

butterfly valve, liner PTFE/silicone series BUW4, BULC, BULD

Max working pressure:

BVTT/BLTT DN 50÷400: **10 Bar**
 Flange: **PN 10-16-A150**

BVTT/BLTT DN 500: **6 Bar**
 Flange: **PN 10-16-A150**

To be used for vacuum (not with PTFE disc)

Design:

EN 593 ~ EN 736 ~ EN 12516 ~ EN 1092
 ISO 5211 ~ DIN 3337 ~ API 609
 PED 97/23/EC (cat III) Mod H

Face to face:

DIN EN 558-1 Series 20 ~ ISO 5752 Series 20
 BS-5155 Series 4 ~ MSS-SP67
 API 609 cat. A ~ NFE 29305-1

Testing:

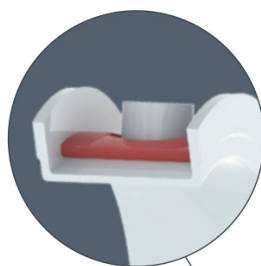
EN 12266-1 Rate A ~ ISO 5208 Rate A
 DIN 3230 ~ API 598

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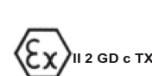
EN 19 ~ MSS SP-25



Alle the valves are supplied with a metallic label in compliance with PED directive.



The thickness of the PTFE body seat varies from 2,5 to 3 mm depending on the position



BODY

material	references	standard coating	lug	wafer
Ductile iron (wafer, lug)	EN-GJS 400-15 (GS400)	Epoxy RAL 5009	50-500	50-500
Carbon steel (wafer)	ASTM A216-WCB	Epoxy RAL 9005	-	50-500
Stainless steel (wafer)	ASTM A351 CF8M (A316)	-	-	50-500

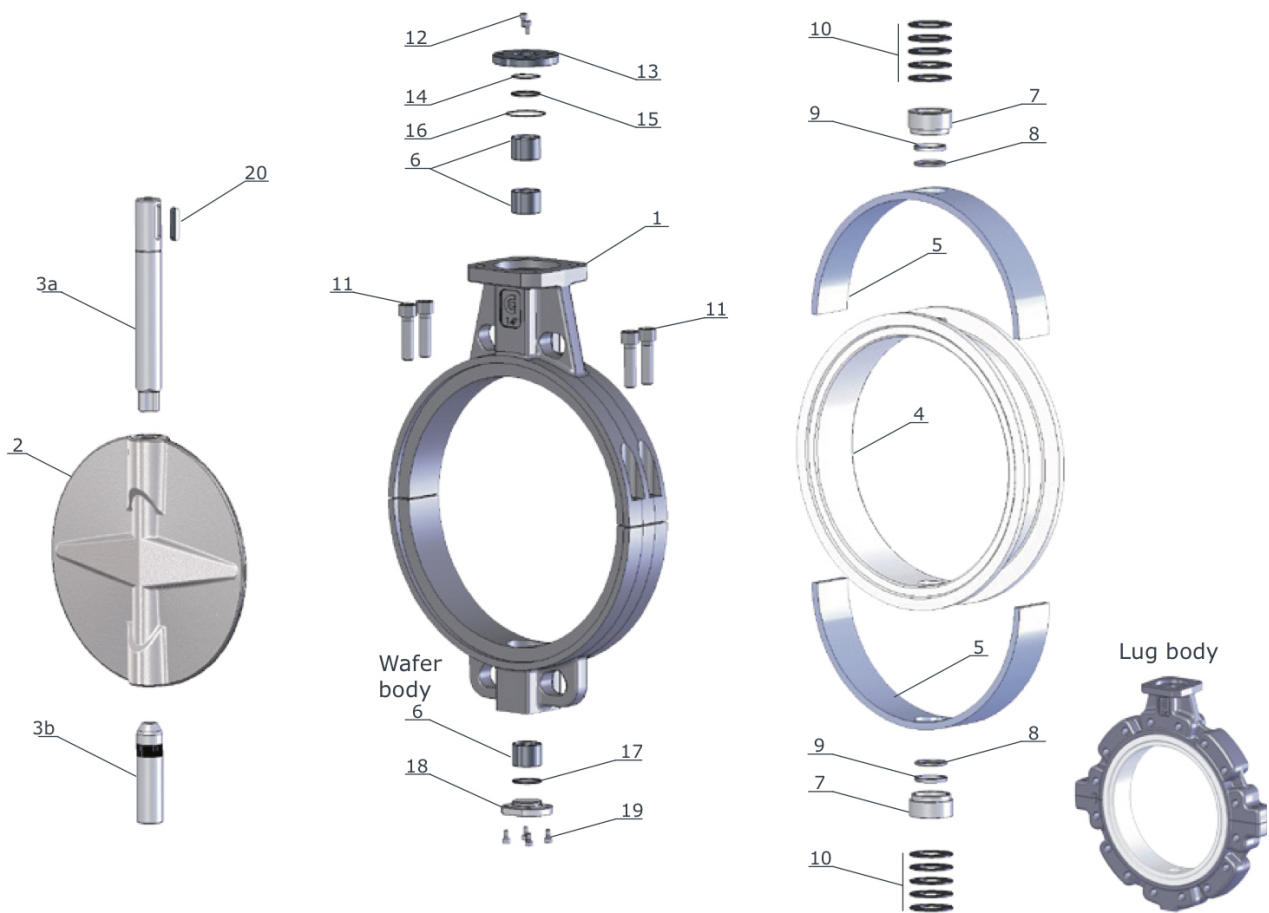
DISC

material	references	standard coating	coating on request	DN
Stainless steel	ASTM A351 CF8M (A316)	-	HALAR®	50-500
Stainless steel	ASTM A564 Type 630	PTFE	-	50-300
Hastelloy®	ASTM A494 CX2MW	-	-	50-500
Monel®	ASTM A494 M35-1	-	-	50-500

BODY SEAT

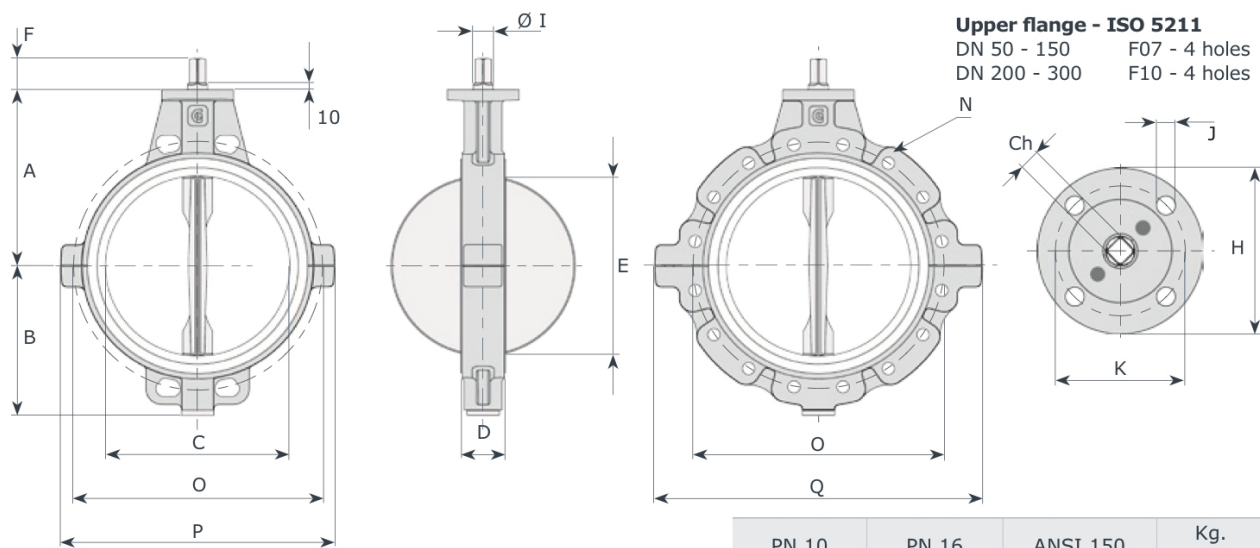
ref.	designation	trade name	working temp.	applications
PTFE	polytetrafluoroethylene	TEFLON®	-60°C / +190°C	acids, foods, solvents

On request can be supplied other materials as: LCB, Hastelloy, Monel, Uranus, Alloy, DUPLEX, Special steels, Special bronzes.
 Coating on request: RILSAN®, Halar®, Chenisil®



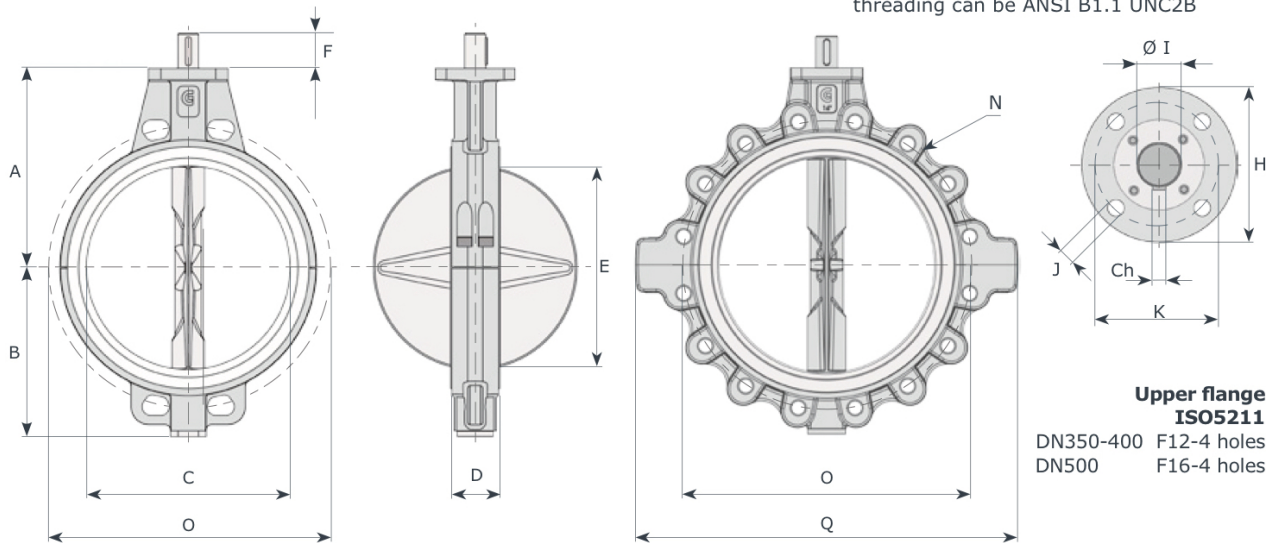
item	q.ty	part	material	item	q.ty	part	material
1	1	body	- ductile iron GS400 - A216 - WCB - A351 - CF8M (AISI 316)	11	4	screw	- zinc plated steel - AISI 316 (body AISI 316)
2	1	body	- A351 - CF8M (AISI 316) - HALAR® (on request)	12	2	screw	- zinc plated steel - AISI 316 (body AISI 316)
3a	1	upper shafts	AISI 316	13	1	upper flange	- zinc plated steel - AISI 316 (body AISI 316)
3b	1	lower shafts	AISI 316	14	1	O.Ring	FKM (VITON®)
4	1	body seat	PTFE	15	1	stop ring	steel
5	1	elastic support	silicon	16	1	O.Ring	FKM (VITON®)
6	3	bush shaft	A105 + PTFE	17	1	O.Ring	FKM (VITON®)
7	2	housing	AISI 316	18	1	lower flange	- zinc plated steel - AISI 316 (body AISI 316)
8	2	O. Ring	FEP + FKM (VITON®)	19	4	screw	- zinc plated steel - AISI 316 (body AISI 316)
9	2	C. Ring	PTFE	20	1	key	steel C40
10	2	springs set	steel				

◇ parts included in spare kit



DN	"	A	B	C	D	E	F	Ø I	Ch	H	K	J	P	Q	PN 10			PN 16			ANSI 150			Kg.	
															N	n.	O	N	n.	O	N	n.	O	wafer	lug
50	2	138	81	55	43	35	34	14	11	90	70	9	165	165	M16	4	125	M16	4	125	M16	4	120.6	3.4	3.9
65	2 1/2	144	98	68	46	50	34	14	11	90	70	9	186	186	M16	8	145	M16	8	145	M16	4	139.7	4.1	4.7
80	3	158	110	81	46	67	34	14	11	90	70	9	196	242	M16	8	160	M16	8	160	M16	4	152.4	4.4	7.6
100	4	173	128	101	52	87	34	16	11	90	70	9	220	270	M16	8	180	M16	8	180	M16	8	190.5	6.8	8.4
125	5	186	140	126	56	113	34	18	14	90	70	9	250	297	M16	8	210	M16	8	210	M20	8	215.9	8.8	11.2
150	6	202	155	150	56	140	34	18	14	90	70	9	278	321	M20	8	240	M20	8	240	M20	8	241.3	10.5	12.9
200	8	240	190	200	60	191	38	22	17	125	102	11	355	420	M20	8	295	M20	12	295	M20	8	298.4	15.2	25.0
250	10	270	220	250	68	241	38	30	22	125	102	11	398	472	M20	12	350	M24	12	355	M22	12	361.9	24.5	30.0
300	12	300	247	298	78	289	38	30	22	125	102	11	455	540	M20	12	400	M24	12	410	M22	12	431.8	32.0	45.0

Note: in case of ANSI 150 flanges,
 threading can be ANSI B1.1 UNC2B



DN	"	A	B	C	D	E	F	Ø I	Ch	H	K	J	Q	PN10			PN16			ANSI150			kg.	
														N	n.	O	N	n.	O	N	n.	O	wafer	lug
350	14	330	280	341	78	332	60	35	10	150	125	14	600	M20	16	460	M24	16	470	M24	12	476	54	73
400	16	355	305	390	102	376	60	40	12	150	125	14	690	M24	16	515	M27	16	525	M27	16	539	68	104
500	20	422	366	485	127	468	60	45	12	210	165	22	820	M24	20	620	M30	20	650	M27	20	635	149	179

Gearboxes

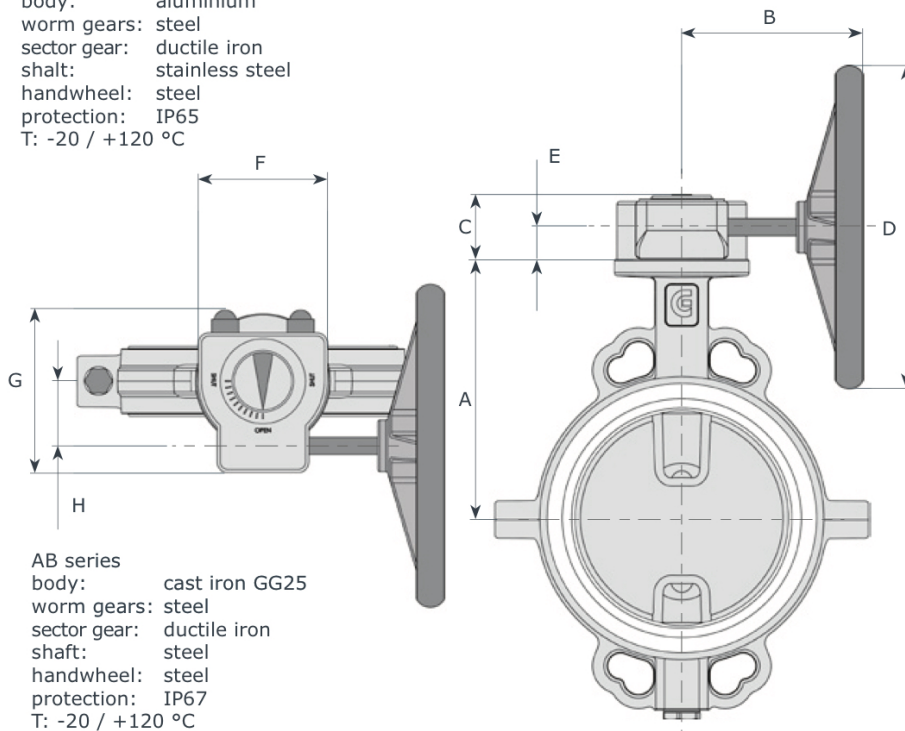
Aluminium body - HW Series

Cast Iron body - AB Series

HW series

body: aluminium
worm gears: steel
sector gear: ductile iron
shaft: stainless steel
handwheel: steel
protection: IP65
T: -20 / +120 °C

low/high temperature execution on request

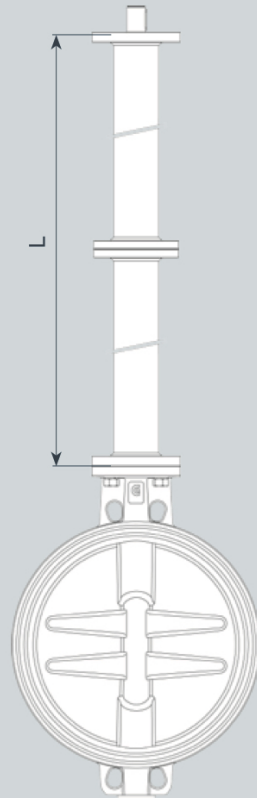


AB series
body: cast iron GG25
worm gears: steel
sector gear: ductile iron
shaft: steel
handwheel: steel
protection: IP67
T: -20 / +120 °C

Waterproof valve shaft extension

When necessary, it's possible to extend the valve shaft as indicated in the figure. Construction is in carbon steel with protective paint (on request stainless steel).

"L" measure should be indicated when ordering.



Our technical department is available to solve special applications.

Dimensions

Mod. HW	B	C	D	E	F	G	H		Kg
HW 070	160	48	140	27	80	115	42		1.6
HW 102	215	56	250	33	120	150	60		3
HW 140	325	95	400	51	185	225	80		10
HW 165	395	105	600	61	230	268	105		20
Mod.	B	C	D	E	F	G	H	I	Kg
AB150	157.5	55	125	27	80	124	43	58	2.2
AB215	217	63	200	29	102	128	52	48	3.5
AB550	282	88	300	41	138	174	71	69	8.5
AB880	282	93	400	42	200	226	86	100	14
AB1250	322	102	500	48	220	258	105	110	22
AB1950	425	126	600	55	285	323	130	143	32
AB195-PR4	398	126	600	55	285	323	130	143	39
AB680-PR4	451	159	600	59	370	407	182	170	62.5
AB680-PR6	451	159	600	59	370	407	182	170	64.2

Coupling valve - actuators

DN	"	mod. HW 10 bar	mod. AB 10 bar	A	DN	"	mod. HW 10 bar	mod. AB 10 bar	A
50	2	HW070	AB150	138	200	8	HW102	AB215	240
65	2 ^{1/2}	HW070	AB150	144	250	10	HW102	AB550	270
80	3	HW070	AB150	158	300	12	HW102	AB550	300
100	4	HW070	AB150	173	350	14	HW140	AB880	330
125	5	HW070	AB150	186	400	16	HW140	AB880	355
150	6	HW070	AB150	202	500	20	HW165	AB880	422

illustrations are for information only and are non-binding
all designs, configurations, measurements and materials are subject to change without prior notice