BELGIUM VENTIEL®

BUTTERFLY VALVE
BV12 - LUG

Belgium Ventiel NV Tel.: +32(0)15/29.40.70 - Fax.: +32(0)15/20.14.13 - E-mail: info@belven.com - www.belgiumventiel.com

CE PED 97/23/EC

ISO 9002 SGS

VER. BV\TF\01.01.0

BV12 LUG

MAX. WORKING PRESSURE

Max. working pressure:	16.0 bar
Hydraulic body test:	24.0 bar
Hydraulic seat test:	17.8 bar
AISI 316 stem execution:	10.0 bar

TEMPERATURE RANGE:

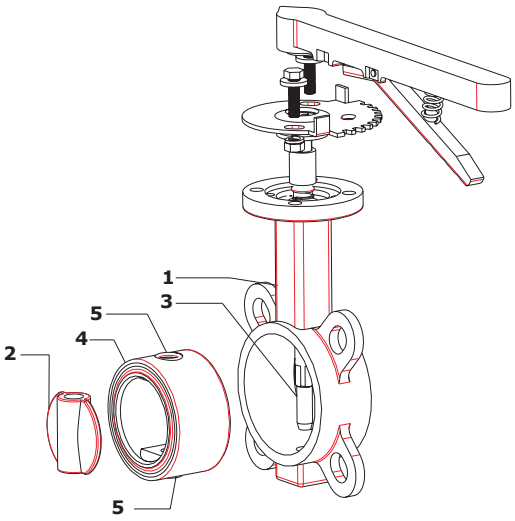
EPDM:	-20°C +120°C
BUNA:	-10°C + 90°C
VITON:	-10°C +170°C

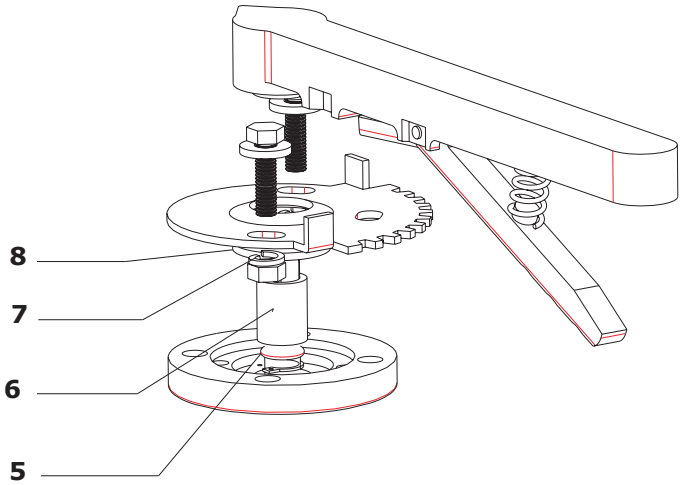
TECHNICAL SPECIFICATIONS:

Face to face according to EN558 - BS5155 - ISO5752 - API609
Long neck execution
Lug- type with threaded holes - Type BV12
1-piece continuous stemdesign “anti blow-out” system
Internal stem/disc junction
Mounting topflange according to ISO 5211
Mounting between flanges DIN PN6/10/16, ANSI 150 and some JIS.K10
Exchangeable seat vulcanised on hard centre - type Back-up - with 2 lay-in O-rings (top and bottom)
Epoxy coating - thickness minimal 200 micron

APPLICATION:

Cold and warm water, clean, waste and salt water, oil, granulates, etc...
Gasses (compressed air, natural gas, etc...)





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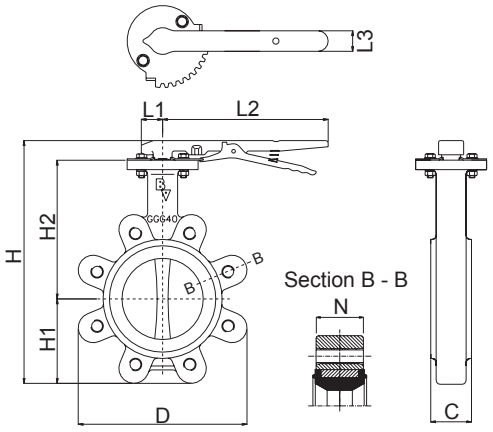
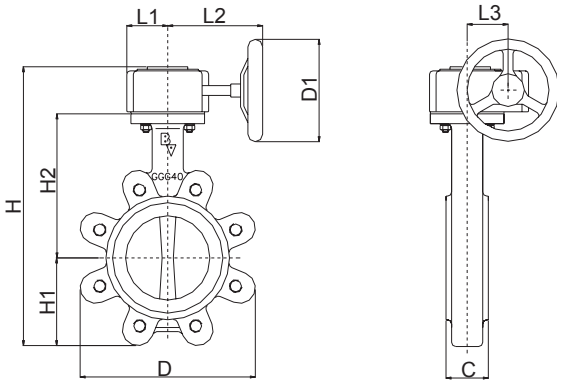


DN	D	H	H1	H2	N	L1	L2	L3	C	KG
50	165	233	65	140	37	28	185/260	26	43	4.7
65	185	253	72	153	40	28	185/260	26	46	5.5
80	200	280	94	158	40	28	185/260	26	46	6.9
100	228	312	108	176	42	28	185/260	26	52	8.4
125	245	339	120	191	46	28	185/260	26	56	9.5
150	285	367	136	203	46	28	185/260	26	56	11.7
200	343	447	165	244	48	45	350	35	60	19.9
250	406	513	202	273	58	45	350	35	68	29.0
300	483	584	235	311	64	45	350	35	78	44.5



DN	D	D1	H	H1	H2	L1	L2	L3	C	KG
50	165	100	251	65	140	40	95	42	43	4.6
65	185	100	271	72	153	40	95	42	46	5.4
80	200	100	298	94	158	40	95	42	46	6.8
100	228	125	342	108	176	50	107	50	52	9.2
125	245	125	369	120	191	50	107	50	56	10.3
150	285	125	397	136	203	50	107	50	56	12.4
200	343	200	482	165	244	73	170	60	60	21.4
250	406	200	548	202	273	73	170	60	68	30.5
300	483	315	619	235	311	73	170	60	78	45.8

STANDARD EXECUTION

N°	DESCRIPTION	BV10-2327E	BV10-2366E	BV10-2313B
1	BODY	GG25/EPOXY	GG25/EPOXY	GG25/EPOXY
2	DISC	GGG40/RILSAN	AISI 316	ALU-BRONZE
3	STEM	AISI 420	AISI 420	AISI 316
4	SEAT	EPDM	EPDM	BUNA
5	O-RING	EPDM	EPDM	BUNA
6	BUSHING	POLYAMIDE	POLYAMIDE	POLYAMIDE
7	CIRCLIP	STEEL	STEEL	STEEL
8	RETAINER	ZINC PLATED STEEL	ZINC PLATED STEEL	ZINC PLATED STEEL

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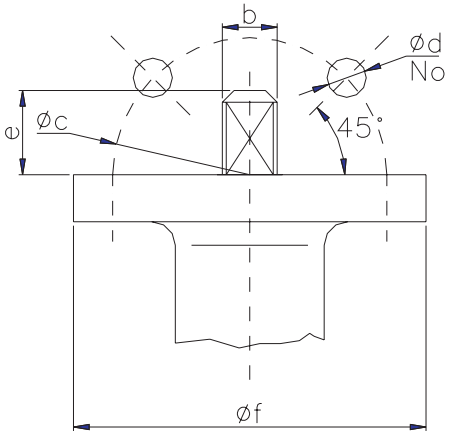
ISO - TOP FLANGE



DN	b	c	e	f	d	n°
32	11	F05-50 / F07-70	22	90	7/10	4
40	11	F05-50 / F07-70	22	90	7/10	4
50	11	F05-50 / F07-70	22	90	7/10	4
65	11	F05-50 / F07-70	22	90	7/10	4
80	11	F05-50 / F07-70	22	90	7/10	4
100	14	F07-70	22	90	10	4
125	14	F07-70	22	90	10	4
150	14	F07-70	22	90	10	4
200	17	F10-102	34.5	150	12	4
250	22	F10-102	34.5	150	12	4
300	27	F12-125	34.5	150	14	4

TORQUES

Torque testing conditions: Water 20°C-EPDM seat.
Values are average in Nm, we advice to add at least 30% to the net value to calculate actuators.

DN	32	40	50	65	80	100	125	150	200	250	300
3 bar	6.00	6.00	12.50	12.75	15.25	30.50	40.50	66.50	94.50	153.00	176.00
6 bar	7.00	7.00	13.75	15.00	17.00	34.25	41.25	72.75	106.30	153.00	198.00
10 bar	7.00	7.00	14.50	15.25	17.00	36.50	46.25	76.25	117.50	162.00	236.30
16 bar	9.00	9.00	15.50	17.00	18.50	41.25	59.25	102.50	153.80	231.30	285.00

KV - VALUES

DN	90°	80°	70°	60°	50°	40°	30°	20°
32	69	60	39	22	16	9.5	4.3	2.6
40	69	60	39	22	16	9.5	4.3	2.6
50	130	104	65	45	29	16	10	5
65	227	178	117	81	49	29	16	8
80	356	292	185	123	78	45	26	13
100	583	470	305	204	130	75	39	21
125	1037	826	535	356	327	227	130	36
150	1523	1215	794	535	340	194	113	54
200	2560	2041	1328	891	567	324	178	90
250	4050	3240	2106	1426	891	502	275	140
300	5832	4666	3029	2041	1280	729	405	210

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