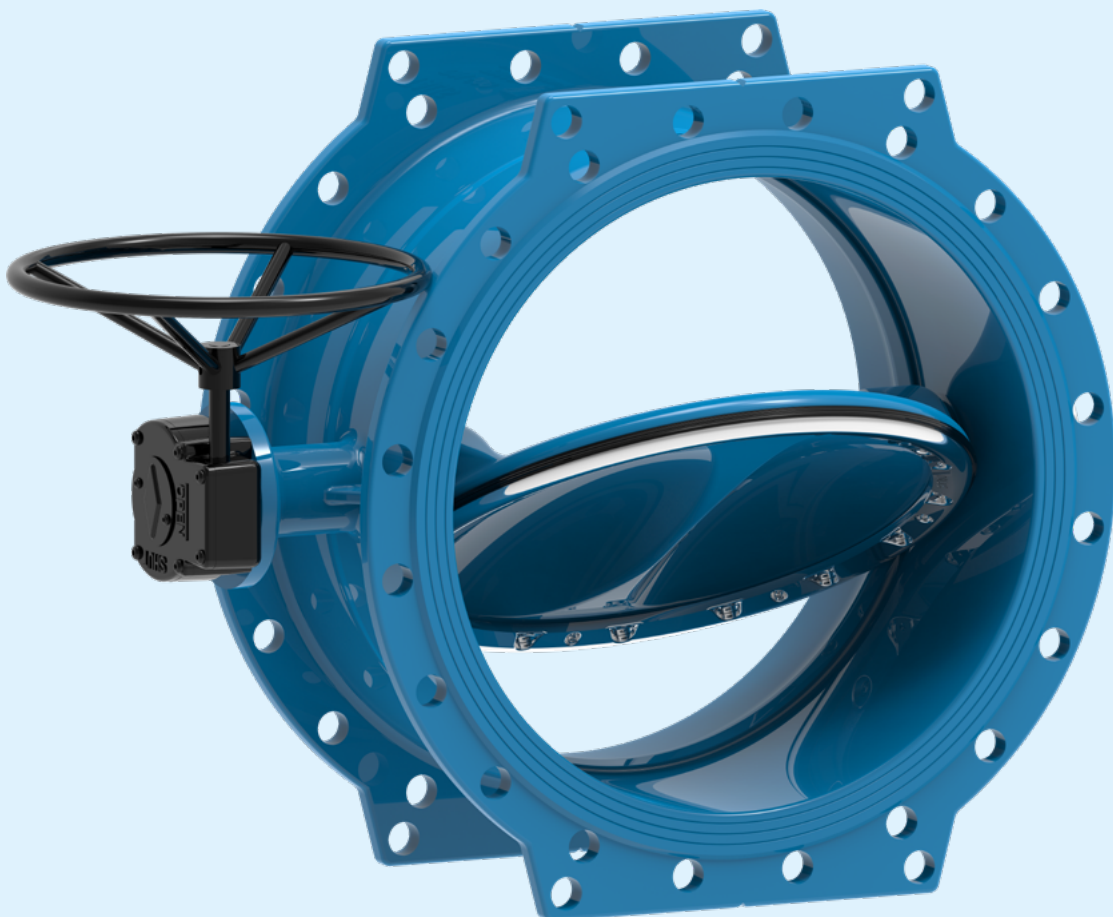


Product Brochure
EVOLUTION Double Eccentric Butterfly Valve



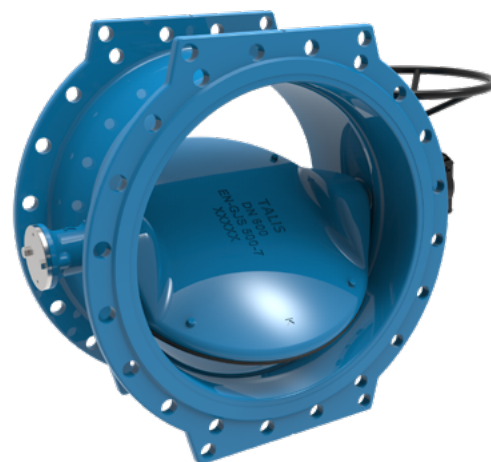
DOUBLE ECCENTRIC BUTTERFLY VALVE

EVOLUTION

TALIS' new double eccentric butterfly valve represents the essence of an efficient butterfly valve designed for when economy is a high priority.

EVOLUTION is functional and reliable, providing reduced complexity.

It covers the needs in standard applications for drinking water in terms of design, materials and standards.



ADVANTAGES

- └ **ESSENTIAL:** Design and material selection are optimized for use in low and medium pressure drinking water applications.
- └ **DURABLE:** Uninterrupted corrosion protection with pin-less connection and closed disc eyes ensure long service life and clean water.
- └ **EFFICIENT:** Flow-efficient design for minimized head loss and low energy consumption significantly reduces the cost of ownership.

CHARACTERISTICS

- └ **Economic solution** providing all required features for standard drinking water applications.
- └ **Long service life** due to uninterrupted corrosion protection and high quality components.
- └ **Clean drinking water by using** certified high quality components
- └ **100% tested** according to EN 12266-1

APPROVALS

- └ WRAS, ACS, CNAS

APPLICATIONS



Water treatment



Water distribution network

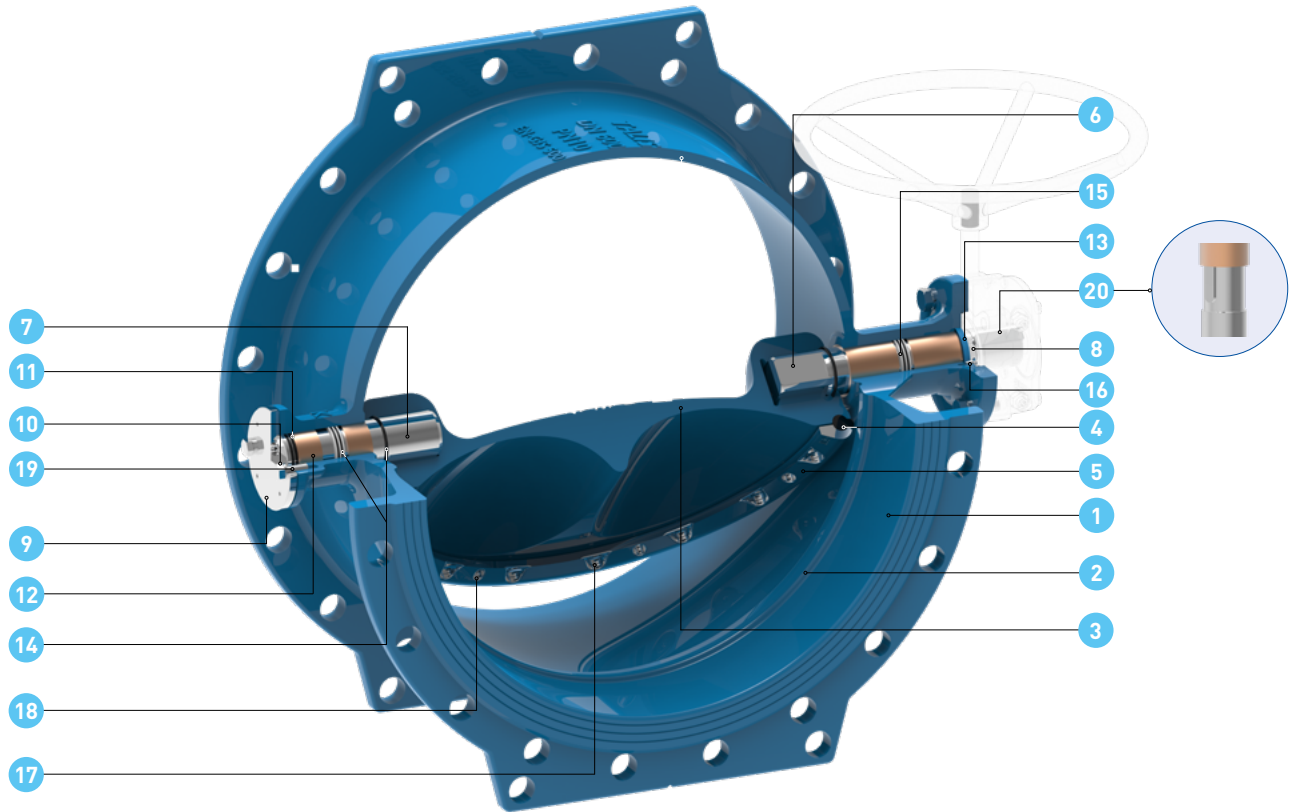


Water transmission

TECHNICAL DATA

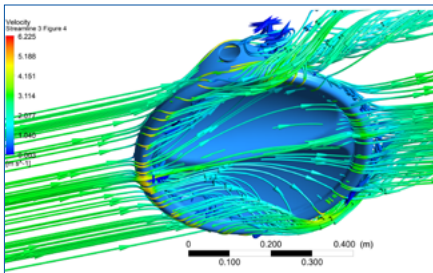
- └ **Nominal diameter (DN)**
DN300 - DN1800
- └ **Nominal pressure (PN)**
PN10 and PN16
- └ **Double eccentric butterfly valve** acc. to design standards EN 593 and EN1074-1/2
- └ **Face-to-face dimension** acc. to
EN558 series 14
- └ **Flange Drilling** acc. to EN 1092-2
- └ **Medium** Drinking water
- └ **Temperature** min. -10°C, max. +50°C
- └ **Coating** Epoxy min. 250 µm
- └ **Actuation types**
Handwheel with standard gearbox
Prepared for electric actuation
Adapted for pneumatic actuation
- └ **Gearbox enclosure** IP67
(optional IP68)

MAIN COMPONENTS



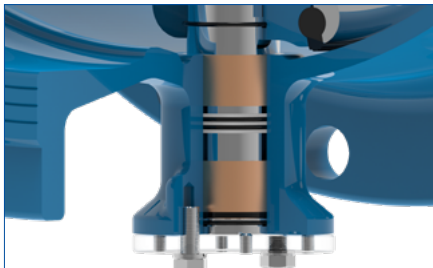
POS.	DESCRIPTION	MATERIAL - STANDARD	OPTIONAL	SPARE PART	WATER CONTACT
1	Body	EN-GJS-500-7, epoxy coated 250µm			x
2	Seat area	Integral, epoxy coated	Welded stainless steel AISI 309L		x
3	Disc	EN-GJS-500-7, epoxy coated 250µm			x
4	Sealing ring	EPDM	NBR	x	x
5	Retaining ring	CF8			x
6	Drive shaft	AISI 420			x
7	Shaft	AISI 420			x
8	Drive side cover	AISI 304			
9	End cover	AISI 304			
10	Spacer	AISI 304			
11	Washer	POM			
12	Bush	Self-lubricating steel + bronze PTFE coated			x
13	U-ring	NBR		x	
14	O-ring	EPDM	NBR	x	x
15	Washer	PTFE		x	x
16	Screws	A2			
17	Screws	A2			x
18	Set screws	A2			
19	Screws	A2			
20	Key	C45			

BENEFITS AND FEATURES



1: Flow-efficient design

- Disc design and inner body diameter are designed for maximum flow
- Low energy consumption due to minimized head loss
- Reduced total cost of ownership**



4: Adjustable disc position

- Lower cover design allows axial adjusting of disc position over time **for vertical installations**
- Easy maintenance** without disassembling the valve



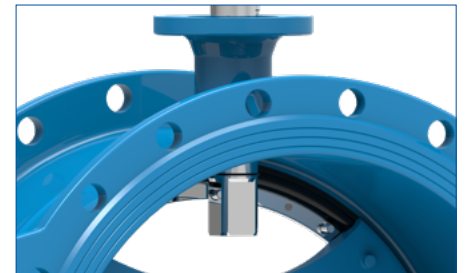
2: Optimized for drinking water

- Materials in contact with water are **certified high quality**
- WRAS approval** on components and full product
- Corrosion protection and stainless steel components ensure **clean water**



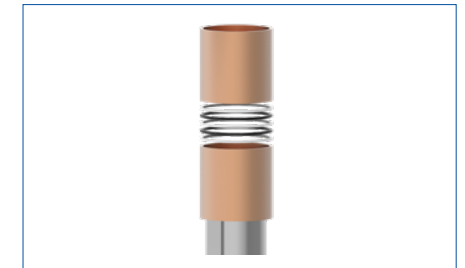
5: Low-wear sealing ring

- Saw-tooth profile for **self-sealing** effect and low friction
- Wearing is compensated by compressing the sealing ring over time
- High durability**



3: Uninterrupted corrosion protection

- Shaft-disc connection by means of a square shaft **without pins**
- Closed disc eyes
- 250 µm epoxy coating
- Clean water** and **high durability**



6: Self-lubricating bushes

- Self-lubricating** bushes of steel + bronze
- PTFE coated
- Without lead
- Maintenance-free**

ENERGY EFFICIENCY

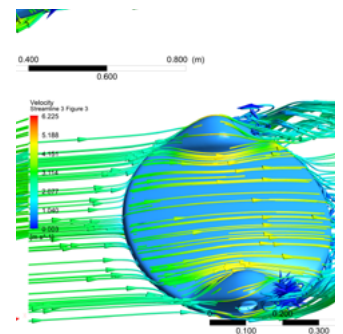
EVOLUTION contributes to an overall optimized hydraulic system for a low consumption of energy.

Key figures are Kv and ζ (zeta) values:

- The Kv-factor of a valve indicates the water flow in m³/h at a pressure drop across the valve of 1 kg/cm² at 5-30°C when the valve is 100% open.
- The head loss coefficient ζ (zeta) or resistance coefficient is a dimensionless measure in fluid mechanics reflecting the resistance in a certain hydraulic element.
- High Kv factors and low zeta values mean reduced pressure losses and smaller pump capacities.

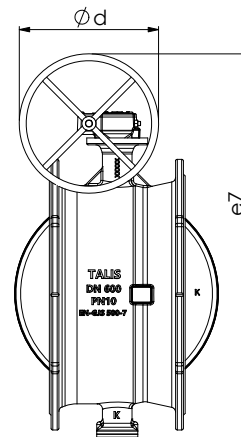
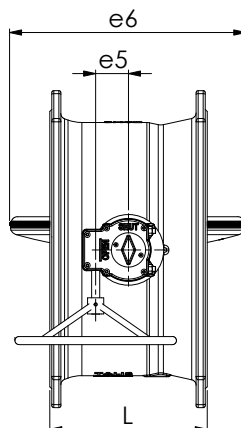
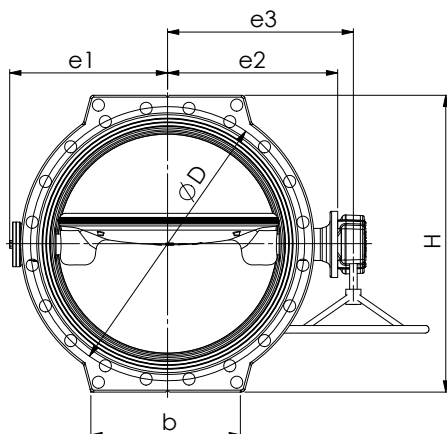
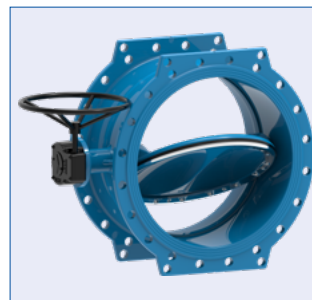
EVOLUTION valves minimize total cost of ownership

DN	PN10		PN16	
	Kv m ³ /h	ζ (zeta)	Kv m ³ /h	ζ (zeta)
300	5,138	0.49	5,291	0.46
400	10,371	0.38	10,238	0.39
450	13,302	0.37	13,302	0.37
500	16,649	0.36	15,639	0.41
600	27,684	0.27	25,509	0.32
700	40,826	0.23	33,778	0.34
800	55,806	0.21	44,118	0.34
900	60,260	0.23	58,068	0.25
1000	74,395	0.23	69,258	0.27
1200	111,503	0.22	105,928	0.24
1400	175,246	0.16	145,814	0.23
1600	217,147	0.18	207,041	0.20
1800	232,271	0.25	241,039	0.23



DIMENSIONS AND WEIGHTS

DOUBLE ECCENTRIC BUTTERFLY VALVE - EVOLUTION WITH HANDWHEEL

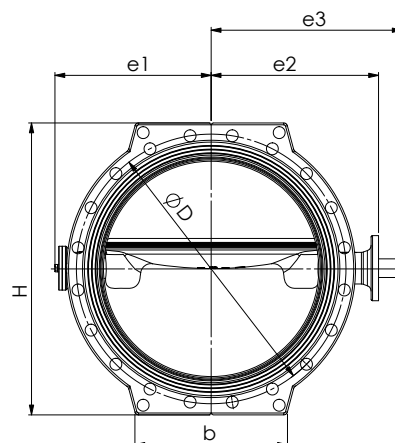
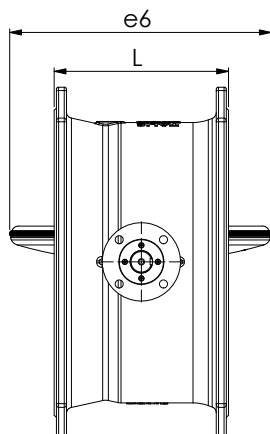
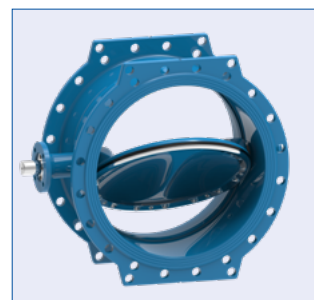


DN	PN	Weight	D	d	e1	e2	e3	L	e5	e6	e7	H	b
		kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
300	10	61	400	300	235	270	298	270	55	280	658	445	150
	16	67	410	300	243	288	322	270	55	280	690	460	150
350	10	80	460	300	265	310	344	290	55	330	759	505	180
	16	88	470	300	272	315	349	290	55	330	771	520	180
400	10	102	515	300	295	340	374	310	55	375	819	565	200
	16	119	525	300	307	359	397	310	69	375	854	580	200
450	10	149	565	300	347	385	423	330	69	430	920	640	275
	16	149	585	300	347	385	423	330	69	430	920	640	275
500	10	161	620	400	350	410	452	350	69	480	977	670	368
	16	197	650	400	373	410	452	350	81	480	1 000	715	368
600	10	235	725	400	400	455	497	390	81	580	1 072	780	400
	16	315	770	400	428	504	555	390	104.5	580	1 158	840	400
700	10	352	840	400	480	550	601	430	104.5	675	1 281	895	430
	16	408	840	400	497	555	616	430	53	675	1 313	910	430
800	10	494	950	500	540	600	661	470	53	780	1 451	1 022	450
	16	569	950	500	555	600	661	470	53	780	1 466	1 030	450
900	10	652	1 050	600	592	647	708	510	53	880	1 600	1 115	510
	16	660	1 050	600	626	665	730	510	130	880	1 656	1 125	536
1 000	10	893	1 160	600	678	717	782	550	130	982	1 760	1 230	560
	16	1 158	1 170	600	701	772	850	550	140	982	1 851	1 255	560
1 200	10	1 568	1 380	600	799	865	943	630	140	1 171	2 042	1 455	655
	16	1 771	1 390	600	822	930	1 027	630	140	1 171	2 149	1 485	655
1 400	10	2 008	1 590	500	920	1 025	1 122	710	182	1 375	2 292	1 675	755
	16	2 337	1 590	600	973	1 055	1 163	710	209	1 375	2 436	1 685	755
1 600	10	3 125	1 820	600	1 061	1 180	1 288	790	209	1 569	2 649	1 915	900
	16	3 702	1 820	600	1 104	1 215	1 327	790	256	1 569	2 731	1 930	900
1 800	10	4 617	2 020	600	1 195	1 286	1 398	870	256	1 776	2 893	2 115	1 013
	16	5 209	2 020	800	1 198	1 335	1 434	870	246	1 776	3 032	2 130	1 013

DIMENSIONS AND WEIGHTS

DOUBLE ECCENTRIC BUTTERFLY VALVE - EVOLUTION

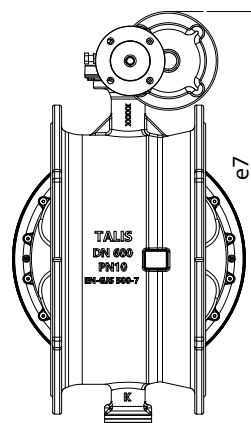
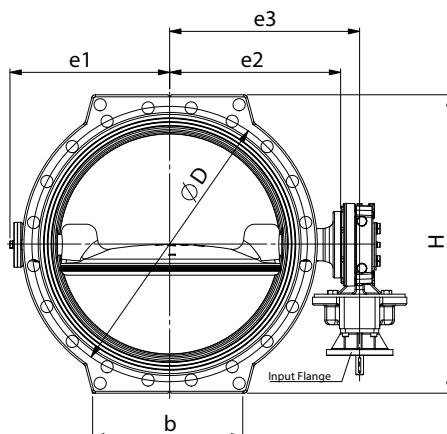
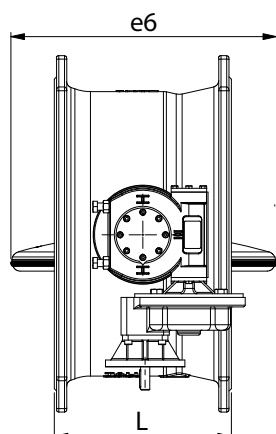
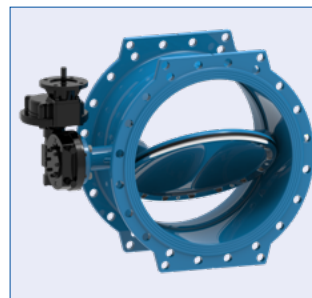
BARE SHAFT AND SQUARE SHAFT PREPARED FOR PNEUMATIC ACTUATOR



DN	PN	Weight	D	e1	e2	e3	L	e6	H	b	For gearbox / electric actuator		For pneumatic actuator
		kg									Round shaft Ø mm	Key	Square shaft mm
300	10	57	400	235	270	307.5	270	280	445	150	28	C8x36	22 x 22
	16	62	410	243	288	339	270	280	460	150	28	C8x50	27 x 27
350	10	75	460	265	310	361	290	330	505	180	28	C8x50	27 x 27
	16	83	470	272	315	366	290	330	520	180	36	C10x45	27 x 27
400	10	97	515	295	340	391	310	375	565	200	36	C10x45	27 x 27
	16	112	525	307	359	410	310	375	580	200	42	C12x60	36 x 36
450	10	142	565	347	385	447	330	430	640	275	42	C12x60	36 x 36
	16	142	585	347	385	447	330	430	640	275	42	C12x60	36 x 36
500	10	154	620	350	410	471	350	480	670	368	42	C12x60	36 x 36
	16	188	650	373	410	472	350	480	715	368	50	C14x60	36 x 36
600	10	226	725	400	455	517	390	580	780	400	50	C14x60	36 x 36
	16	292	770	428	504	582	390	580	840	400	60	C18x60	46 x 46
700	10	329	840	480	550	627	430	675	895	430	60	C18x80	46 x 46
	16	380	840	497	555	632	430	675	910	430	72	C20x80	46 x 46
800	10	466	950	540	600	677	470	780	1 022	450	72	C20x80	46 x 46
	16	541	950	555	600	708	470	780	1 030	450	80	C22x110	55 x 55
900	10	628	1 050	592	647	756	510	880	1 115	510	80	C22x110	55 x 55
	16	721	1 050	626	665	772	510	880	1 125	536	80	C22x110	55 x 55
1 000	10	861	1 160	678	717	827	550	982	1 230	560	80	C22x110	55 x 55
	16	1 109	1 170	701	772	895	550	982	1 255	560	100	C28x120	75 x 75
1 200	10	1 519	1 380	799	865	988	630	1 171	1 455	655	100	C28x120	75 x 75
	16	1 708	1 390	822	930	1 051	630	1 171	1 485	655	100	C28x120	75 x 75
1 400	10	1 945	1 590	920	1 025	1 145	710	1 375	1 675	755	100	C28x120	75 x 75
	16	2 202	1 590	973	1 055	1 215	710	1 375	1 685	755	157	C40x155	-
1 600	10	2 990	1 820	1 061	1 180	1 340	790	1 569	1 915	900	157	C40x155	-
	16	3 482	1 820	1 104	1 215	1 382	790	1 569	1 935	900	157	C40x155	-
1 800	10	4 397	2 020	1 195	1 286	1 453	870	1 776	2 120	1 013	157	C40x155	-
	16	4 987	2 020	1 198	1 335	1 495	870	1 776	2 135	1 013	157	C40x155	-

DOUBLE ECCENTRIC BUTTERFLY VALVE - EVOLUTION

WITH GEARBOX PREPARED FOR ELECTRIC ACTUATOR

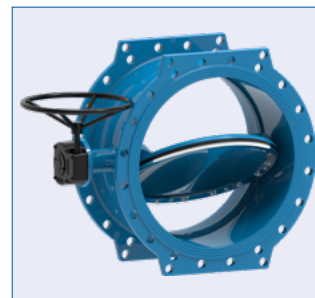


DN	PN	Weight	D	d	e1	e2	e3	L	e6	e7	H	b
		kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
300	10	68	400	300	235	270	319	270	280	704	445	150
	16	84	410	200	243	288	337	270	280	680	460	150
350	10	86	460	300	265	310	360	290	330	775	505	180
	16	105	470	200	272	315	365	290	330	737	520	180
400	10	119	515	200	295	340	390	310	375	785	565	200
	16	134	525	300	307	359	409	310	375	866	580	200
450	10	164	565	300	347	385	435	330	430	932	640	275
	16	164	585	300	347	385	435	330	430	932	640	275
500	10	184	620	300	350	410	460	350	480	960	670	368
	16	218	650	300	373	410	470	350	480	993	715	368
600	10	256	725	300	400	455	515	390	580	1 065	780	400
	16	345	770	300	428	504	554	390	580	1 132	840	400
700	10	382	840	300	480	550	600	430	675	1 230	895	430
	16	433	840	300	497	555	605	430	675	1 252	910	430
800	10	524	950	300	540	600	669	470	780	1 359	1 022	450
	16	620	950	300	555	600	670	470	780	1 375	1 030	450
900	10	655	1 050	300	592	647	723	510	880	1 370	1 115	510
	16	766	1 050	300	626	665	745	510	880	1 426	1 125	536
1 000	10	906	1 160	300	678	717	797	550	982	1 540	1 230	560
	16	1 165	1 170	300	701	772	865	550	982	1 630	1 255	560
1 200	10	1 575	1 380	300	799	865	958	630	1 171	1 820	1 455	655
	16	1 801	1 390	600	822	930	1047	630	1 171	1 939	1 485	655
1 400	10	2 038	1 590	600	920	1 025	1 162	710	1 375	2 132	1 675	755
	16	2 337	1 590	600	973	1 055	1 183	710	1 375	2 236	1 685	755
1 600	10	3 125	1 820	600	1 061	1 180	1 308	790	1 569	2 449	1 915	900
	16	3 702	1 820	1 000	1 104	1 215	1 347	790	1 569	2 541	1 935	900
1 800	10	4 617	2 020	1 000	1 195	1 286	1 418	870	1 776	2 703	2 120	1013
	16	5 209	2 020	1 000	1 198	1 335	1 454	870	1 776	2 732	2 135	1013

GEARBOX AND ACTUATOR SIZING

OPERATION WITH HANDWHEEL

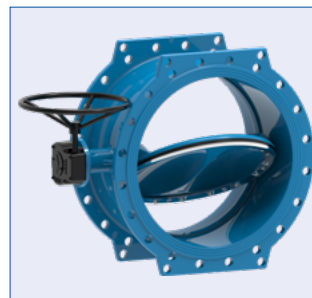
STANDARD GEARBOX, CLOCKWISE CLOSING, IP67



DN	PN	Torque at shaft Nm	Connection ISO 5211 - Shaft Ø mm	Gearbox size	Ratio:1	Number of turns	Handwheel Ø mm	Max. input torque at gearbox Nm
300	10	610	F10 - 28	242-30S	40	10	250	650
	16	760	F12 - 28	242-40S	40	10	250	1200
350	10	650	F12 - 28	242-30M	40	10	300	650
	16	850	F12 - 36	242-40S	40	10	300	1200
400	10	740	F12 - 36	242-40S	40	10	300	650
	16	930	F14 - 42	242-40M	40	10	300	1 200
450	10	1 000	F14 - 42	242-40M	40	10	300	1 200
	16	1 200	F14 - 42	242-40M	40	10	300	1 200
500	10	1 420	F14 - 42	242-45M	50	13	350	1 200
	16	1 780	F14 - 50	242-45M	50	13	350	2 000
600	10	1 710	F14 - 50	242-45M	50	13	350	2 000
	16	2 140	F16 - 60	AB1250N	55	14	350	3 250
700	10	2 770	F16 - 60	AB1250N	55	14	400	3 250
	16	3 250	F16 - 72	AB2000N	109	27	400	4 500
800	10	3 520	F16 - 72	AB2000N	109	27	500	4 500
	16	4 400	F25 - 80	AB2000NLB	109	27	500	4 500
900	10	4 500	F25 - 80	AB2000NLB	109	27	500	4 500
	16	5 250	F25 - 80	AB1950N	217	54	600	7 000
1 000	10	5 500	F25 - 80	AB1950N	217	54	600	7 000
	16	7 500	F30 - 100	AB3000NLB/PR4	243	61	600	9 000
1 200	10	7 000	F30 - 100	AB3000NLB/PR4	243	61	600	9 000
	16	8 500	F30 - 100	AB3000NLB/PR6	348	87	600	11 000
1 400	10	12 500	F30 - 100	AB6800N	468	117	500	17 000
	16	14 500	F35 - 157	A200N	729	182	600	26 000
1 600	10	15 500	F35 - 157	A200N	729	182	600	26 000
	16	17 500	F40 - 157	A250N	729	182	600	32 000
1 800	10	25 000	F40 - 157	A250N	729	182	600	32 000
	16	32 500	F48 - 157	IW82	360	90	800	37 000

OPERATION WITH HANDWHEEL

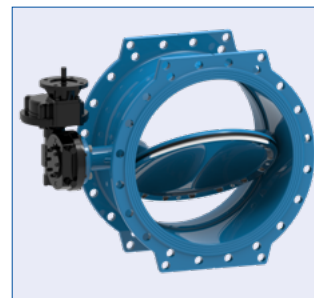
OPTIONAL GEARBOX, ANTI-CLOCKWISE CLOSING AND/OR IP68



DN	PN	Torque at shaft Nm	Connection ISO 5211 - Shaft Ø mm	Gearbox size	Ratio:1	Number of turns	Handwheel Ø mm	Max. input torque at gearbox Nm
300	10	610	F10 - 28	AB550N	34	9	300	1 000
	16	760	F12 - 28	AB550N	34	9	300	1 000
350	10	650	F12 - 28	AB550N	34	9	300	1 000
	16	850	F12 - 36	AB550N	34	9	300	1 000
400	10	740	F12 - 36	AB550N	34	9	300	1 000
	16	930	F14 - 42	AB880N	38	10	400	2 000
450	10	1 000	F14 - 42	AB880N	38	10	400	2 000
	16	1 200	F14 - 42	AB880N	38	10	400	2 000
500	10	1 420	F14 - 42	AB880N	38	10	400	2 000
	16	1 780	F14 - 50	AB880N	38	10	400	2 000
600	10	1 710	F14 - 50	AB1250N	55	14	400	3 250
	16	2 140	F16 - 60	AB1250N	55	14	400	3 250
700	10	2 770	F16 - 60	AB1250N	55	14	400	3 250
	16	3 250	F16 - 72	AB2000N	109	27	500	4 500
800	10	3 520	F16 - 72	AB2000N	109	27	500	4 500
	16	4 400	F25 - 80	AB2000NLB	109	27	500	4 500
900	10	4 500	F25 - 80	AB2000NLB	109	27	500	4 500
	16	5 250	F25 - 80	AB1950N	217	54	600	7 000
1000	10	5 500	F25 - 80	AB1950N	217	54	600	7 000
	16	7 500	F30 - 100	AB3000NLB/PR4	243	61	600	9 000
1200	10	7 000	F30 - 100	AB3000NLB/PR4	243	61	600	9 000
	16	8 500	F30 - 100	AB3000NLB/PR6	348	87	600	11 000
1400	10	12 500	F30 - 100	AB6800N	468	117	500	17 000
	16	14 500	F35 - 157	A200N	729	182	600	26 000
1600	10	15 500	F35 - 157	A200N	729	182	600	26 000
	16	17 500	F40 - 157	A250N	729	182	600	32 000
1800	10	25 000	F40 - 157	A250N	729	182	600	32 000
	16	32 500	F48 - 157	IW82	360	90	800	37 000

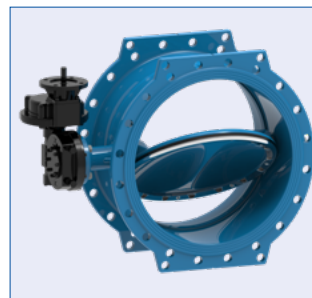
GEARBOX AND ACTUATOR SIZING

GEARBOX PREPARED FOR ELECTRIC ACTUATOR



DN	PN	Torque at shaft Nm	Connection ISO 5211 at valve - Shaft Ø mm	Connection ISO 5210 at gearbox - Shaft Ø mm	Gearbox size (Rotork)	Handwheel Ø mm	Ratio:1	Number of turns	Mechanical Advantage	Torque at gearbox Nm	Max. motorized input torque Nm	Required torque at gearbox Nm
300	10	610	F10 - 28	F10 - 15	IW3	300	40	10	15	1 085	72	41
	16	760	F12 - 28	F10 - 17	IW4	200	70	18	23	2 034	88	33
350	10	650	F12 - 28	F10 - 15	IW3	300	40	10	15	1 085	72	43
	16	850	F12 - 36	F10 - 17	IW4	200	70	18	23	2 034	88	37
400	10	740	F12 - 36	F10 - 17	IW4	300	70	18	23	2 034	88	32
	16	930	F14 - 42	F10 - 17	IW4	300	70	18	23	2 034	88	40
450	10	1 000	F14 - 42	F10 - 17	IW4	300	70	18	23	2 034	88	43
	16	1 200	F14 - 42	F10 - 20	IW4	300	80	20	29	2 440	84	41
500	10	1 420	F14 - 42	F10 - 20	IW4	300	80	20	29	2 440	84	49
	16	1 780	F14 - 50	F10 - 20	IW4	300	120	30	43	2 617	61	41
600	10	1 710	F14 - 50	F10 - 20	IW4	300	120	30	43	2 617	61	40
	16	2 140	F16 - 60	F10 - 20	IW5	300	160	40	65	4 447	68	33
700	10	2 770	F16 - 60	F10 - 20	IW5	300	160	40	65	4 447	68	43
	16	3 250	F16 - 72	F10 - 20	IW5	300	160	40	65	4 447	68	50
800	10	3 520	F16 - 72	F10 - 20	IW52	300	200	50	81	5 334	66	43
	16	4 400	F25 - 80	F10 - 20	IW6	300	280	70	88	9 924	113	50
900	10	4 500	F25 - 80	F10 - 20	IW6	300	280	70	88	9 924	113	51
	16	5 250	F25 - 80	F10 - 20	IW6	300	280	70	88	9 924	113	60
1000	10	5 500	F25 - 80	F10 - 20	IW6	300	350	88	110	9 924	90	50
	16	7 500	F30 - 100	F10 - 20	IW6	300	420	105	132	9 924	75	57
1200	10	7 000	F30 - 100	F10 - 20	IW7	300	480	120	189	15 253	81	37
	16	8 500	F30 - 100	F10 - 20	IW72	600	360	90	142	20 000	141	60
1400	10	12 500	F30 - 100	F10 - 20	IW72	600	360	90	142	20 000	141	88
	16	14 500	F35 - 157	F10 - 20	IW8	600	480	120	189	26 031	138	77
1600	10	15 500	F35 - 157	F10 - 20	IW8	600	480	120	189	26 031	138	82
	16	17 500	F40 - 157	F14 - 30	IW82	1 000	360	90	142	37 000	261	123
1800	10	25 000	F40 - 157	F14 - 30	IW82	1 000	360	90	142	37 000	261	176
	16	32 500	F48 - 157	F14 - 30	IW82	1 000	360	90	142	37 000	261	229

OPERATION WITH ELECTRIC ACTUATOR



DN	PN	Rotork actuator size	Rotork speed RPM	Operating time Rotork s	Actuator torque Rotork Nm	Motorized output torque Rotork Nm	Auma actuator size	Auma speed RPM	Operating time Auma s	Actuator torque Auma Nm	Motorized output torque Auma Nm
300	10	CK60	24	25	60	900	SA 07.6	32	19	60	900
	16	CK60	24	44	60	1 380	SA 07.6	63	17	60	1 380
350	10	CK60	24	25	60	900	SA 07.6	32	19	60	900
	16	CK60	24	44	60	1 380	SA 07.6	63	17	60	1 380
400	10	CK60	24	44	60	1 380	SA 07.6	63	17	60	1 380
	16	CK60	24	44	60	1 380	SA 07.6	63	17	60	1 380
450	10	CK60	24	44	60	1 380	SA 07.6	63	17	60	1 380
	16	CK60	24	50	60	1 740	SA 07.6	63	19	60	1 740
500	10	CK60	24	50	60	1 740	SA 07.6	63	19	60	1 740
	16	CK60	24	75	60	2 580	SA 07.6	63	29	60	2 580
600	10	CK60	24	75	60	2 580	SA 07.6	63	29	60	2 580
	16	CK60	24	100	60	3 900	SA 07.6	90	27	60	3 900
700	10	CK60	24	100	60	3 900	SA 07.6	90	27	60	3 900
	16	CK60	24	100	60	3 900	SA 07.6	90	27	60	3 900
800	10	CK60	24	125	60	4 860	SA 07.6	90	33	60	4 860
	16	CK60	24	175	60	5 280	SA 07.6	90	47	60	5 280
900	10	CK60	24	175	60	5 280	SA 07.6	90	47	60	5 280
	16	CK60	24	175	60	5 280	SA 07.6	90	47	60	5 280
1 000	10	CK60	24	219	60	6 600	SA 07.6	90	58	60	6 600
	16	CK60	24	263	60	7 920	SA 07.6	90	70	60	7 920
1 200	10	CK60	24	300	60	11 340	SA 07.6	90	80	60	11 340
	16	CK120	24	225	120	17 040	SA 07.6	90	60	60	8520
1 400	10	CK120	24	225	120	17 040	SA 10.2	90	60	120	17 040
	16	CK120	24	300	120	22 680	SA 10.2	90	80	120	22 680
1 600	10	CK120	24	300	120	22 680	SA 10.2	90	80	120	22 680
	16	CK250	24	225	250	35 500	SA 14.2	63	86	250	35 500
1 800	10	CK250	24	225	250	35 500	SA 14.2	63	86	250	35 500
	16	CK250	24	225	250	35 500	SA 14.2	63	86	250	35 500



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