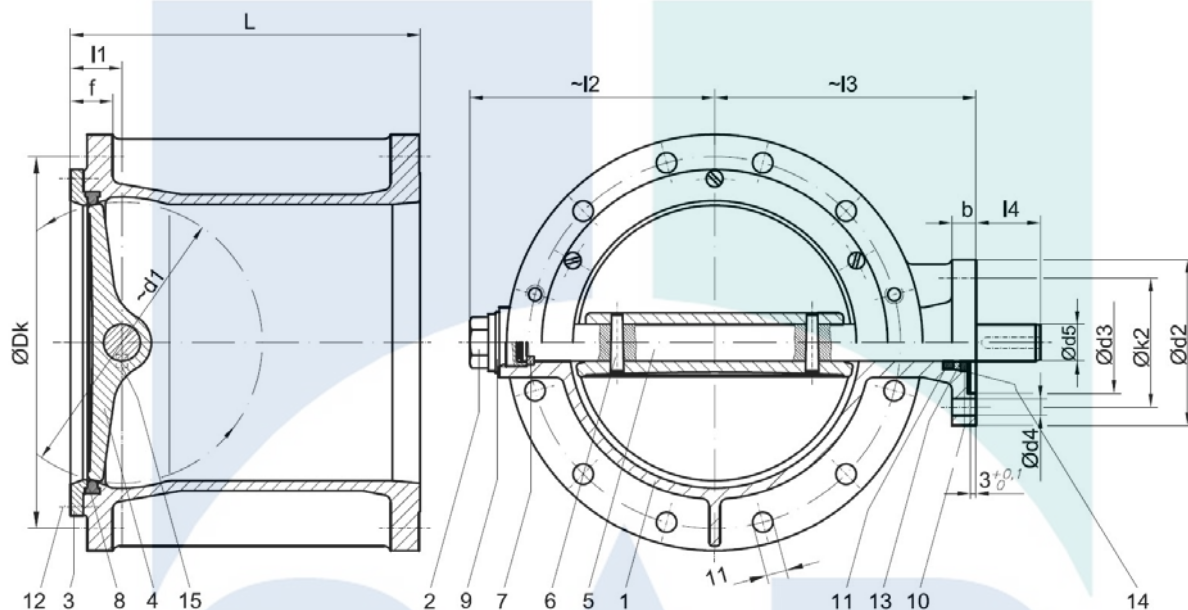
DN	L	Actuator	Ød	Øk	Number of holes	I2	I3	I4	I5	I6	I7	f	Weight in kg
50	43	SG 04.1	100	96	6	75	165	274	54	185	144	23	9.8
70	46			116	8	84	176	285	54	185	144	23	10.6
80	46			126	8	90	180	289	54	185	144	23	11.1
100	52			148	10	107	192	301	54	185	144	26	14.7
125	56	SG 05.1	100	176	10	120	205	314	54	185	144	28	16.1
150	56			202	12	135	241	358	67	200	155	28	24.7
175	56			240	14	149	261	378	67	200	155	28	17.8
200	60	SG 07.1	125	264	16	167	297	414	67	200	155	30	31.4
250	68			316	20	200	323	440	83	234	169	34	43.0
300	78			368	24	235	341	474	83	234	169	39	55.0

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Flanged type butterfly valve

874-02-BZ

according to VG 85054 Shape A and B



Technical Data:

Nominal pressure: DN 50 to DN 150: 10 bar

DN N175 to DN 300: 6 bar

Temperature range: max. 120°C

Flange dimension: acc. to VG 85011 part 3 (Shape A)

Application: Seawater, fresh water, lub oil and fuel

Options: Flange drilling for hull mounting acc. to

VG 85011 part 6 are available on request (Shape B)



Marking in "Closed"-
Position

Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuSn10	8	Seatring	HNBR
2	Plug	CuSn8	9	Gasket	Copper
3	Retaining ring	G-CuSn12	10	Packing	Graphite
4	Disc	G-CuAl10Ni	11	Groove Ring	NBR
5	Shaft	CuAl10Ni5Fe4	12	Counter sunk screw	A4-70
6	Tapered pin	CuAl10Ni5Fe4	13	Washer	CuZn39Pb2
7	Collar ring	CuAl10Ni5Fe4	14	Washer	CuZn39Pb2

DN	L	b	Ød1	ØDk	Number of holes	Ød2	Ød3	Ød4	Ød5	Øk2	l2	l3	l4	Weight in kg
50	120	13	58	96	6	90	55	9	16	70	75	85	35	4.0
70	140		75	116	8						84	96		5.7
80	140		84	126	8						90	100		6.5
100	180		104	148	10				20		107	112		9.3
125	190		127	176	10						120	125		12.4
150	190		152	202	12						135	142		14.8
175	200		184	240	14				125		70	11		22
200	210	208	264	16	167	176	22.9							
250	220	254	316	20	28	200	202	33.0						
300	230	308	368	24		30	235	230		45.0				

Flanged type butterfly valve

874-02-BZ-03

according to VG 85054

with gear box

Technical Data:

Nominal pressure: DN 50 to DN 150: 10 bar

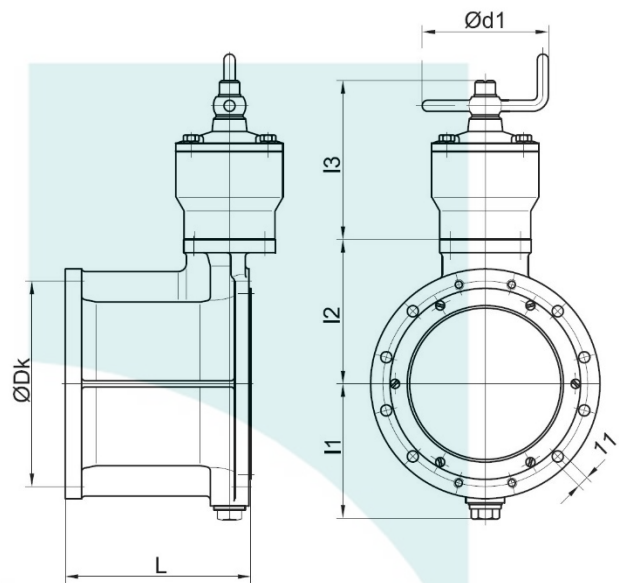
DN 175 to DN 300: 6 bar

Temperature range: max. 120°C

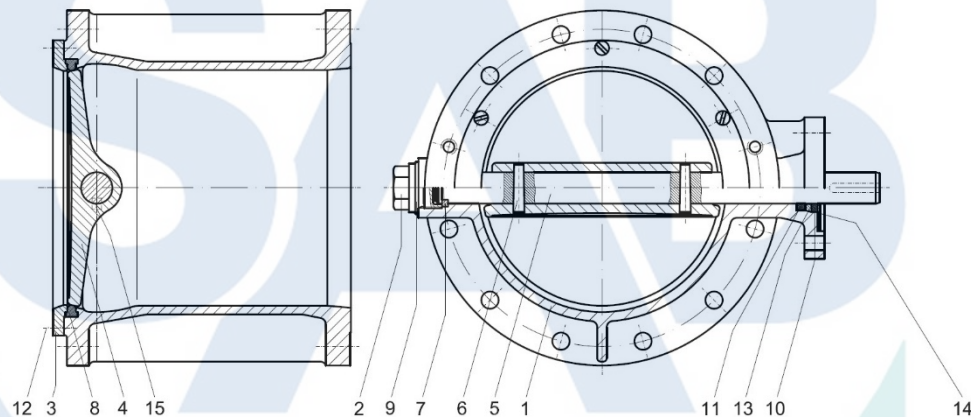
Flange dimension: acc. to VG 85011 part 3

Application: Seawater, fresh water, lub oil and fuel

Options: Gear box with position locking device. Flange drilling for hull mounting acc. to VG 85011 part 6 are available on request (Shape B). Different types of crank handle or hand wheel



More dimensions see catalogue page: 874-02-BZ



Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuSn10	8	Seatring	HNBR
2	Plug	CuSn8	9	Gasket	Copper
3	Retaining ring	G-CuSn12	10	Packing	Graphite
4	Disc	G-CuAl10Ni	11	Groove Ring	NBR
5	Shaft	CuAl10Ni5Fe4	12	Counter sunk screw	A4-70
6	Tapered pin	CuAl10Ni5Fe4	13	Washer	CuZn39Pb2
7	Collar ring	CuAl10Ni5Fe4	14	Washer	CuZn39Pb2

DN	L	Gear box	Ød1	ØDk	Number of holes	I1	I2	I3	Weight in kg
50	120	GHE 05.1	125	96	6	75	85	140	6.8
70	140			116	8	84	96		8.5
80	140			126	8	90	100		9.3
100	180			148	10	107	112		12.1
125	190			176	10	120	125		15.2
150	190	GHE 07.1	125	202	12	135	142	157	19.1
175	200			240	14	149	162		24.3
200	210	GHE 10.1	150	264	16	167	176	170	27.2
250	220			316	20	200	202		40.5
300	230			368	24	235	230		52.5

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Issue: 26.03.2016

Cat. Page: 874-02-BZ-03

Flanged type butterfly valve 874-02-BZ-13-1

according to VG 85054

with electric actuator SG

Technical Data:

Nominal pressure: DN 50 to DN 150: 10 bar

DN 175 to DN 300: 6 bar

Temperature range: max. 120°C

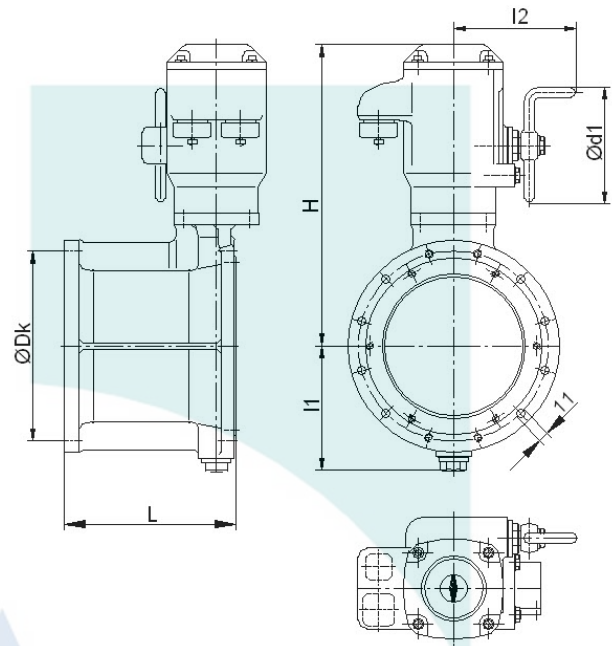
Flange dimension: acc. to VG 85011 part 3

Application: Seawater, fresh water, lub oil and fuel

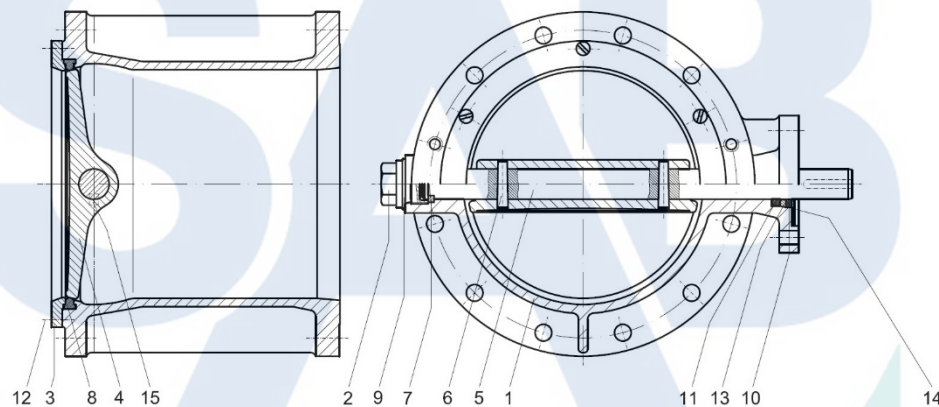
Features: local position indication, manual operation by hand wheel or crank, electric connection for power supply and control, torque stop, limit switches, IP 68 (72h, 8m), shock approved acc. to MIL-standard

Options: Flange drilling for hull mounting acc. to

VG 85011 part 6 are available on request (Shape B).
Different types of crank handle or hand wheel, control box MEC, power supply 115V or 230 V



More dimensions see catalogue page: 874-02-BZ



Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuSn10	8	Seat ring	HNBR
2	Plug	CuSn8	9	Gasket	Copper
3	Retaining ring	G-CuSn12	10	Packing	Graphite
4	Disc	G-CuAl10Ni	11	Groove Ring	NBR
5	Shaft	CuAl10Ni5Fe4	12	Counter sunk screw	A4-70
6	Tapered pin	CuAl10Ni5Fe4	13	Washer	CuZn39Pb2
7	Collar ring	CuAl10Ni5Fe4	14	Washer	CuZn39Pb2

DN	L	Actuator	Ød1	ØDk	Number of holes	I1	H	I2	Weight in kg
50	120	SG 04.2	125	96	6	75	245	146	10.8
70	140			116	8	84	256		12.5
80	140			126	8	90	260		13.3
100	180	SG 05.2		148	10	107	295	156	18.5
125	190			176	10	120	308		21.6
150	190	SG 07.2		202	12	135	357	166	30.8
175	200			240	14	149	377		36.0
200	210			264	16	167	391		38.9
250	220	SG 10.2		150	316	20	200	455	192
300	230		368		24	235	483		65.0

Flanged type butterfly valve 874-02-BZ-13-2

according to VG 85054

with electric actuator SGM

Technical Data:

Nominal pressure: DN 50 to DN 150: 10 bar

DN 175 to DN 300: 6 bar

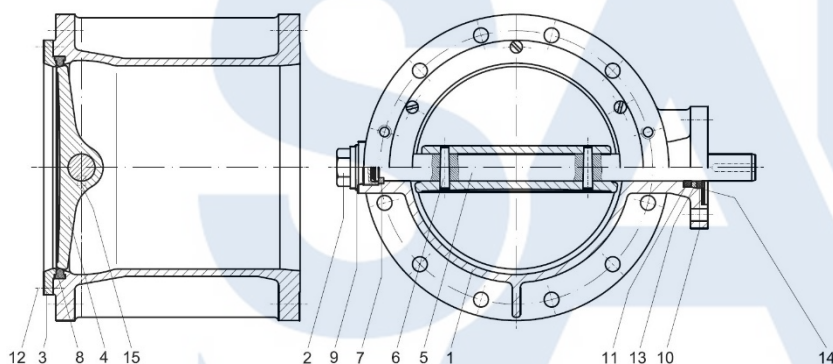
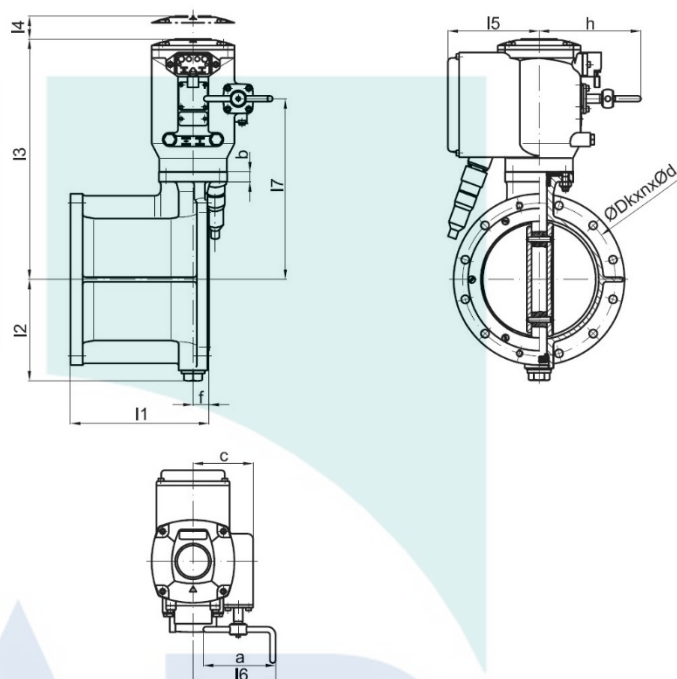
Temperature range: max. 120°C

Flange dimension: acc. to VG 85011 part 3

Application: Seawater, fresh water, lub oil and fuel

Features: local position indication, manual operation by hand wheel or crank, electric connection for power supply and control, torque stop, limit switches, IP 68 (72h, 8m), shock approved acc. to MIL-standard

Options: Different types of crank handle or hand wheel, , power supply 115V or 230 V



Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuSn10	8	Seat ring	HNBR
2	Plug	CuSn8	9	Gasket	Copper
3	Retaining ring	G-CuSn12	10	Packing	Graphite
4	Disc	G-CuAl10Ni	11	Groove Ring	NBR
5	Shaft	CuAl10Ni5Fe4	12	Counter sunk screw	A4-70
6	Tapered pin	CuAl10Ni5Fe4	13	Washer	CuZn39Pb2
7	Collar ring	CuAl10Ni5Fe4	14	Washer	CuZn39Pb2

DN	Act.	l1	l2	l3	l4	l5	l6	l7	a	b	c	h	ØDkxnxØd	f	Weight
50	SGM 04.2	120	75	274	50	144	11 6	165	125	13	76.5	181	96 x 6 x 11	23	15
70		140	84	285				176					116 x 8 x 11	23	16.7
80		140	90	289				180					126 x 8 x 11	23	17.5
100	SGM 05.2	180	107	301	60	154	12 9	192	125	13	76.5	181	148 x 10 x 11	26	20.3
125		190	120	314				205					176 x 10 x 11	28	23.4
150		190	135	358				241					202 x 12 x 11	28	31.8
175	SGM 07.2	200	149	378	70	169	15 9	261	125	16	94.5	193	240 x 14 x 11	28	37
200		210	167	414				297					264 x 16 x 11	30	39.9
250		220	200	440				323					316 x 20 x 11	34	59
300	SGM 10.1	230	235	474	70	169	15 9	341	150	16	111	209	368 x 24 x 11	39	71

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Wafer type butterfly valve

874-11-BZ-13-2

similar to VG 85053, double eccentric type
with electric actuator SGM

Technical Data:

Nominal pressure: 16 bar

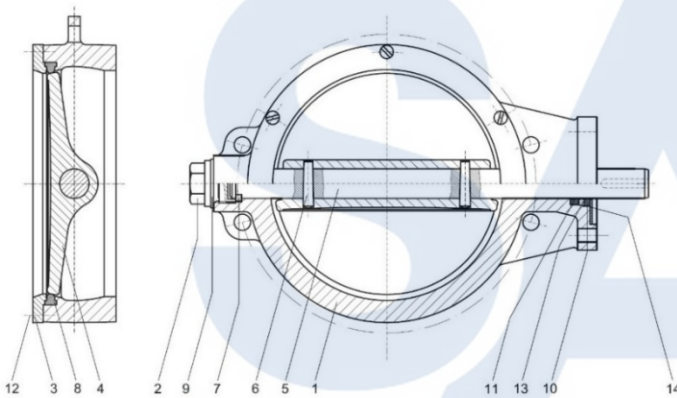
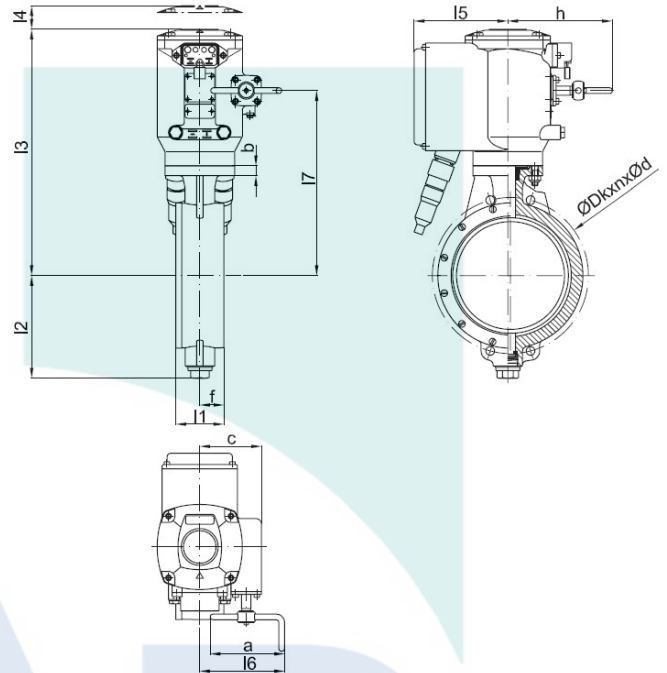
Temperature range: max. 120°C

Flange dimension: acc. to VG 85011 part 3

Application: Seawater, fresh water, lub oil and fuel

Features: local position indication, manual operation by hand wheel or crank, electric connection for power supply and control, torque stop, limit switches, IP 68 (72h, 8m), shock approved acc. to MIL-standard

Options: Different types of crank handle or hand wheel, , power supply 115V or 230 V



Item	Name of part	Material	Item	Name of part	Material
1	Body	G-CuSn10	8	Seat ring	HNBR
2	Plug	CuSn8	9	Gasket	Copper
3	Retaining ring	G-CuSn12	10	Packing	Graphite
4	Disc	G-CuAl10Ni	11	Groove Ring	NBR
5	Shaft	CuNi14Al3	12	Counter sunk screw	A4-70
6	Tapered pin	CuAl10Ni5Fe4	13	Washer	CuZn39Pb2
7	Collar ring	CuAl10Ni5Fe4	14	Washer	CuZn39Pb2

DN	Act.	l1	l2	l3	l4	l5	l6	l7	a	b	c	h	ØDkxnxØd	f	Weight
50	SGM 04.2	43	75	274	50	144	11 6	165	125	13	76.5	181	96 x 6 x 11	23	14
70		46	84	285				176					116 x 8 x 11	23	14.8
80		46	90	289				180					126 x 8 x 11	23	15.3
100	SGM 05.2	52	107	301	60	154	12 9	192			94.5	193	148 x 10 x 11	26	16.5
125		56	120	314				205					176 x 10 x 11	28	17.9
150		56	135	358				241					202 x 12 x 11	28	25.7
175	SGM 07.2	56	149	378	70	169	15 9	261	150	16	111	209	240 x 14 x 11	28	28.8
200		60	167	414				297					264 x 16 x 11	30	34.4
250		68	200	440				323					316 x 20 x 11	34	51.3
300	SGM 10.1	78	235	474				341					368 x 24 x 11	39	61

Wafer type butterfly valve

874-11-SS-13-2

similar to VG 85053, double eccentric type
with electric actuator SGM

Technical Data:

Nominal pressure: 16 bar

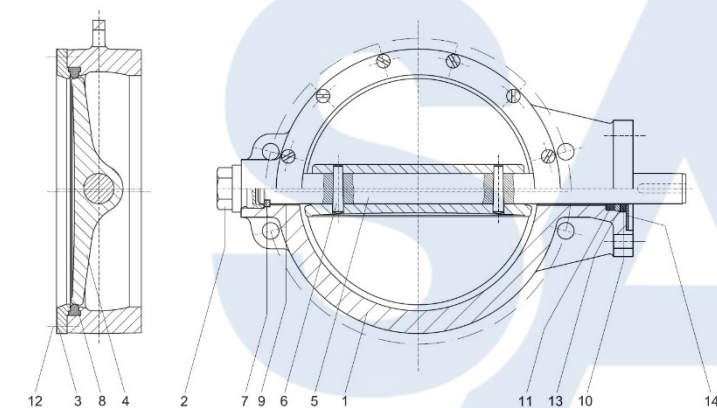
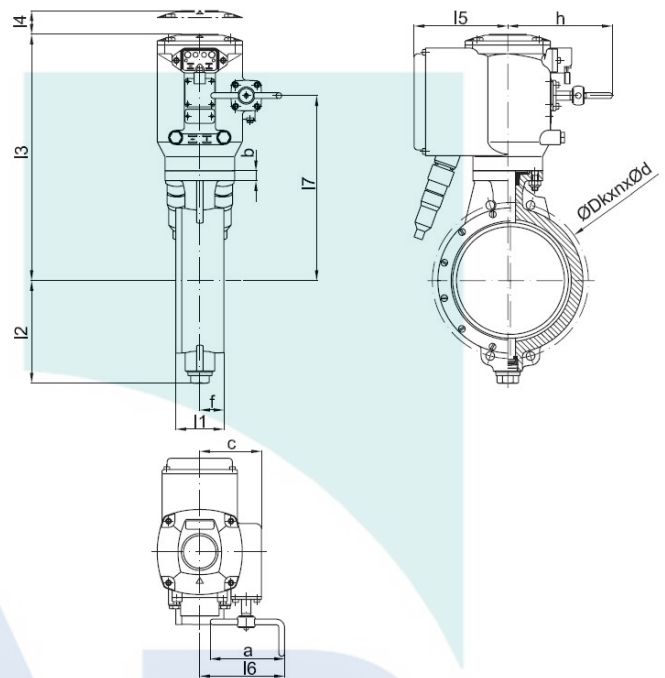
Temperature range: max. 120°C

Flange dimension: acc. to VG 85011 part 3

Application: Seawater, fresh water, lub oil and fuel

Features: local position indication, manual operation by hand wheel or crank, electric connection for power supply and control, torque stop, limit switches, IP 68 (72h, 8m), shock approved acc. to MIL-standard

Options: Different types of crank handle or hand wheel, , power supply 115V or 230 V



Item	Name of part	Material	Item	Name of part	Material
1	Body	1.4408	8	Seat ring	HNBR
2	Plug	1.4571	9	Bush	PTFE
3	Retaining ring	1.4571	10	Packing	Graphite
4	Disc	1.4408	11	Groove Ring	NBR
5	Shaft	1.4462	12	Counter sunk screw	A4-70
6	Tapered pin	1.4571	13	Washer	1.4301
7	Collar ring	1.4571	14	Washer	1.4301

DN	Act.	I1	I2	I3	I4	I5	I6	I7	a	b	c	h	ØDkxnxØd	f	Weight
50	SGM 04.2	43	75	274	50	144	11 6	165	125	13	76.5	181	96 x 6 x 11	23	16.1
70		46	84	285				176					116 x 8 x 11	23	17
80		46	90	289				180					126 x 8 x 11	23	17.6
100	SGM 05.2	52	107	301	60	154	12 9	192					148 x 10 x 11	26	19
125		56	120	314				205					176 x 10 x 11	28	20.5
150		56	135	358				241					202 x 12 x 11	28	29.5
175	SGM 07.2	56	149	378	70	169	15 9	261	150	16	94.5	193	240 x 14 x 11	28	33
200		60	167	414				297					264 x 16 x 11	30	39
250		68	200	440				323					316 x 20 x 11	34	59
300	SGM 10.1	78	235	474				341					368 x 24 x 11	39	70

according to VG 85346

Technical Data:

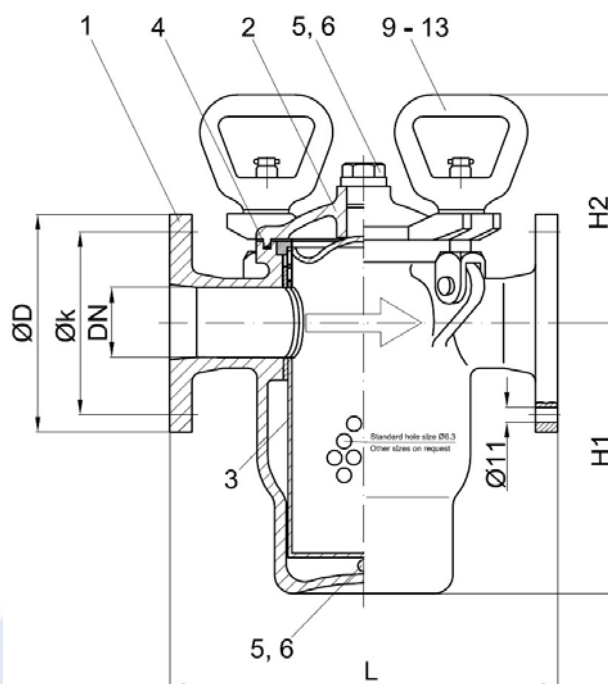
Nominal pressure: 2.5 bar

Temperature range: 0°C - +70°C

Flange dimension: acc. to VG 85011 part 3

Application: Seawater, fresh water

Options: Venting cock, drain cock, strainer perforation
acc. request



Item	Name of part	Material
1	Body	G-CuSn10
2	Cover	G-CuSn10
3	Strainer	Cuni10
4	Sealing	NBR
5	Plug	CuSn8
6	Gasket	Copper
7		
8		
9	Clevis screw	CuZn35Ni2F50
10	Bow nut	CuZn40Pb2F37
11	Washer	CuZn8F46
12	Rivet pin	CuZn40Pb2
13	Split pin	Copper

DN	L		ØD	Øk	Number of holes	H1	H2	Weight in kg
32	180		100	76	6	124	107	6.0
40	180		108	84		124	107	6.0
50	210		120	96		137	118	8.3
70	250		140	116	8	185	141	17.3
80	250		150	126		207	147	18.4
100	290		172	148	10	267	166	26.0

according to VG 85346

Technical Data:

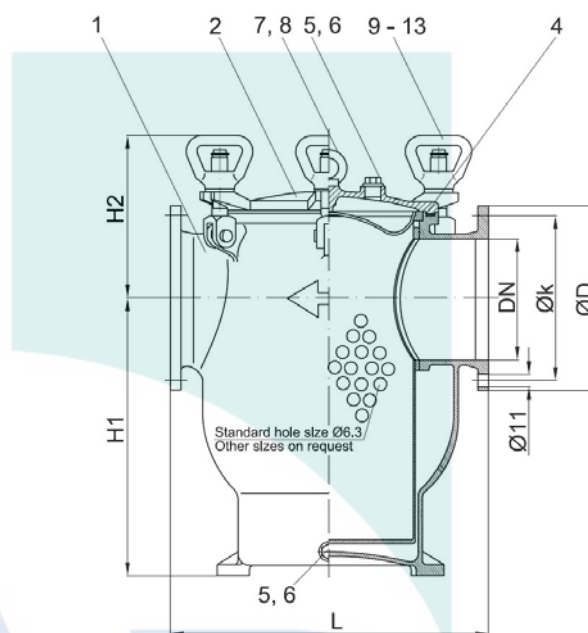
Nominal pressure: 2.5 bar

Temperature range: 0°C - +70°C

Flange dimension: acc. to VG 85011 part 3

Application: Seawater, fresh water

Options: Venting cock, drain cock, strainer perforation
acc. request



Item	Name of part	Material
1	Body	G-CuSn10
2	Cover	CuSn8
3	Strainer	Cuni10
4	Sealing	NBR
5	Plug	CuSn8
6	Gasket	Copper
7	Ring screw	Steel, galvanized
8	Gasket	Copper
9	Clevis screw	CuZn35Ni2F50
10	Bow nut	CuZn40Pb2F37
11	Washer	CuZn8F46
12	Rivet pin	CuZn40Pb2
13	Split pin	Copper

DN	L	ØD	Øk	Number of holes	H1	H2	Weight in kg
125	350	200	176	10	285	191	37.3
150	400	226	202	12	340	204	45.0
175	450	264	240	14	374	224	68.0
200	530	288	264	16	392	255	92.0
250	600	340	316	20	456	296	142.0
300	600	392	368	24	536	321	163.0

according to VG 85346

Technical Data:

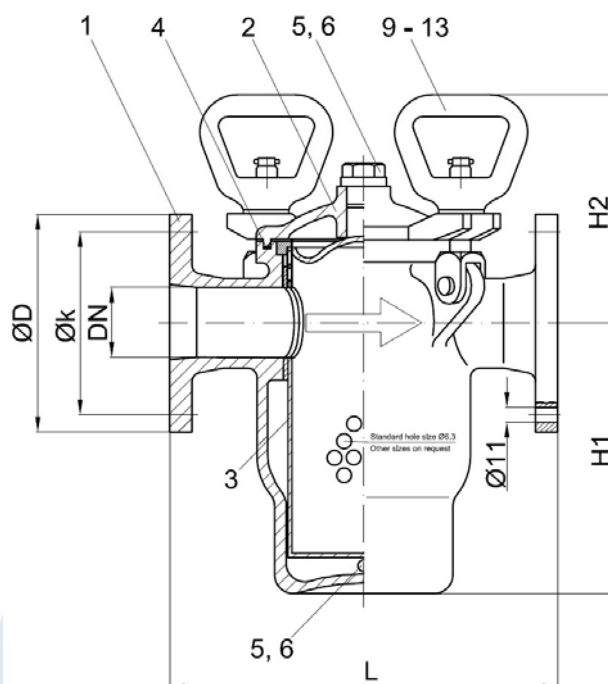
Nominal pressure: 2.5 bar

Temperature range: 0°C - +70°C

Flange dimension: acc. to VG 85011 part 3

Application: Seawater, fresh water

Options: Venting cock, drain cock, strainer perforation
acc. request



Item	Name of part	Material
1	Body	G-CuSn10
2	Cover	G-CuSn10
3	Strainer	Cuni10
4	Sealing	NBR
5	Plug	CuSn8
6	Gasket	Copper
7		
8		
9	Clevis screw	CuZn35Ni2F50
10	Bow nut	CuZn40Pb2F37
11	Washer	CuZn8F46
12	Rivet pin	CuZn40Pb2
13	Split pin	Copper

DN	L		ØD	Øk	Number of holes	H1	H2	Weight in kg
32	180		100	76	6	124	107	6.0
40	180		108	84		124	107	6.0
50	210		120	96		137	118	8.3
70	250		140	116	8	185	141	17.3
80	250		150	126		207	147	18.4
100	290		172	148	10	267	166	26.0

according to VG 85346

Technical Data:

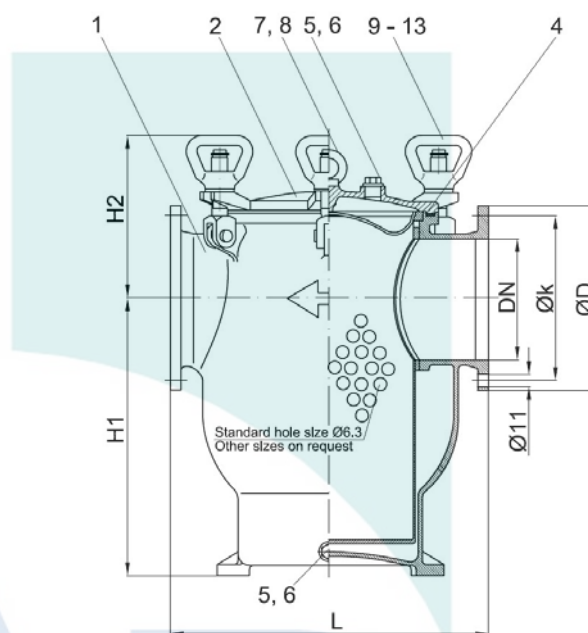
Nominal pressure: 2.5 bar

Temperature range: 0°C - +70°C

Flange dimension: acc. to VG 85011 part 3

Application: Seawater, fresh water

Options: Venting cock, drain cock, strainer perforation
acc. request



Item	Name of part	Material
1	Body	G-CuSn10
2	Cover	CuSn8
3	Strainer	Cuni10
4	Sealing	NBR
5	Plug	CuSn8
6	Gasket	Copper
7	Ring screw	Steel, galvanized
8	Gasket	Copper
9	Clevis screw	CuZn35Ni2F50
10	Bow nut	CuZn40Pb2F37
11	Washer	CuZn8F46
12	Rivet pin	CuZn40Pb2
13	Split pin	Copper

DN	L	ØD	Øk	Number of holes	H1	H2	Weight in kg
125	350	200	176	10	285	191	37.3
150	400	226	202	12	340	204	45.0
175	450	264	240	14	374	224	68.0
200	530	288	264	16	392	255	92.0
250	600	340	316	20	456	296	142.0
300	600	392	368	24	536	321	163.0