



150 JIS10K PN6 PN10 PN16 ANSI150 JIS10K PN6 PN10
5 YEARS EXPERIENCE

BV¹⁰₁₂



Airtec Pneumatic Engineering BV - Rutgershof 4 - NL 8161 TB Epe
Telefoon: (+31) 0578 - 62 78 66 - Fax: (+31) 0578 - 62 78 39 - Email: info@airtec.nl

airtec.nl



BACK-UP SEAT - BVY

TECHNICAL SPECIFICATIONS

- Face to face following DIN 3202/K1 - BS5155 - ISO 5752 - API 609
- Long neck execution
- Wafer type with 4 centre holes : Type BV10
- Lug type with threaded holes : Type BV12
- Actuator mounting flange following ISO 5211
- Mounting between flanges DIN PN6/10/16, ANSI 150 and some JIS10K
- Exchangeable seat vulcanised on hard centre - Type back-up
- Two piece stem
- CE/PED Approved

TFM LINED

TECHNICAL SPECIFICATIONS

- Face to face following DIN 3202/K1 - BS5155 - ISO 5752 - API 609
- Long neck execution
- Wafer type with 2 centre holes : Type BV10
- Lug type with threaded holes : Type BV12
- Actuator mounting flange following ISO 5211
- Mounting between flanges DIN PN6/10/16, ANSI 150
- Two piece body in GGG40.3
- Disc and stem in one piece design
- Min. 3 mm PFA covering to obtain good corrosion and diffusion resistance
- Min. 3 mm TFM liner, vacuumtight
- Elastic elastomers obtain gastightness
- Wide TFM Flangesealing area
- Leakagefree sealing by constant pressure of belleville rings
- Maintenance free stem bearing





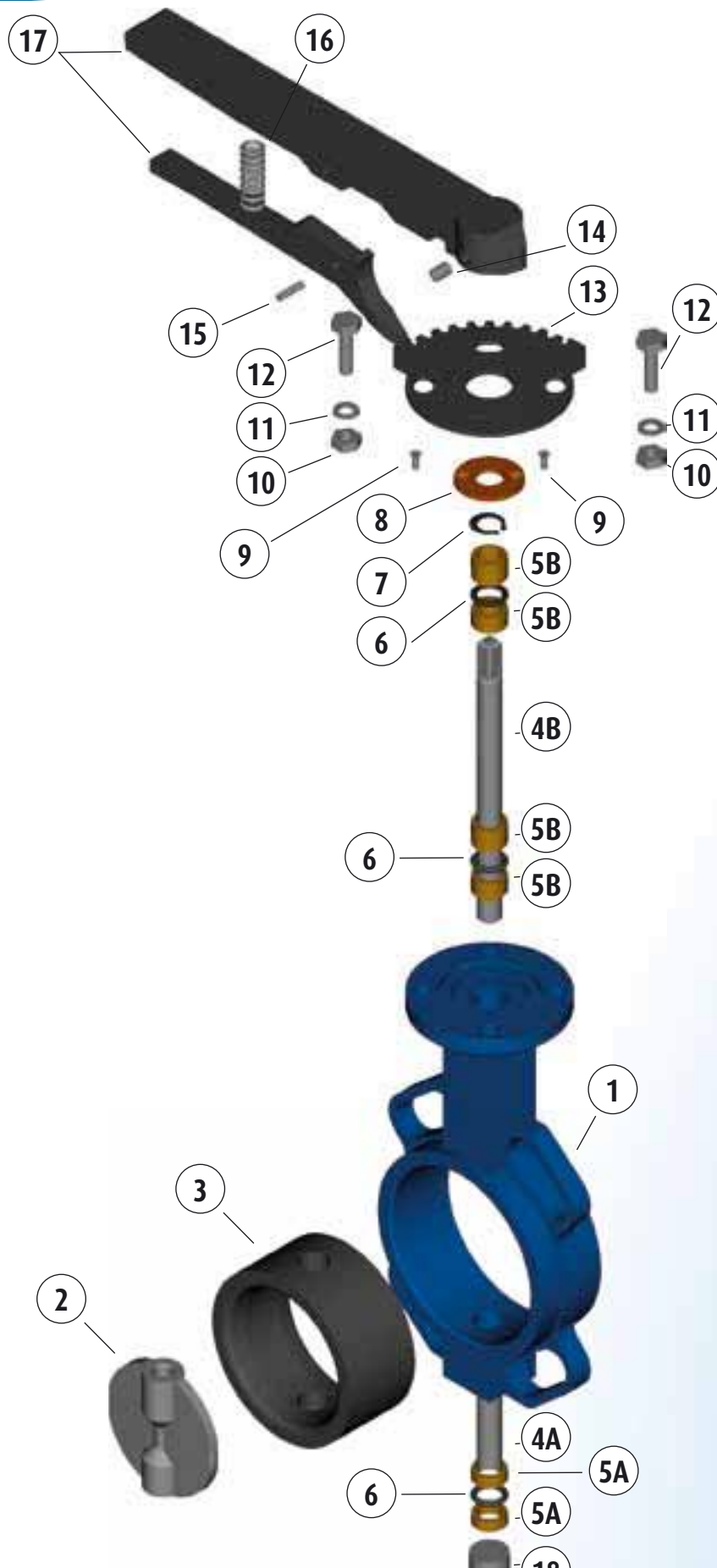
SOFT SEAT - NP

TECHNICAL SPECIFICATIONS

- Face to face following DIN 3202/K1 - BS5155 - ISO 5752 - API 609
- Long neck execution
- Wafer type with 4 centre holes : Type BV10
- Lug type with threaded holes : Type BV12
- Actuator mounting flange following ISO 5211
- Mounting between flanges DIN PN6/10/16, ANSI 150 and some JIS10K
- suitable for installation between flanges according to DIN 2641/2642
- Soft seat
- 1 piece continuous stem as 'anti-blow out system'
- stable and low proven torque value for automation
- optional lockable lever
- The 'SF system' that allows tightness of seal into body
- extra stem bushing
- extra PTFE layered bushing at both ends of the stem

PARTLIST BVY

BV10 BV12 BV10 BV12 | BV10 BV12 BV10 BV12 | BV10 BV12 BV10 BV12 | BV10 BV12 BV10 BV12



POS	PART NAME	POS	PART NAME
1	BODY	9	SCREW PLUG
2	DISC	10	NUT
3	SEAT	11	SPRING WASHER
4A	DOWN SHAFT SS416	12	BOLT
4B	UP SHAFT SS416	13	NOTCHPLATE
5A	BOTTOM BUSHING	14	LEVER SCREW
5B	TOP BUSHING	15	PIN
6	O-RING	16	SPRING
7	CIRCLIP	17	LEVER MALLABLE IRON
8	RETAINER PLATE	18	SCREW PLUG

OUR BVY STANDARD TYPES...

Type		BODY	DISC	SEAT	BV10	BV12
BV10- BV12-	2325E	GG25	GGG40 nickle plated	EPDM		x
	2325B	GG25	GGG40 nickle plated	NBR		x
	2327E	GG25	GGG40 Rilsan	EPDM	x	x
	2327B	GG25	GGG40 Rilsan	NBR	x	x
	2313E	GG25	Alu Bronze	EPDM	x	x
	2313B	GG25	Alu Bronze	NBR	x	x
	2366E	GG25	CF8M	EPDM		x
	2366B	GG25	CF8M	NBR		x
	2366V	GG25	CF8M	FPM/FKM		x
	2366T	GG25	CF8M	PTFE		x
	2425E	GGG40	GGG40 nickle plated	EPDM	x	
	2425B	GGG40	GGG40 nickle plated	NBR	x	
	2466E	GGG40	CF8M	EPDM	x	
	2466B	GGG40	CF8M	NBR	x	
	2466V	GGG40	CF8M	FPM/FKM	x	
	2466T	GGG40	CF8M	PTFE	x	
	4466E	WCB	CF8M	EPDM	x	x
	4466B	WCB	CF8M	NBR	x	x
	4466V	WCB	CF8M	FPM/FKM	x	x
	4466T	WCB	CF8M	PTFE	x	x
	6666E	CF8M	CF8M	EPDM	x	x
	6666B	CF8M	CF8M	NBR	x	x
	6666V	CF8M	CF8M	FPM/FKM	x	x
	6666T	CF8M	CF8M	PTFE	x	x

available at stock

production item



(*) = ADR APPROVED

DIMENSIONS BVY

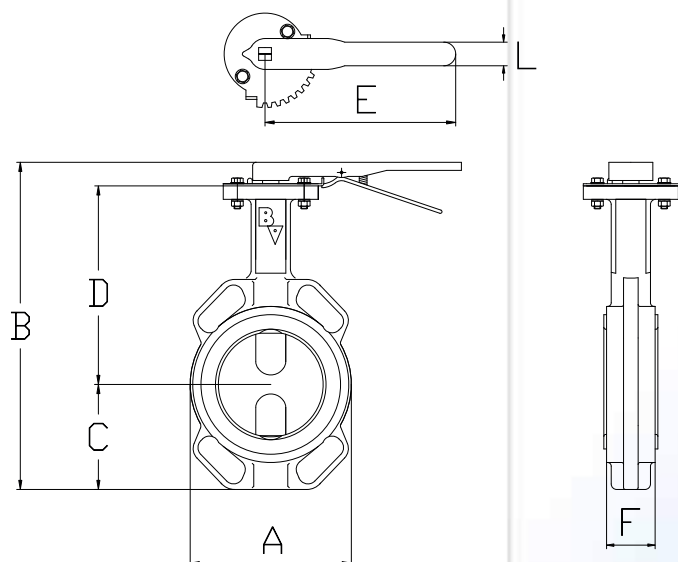
BV10 BV12 BV10 BV12 | BV10 BV12 BV10 BV12 | BV10 BV12 BV10 BV12 | BV10 BV12 BV10 BV12

LEVER OPERATED

					SHORT	STANDARD			
BV10	A	B	C	D	E	E	F	L	KG
SIZE	mm	mm	mm	mm	mm	mm	mm	mm	
50	100,00	236,10	71,40	142,70	166,00	267,00	43,00	30,00	3,00
65	120,00	255,20	77,80	155,40	166,00	267,00	46,00	30,00	3,70
80	127,00	272,80	89,00	161,80	166,00	267,00	46,00	30,00	4,10
100	161,00	302,00	102,00	178,00	166,00	267,00	52,00	30,00	5,60
125	190,00	335,50	123,00	190,50	166,00	267,00	56,00	30,00	7,50
150	215,00	365,20	138,00	205,20	166,00	267,00	56,00	30,00	8,30
200	268,00	439,50	168,00	237,00		358,00	60,00	35,00	13,70
250	325,00	509,80	207,00	268,30		358,00	68,00	35,00	19,50
300	400,00	586,50	243,50	308,50		358,00	78,00	35,00	33,00
350	436,00	706,00	273,00	368,00			78,00		42,50
400	488,00	793,00	318,00	400,00			102,00		52,00
450	539,00	831,00	334,00	422,00			114,00		87,00
500	593,00	937,00	367,00	480,00			127,00		98,00
600	816,00	1133,00	471,00	562,00			154,00		133,00

SIZE DN 32-40 UPON REQUEST

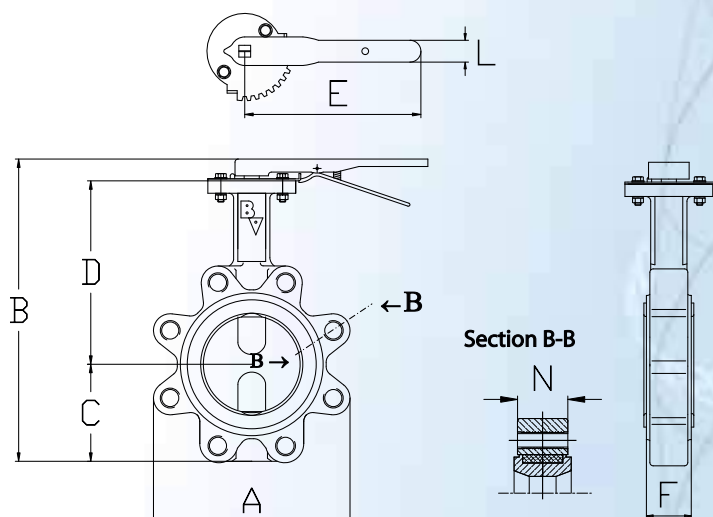
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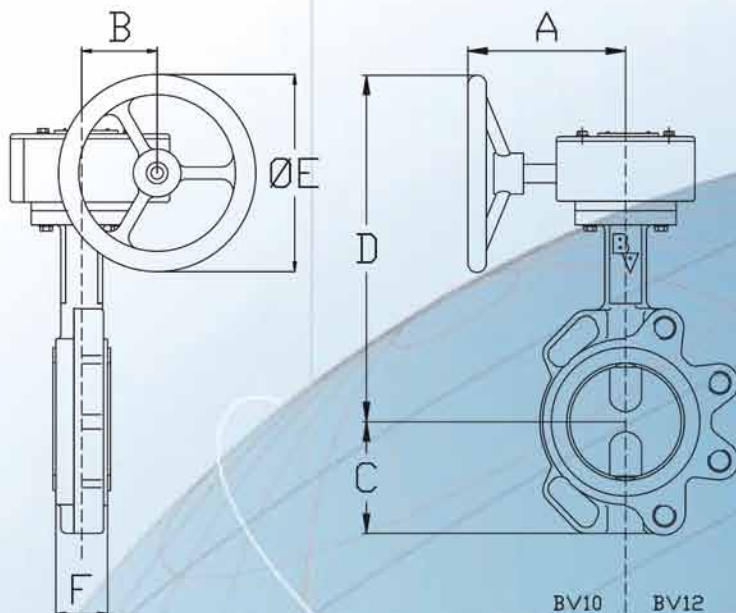


LEVER OPERATED

					SHORT	STANDARD				
BV12	A	B	C	D	E	E	F	L	N	KG
SIZE	mm	mm	mm	mm	mm	mm	mm	mm	mm	
50	119,00	236,10	71,40	142,70	166,00	267,00	43,00	30,00	36,00	4,80
65	137,00	255,20	77,80	155,40	166,00	267,00	46,00	30,00	38,00	5,20
80	179,00	272,80	89,00	161,80	166,00	267,00	46,00	30,00	38,00	5,40
100	207,00	302,00	102,00	178,00	166,00	267,00	52,00	30,00	44,00	9,60
125	239,00	335,50	123,00	190,50	166,00	267,00	56,00	30,00	47,00	12,60
150	267,00	365,20	138,00	205,20	166,00	267,00	56,00	30,00	49,00	13,70
200	330,00	439,50	168,00	237,00		358,00	60,00	35,00	54,00	20,00
250	395,00	509,80	207,00	268,30		358,00	68,00	35,00	57,00	30,00
300	464,00	586,50	243,50	308,50		358,00	78,00	35,00	69,00	50,00
350	515,00	706,00	273,00	368,00			78,00		68,00	72,00
400	580,00	793,00	318,00	400,00			102,00		80,00	90,00
450	630,00	831,00	334,00	422,00			114,00		98,00	111,00
500	700,00	937,00	367,00	480,00			127,00		107,00	123,00
600	824,00	1133,00	471,00	562,00			154,00		130,00	178,00

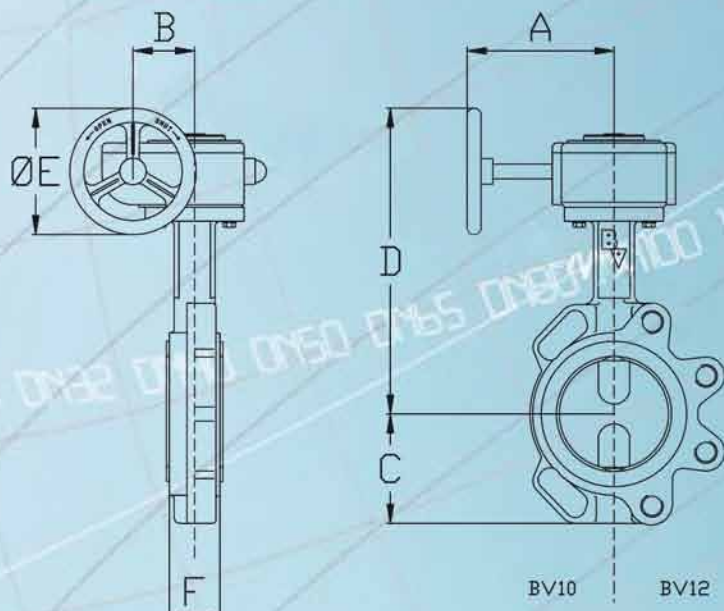
(*) = BARE SHAFT





GEARBOX OPERATED GEARBOX IN GG25

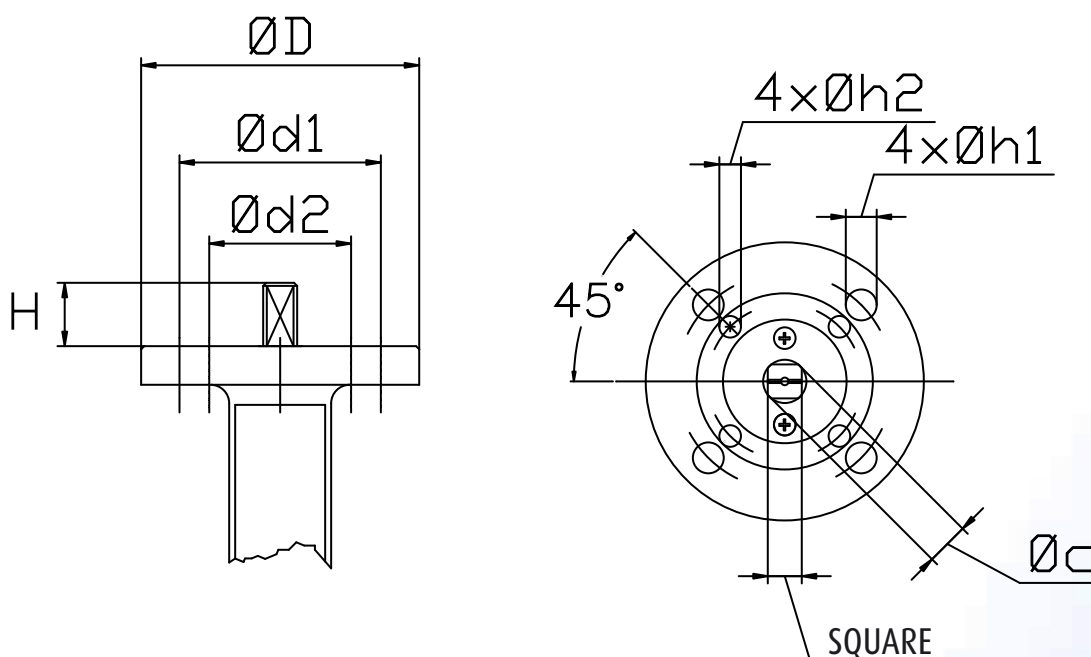
BV10/BV12 SIZE	A mm	B mm	C mm	D mm	E mm	F mm	BV 10 KG	BV 12 KG
50	173,50	45,00	71,40	253,70	150,00	43,00	8,50	10,30
65	173,50	45,00	77,80	266,40	150,00	46,00	9,20	10,70
80	173,50	45,00	89,00	272,80	150,00	46,00	9,60	10,90
100	173,50	45,00	102,00	289,00	150,00	52,00	11,10	15,10
125	173,50	45,00	123,00	301,50	150,00	56,00	13,00	18,10
150	173,50	45,00	138,00	316,20	150,00	56,00	13,80	19,20
200	237,00	63,00	168,00	430,00	300,00	60,00	23,20	29,50
250	237,00	63,00	207,00	461,30	300,00	68,00	29,00	39,50
300	225,00	80,00	243,50	497,50	300,00	78,00	50,50	67,50
350	225,00	80,00	273,00	575,00	300,00	78,00	60,50	90,00
400	292,00	181,00	318,00	685,00	300,00	102,00	82,00	120,00
450	292,00	181,00	334,00	707,00	300,00	114,00	117,00	141,00
500	341,50	200,00	367,00	777,00	300,00	127,00	170,00	195,00
600	341,50	200,00	471,00	849,00	300,00	154,00	205,00	250,00



GEARBOX OPERATED GEARBOX IN ALUMINIUM

BV10/BV12 SIZE	A mm	B mm	C mm	D mm	E mm	F mm	BV 10 KG	BV 12 KG
50	93,00	42,50	71,40	213,70	100,00	43,00	4,80	6,60
65	93,00	42,50	77,80	226,40	100,00	46,00	5,50	7,00
80	93,00	42,50	89,00	232,80	100,00	46,00	5,90	7,20
100	118,00	50,00	102,00	269,50	125,00	52,00	7,40	11,40
125	118,00	50,00	123,00	282,00	125,00	56,00	9,30	14,40
150	118,00	50,00	138,00	296,70	125,00	56,00	10,10	15,50
200	199,00	60,00	168,00	375,50	200,00	60,00	17,00	23,30
250	199,00	60,00	207,00	406,80	200,00	68,00	22,80	33,30
300	199,00	60,00	243,50	447,00	200,00	78,00	36,30	52,80

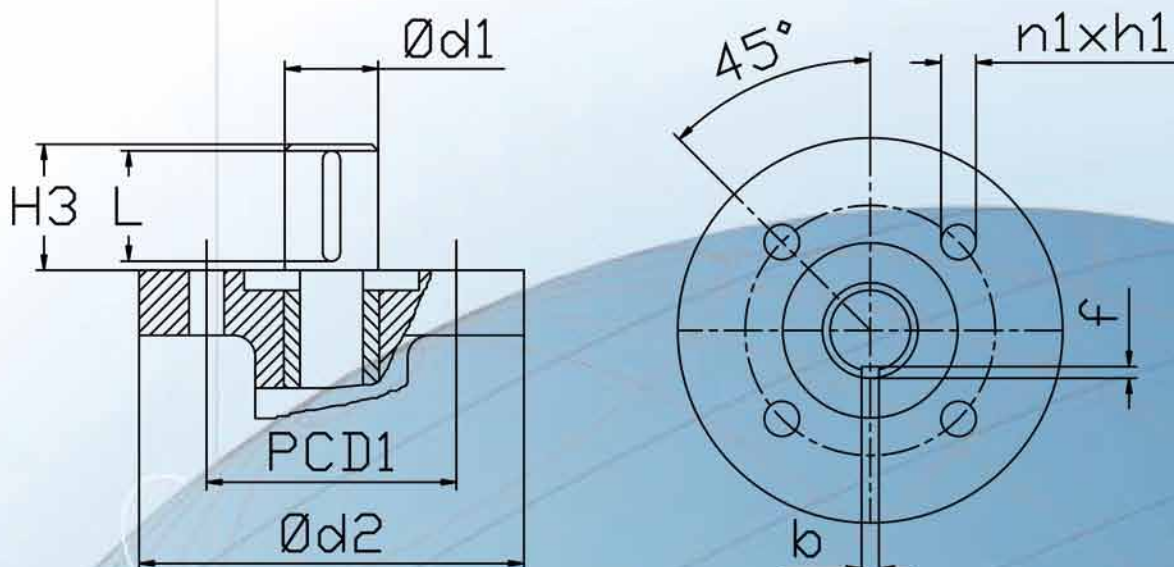
DN 50-300



TOP FLANGE CONNECTION

DN	Ø c	Square	Ød2	Ød1	ØD	H	Øh2	Øh1
50	14	11	F05-50	F07-70	90	22,00	7	10
65	14	11	F05-50	F07-70	90	22,00	7	10
80	14	11	F05-50	F07-70	90	22,00	7	10
100	18	14	-	F07-70	90	22,00	-	10
125	18	14	-	F07-70	90	22,00	-	10
150	18	14	-	F07-70	90	22,00	-	10
200	22	17	-	F10-102	150	34,50	-	12
250	28	22	-	F10-102	150	34,50	-	12
300	36	27	-	F10-102	150	34,50	-	14

DN 350-DN600

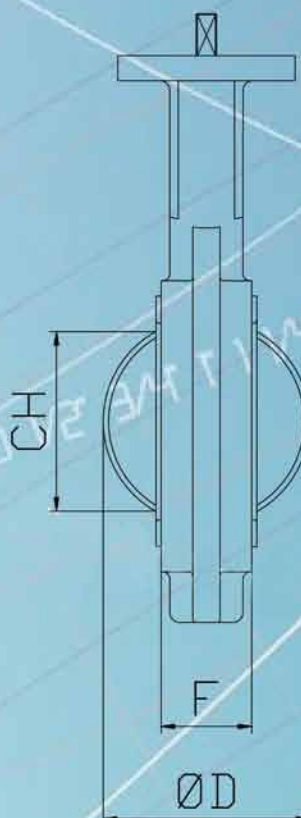


TOP FLANGE CONNECTION

DN	H3	Ød1	PCD1	f	Ød2	L	KEY	b	n1	h1
350	65,00	28,00	140,00	4,20	175,00	61,00	8'7'60	8,00	4,00	18,00
400	75,00	38,00	140,00	5,10	175,00	71,00	12'8'70	12,00	4,00	18,00
450	75,00	38,00	140,00	5,10	175,00	71,00	12'8'70	12,00	4,00	18,00
500	90,00	45,00	165,00	5,70	210,00	81,00	14'9'90	14,00	4,00	22,00
600	100,00	55,00	165,00	5,50	210,00	91,00	14'9'90	14,00	4,00	22,00

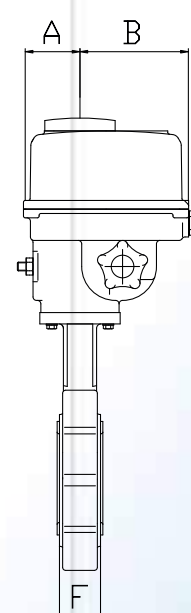
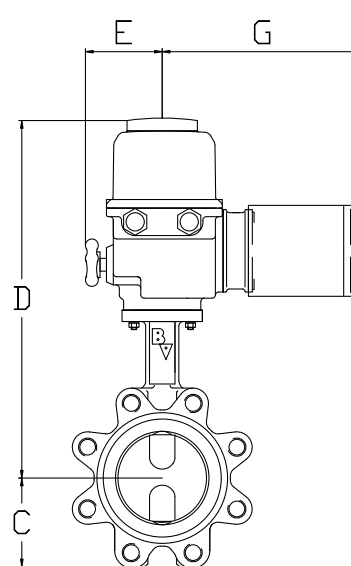
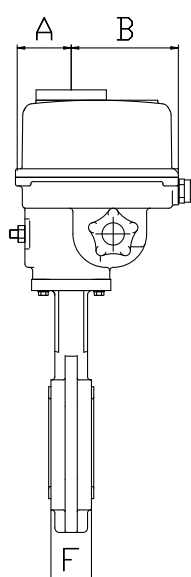
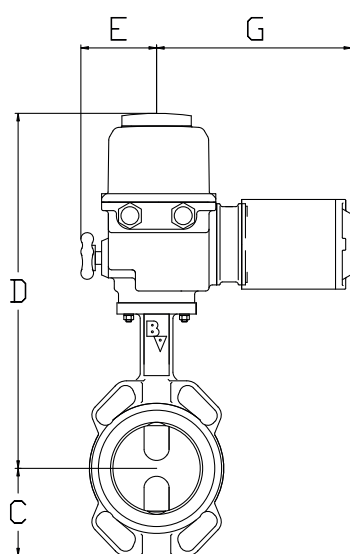
OPEN DISC DIMENSION

DN	Ø	F	CH
50	52,30	43,00	30,00
65	64,10	46,00	45,00
80	78,70	46,00	64,00
100	104,20	52,00	91,00
125	123,40	56,00	111,00
150	155,60	56,00	146,00
200	202,60	60,00	194,00
250	255,60	68,00	242,00



DIMENSIONS BVY

BV10 BV12 BV10 BV12 | BV10 BV12 BV10 BV12 | BV10 BV12 BV10 BV12 | BV10 BV12 BV10 BV12



ELECTRIC OPERATED

IP 67

BV10/BV12	A	B	C	D	E	F	G	BV 10	BV 12
SIZE	mm	mm	mm	mm	mm	mm	mm	KG	KG
50	65,00	125,00	71,40	366,70	116,00	43,00	148,00	8,50	10,30
65	65,00	125,00	77,80	379,40	116,00	46,00	148,00	9,20	10,70
80	65,00	125,00	89,00	385,80	116,00	46,00	148,00	9,60	10,90
100	65,00	125,00	102,00	402,00	116,00	52,00	260,00	11,10	15,10
125	65,00	125,00	123,00	414,50	116,00	56,00	260,00	14,00	19,10
150	89,00	226,00	138,00	382,20	167,00	56,00	312,00	25,80	31,00
200	89,00	226,00	168,00	462,00	169,00	60,00	340,00	30,20	36,50
250	89,00	226,00	207,00	433,30	169,00	68,00	340,00	36,00	46,50
300	89,00	226,00	243,50	564,50	169,00	78,00	340,00	50,50	67,00

ELECTRIC OPERATED

IP 65

BV10/BV12	A	B	C	D	E	F	G	BV 10	BV 12
SIZE	mm	mm	mm	mm	mm	mm	mm	KG	KG
50	65,50	99,50	71,40	277,70	41,50	43,00	76,50	4,10	5,90
65	65,50	99,50	77,80	290,40	41,50	46,00	76,50	4,80	6,30
80	65,50	99,50	89,00	296,80	41,50	46,00	76,50	5,20	6,50
100	90,00	202,00	102,00	362,00	65,00	52,00	125,00	10,10	14,10

PNEUMATIC OPERATED

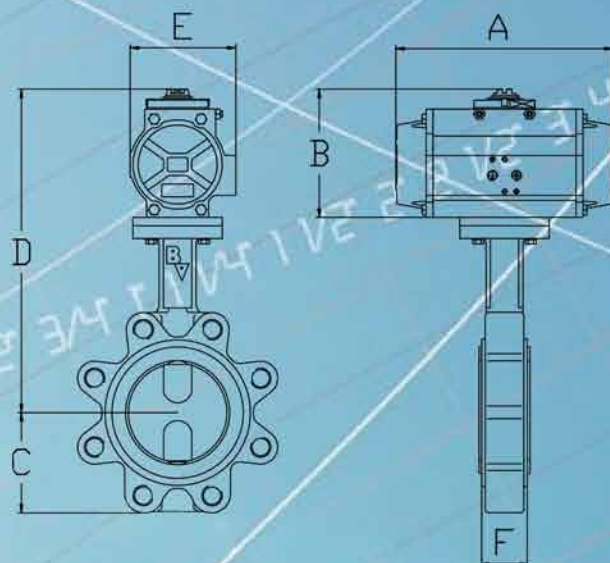
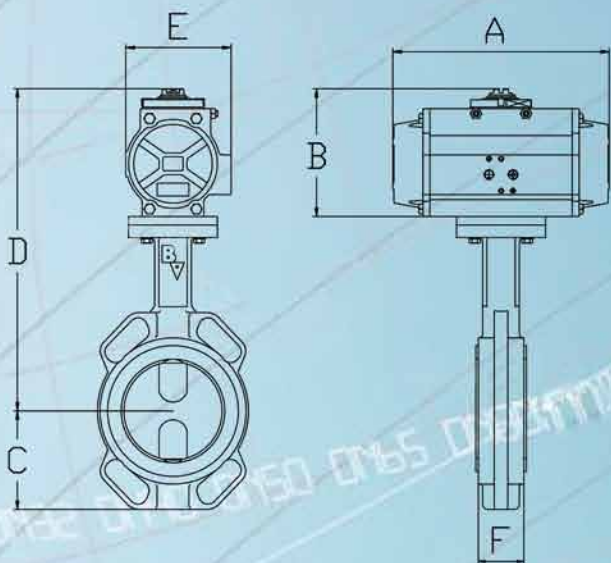
SINGLE ACTING

BV10/BV12 SIZE	A mm	B mm	C mm	D mm	E mm	F mm	BV10 Kg	BV12 Kg
50	207,00	117,00	71,40	100,00	94,50	43,00	5,65	7,95
65	207,00	117,00	77,80	120,00	94,50	46,00	6,35	8,35
80	237,50	128,50	89,00	127,00	106,00	46,00	7,85	9,65
100	271,50	141,50	102,00	161,00	123,00	52,00	11,63	16,13
125	271,50	141,50	123,00	190,00	123,00	56,00	13,53	19,13
150	328,00	171,50	138,00	215,00	137,00	56,00	18,65	24,55
200	522,00	263,00	168,00	268,00	187,00	60,00	42,70	49,50
250	522,00	263,00	207,00	325,00	187,00	68,00	48,50	59,50
300	575,00	320,50	243,50	400,00	218,00	78,00	82,85	100,35

PNEUMATIC OPERATED

DOUBLE ACTING

BV10/BV12 SIZE	A mm	B mm	C mm	D mm	E mm	F mm	BV10 Kg	BV12 Kg
50	139,50	89,50	71,40	244,50	71,00	43,00	3,52	5,82
65	139,50	89,50	77,80	256,90	71,00	46,00	4,22	6,22
80	162,00	100,50	89,00	274,30	80,50	46,00	5,08	6,88
100	207,00	117,00	102,00	302,00	94,50	52,00	7,60	12,10
125	237,50	128,50	123,00	320,50	106,00	56,00	10,35	15,95
150	271,50	141,50	138,00	350,20	123,00	56,00	12,80	18,70
200	328,00	171,50	168,00	421,50	137,00	60,00	21,25	28,05
250	366,00	183,50	207,00	464,80	148,00	68,00	29,02	40,02
300	522,00	263,00	243,50	584,50	187,00	78,00	52,10	69,60



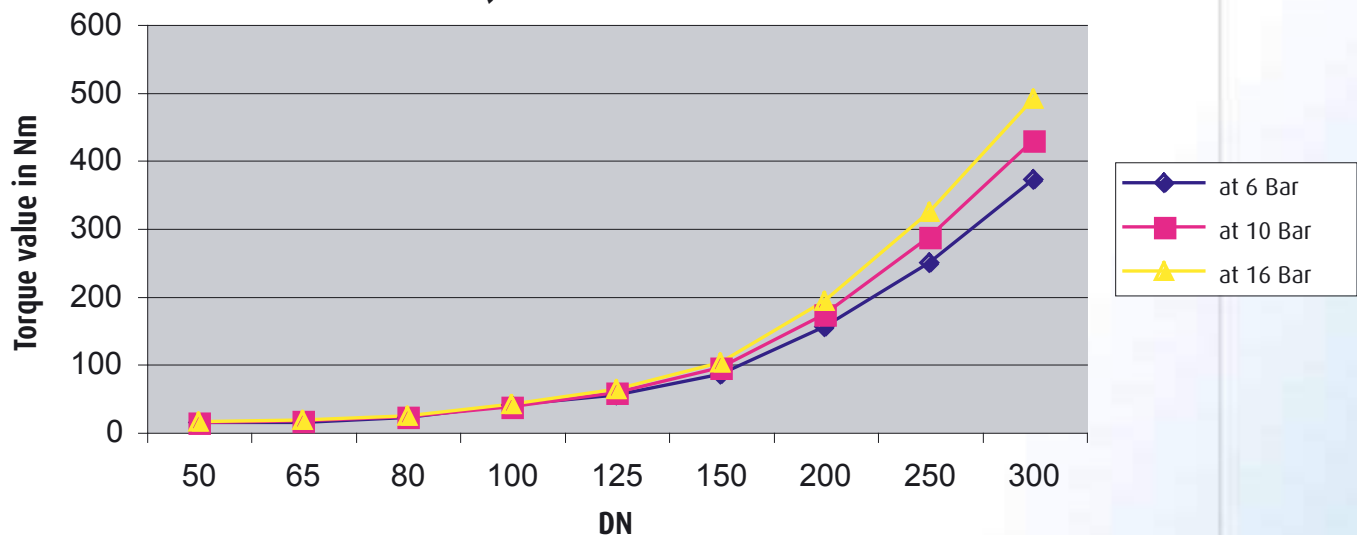
TORQUE VALUES BVY

BV10 BV12 BV10 BV12 | BV10 BV12 BV10 BV12 | BV10 BV12 BV10 BV12 | BV10 BV12 BV10 BV12

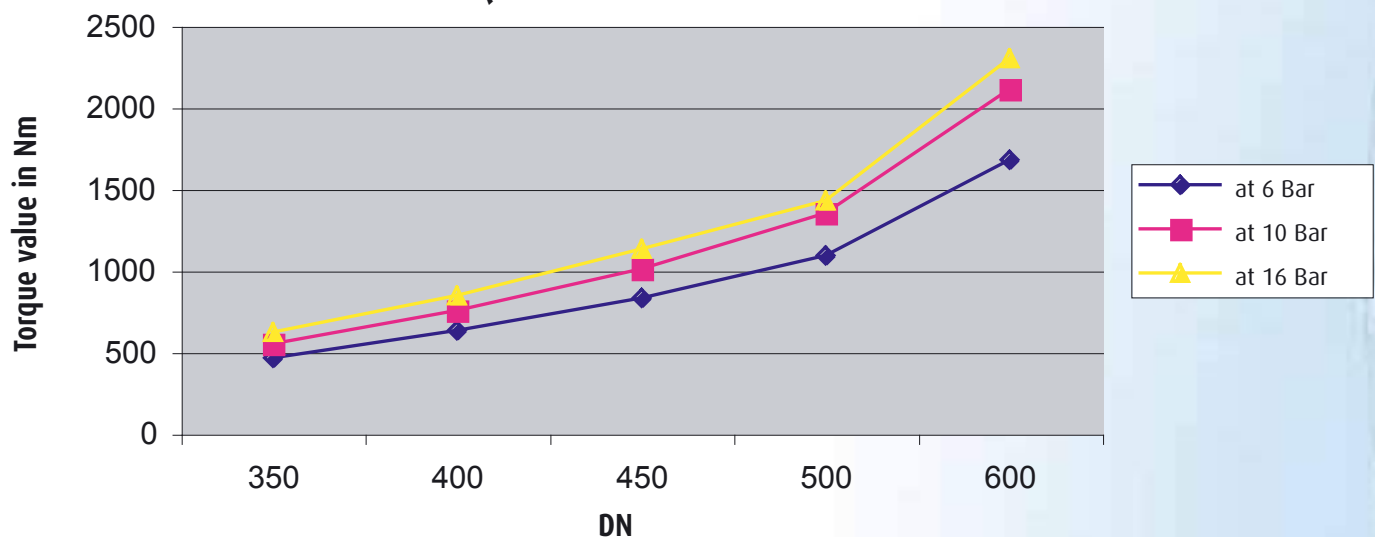
The observed torque values are given in Nm and without any safety factor.
We advise to add 25% to the given values, while sizing the actuator
(depending on medium and circumstances of use).

For torque of sizes > DN 600, please contact commercial department.

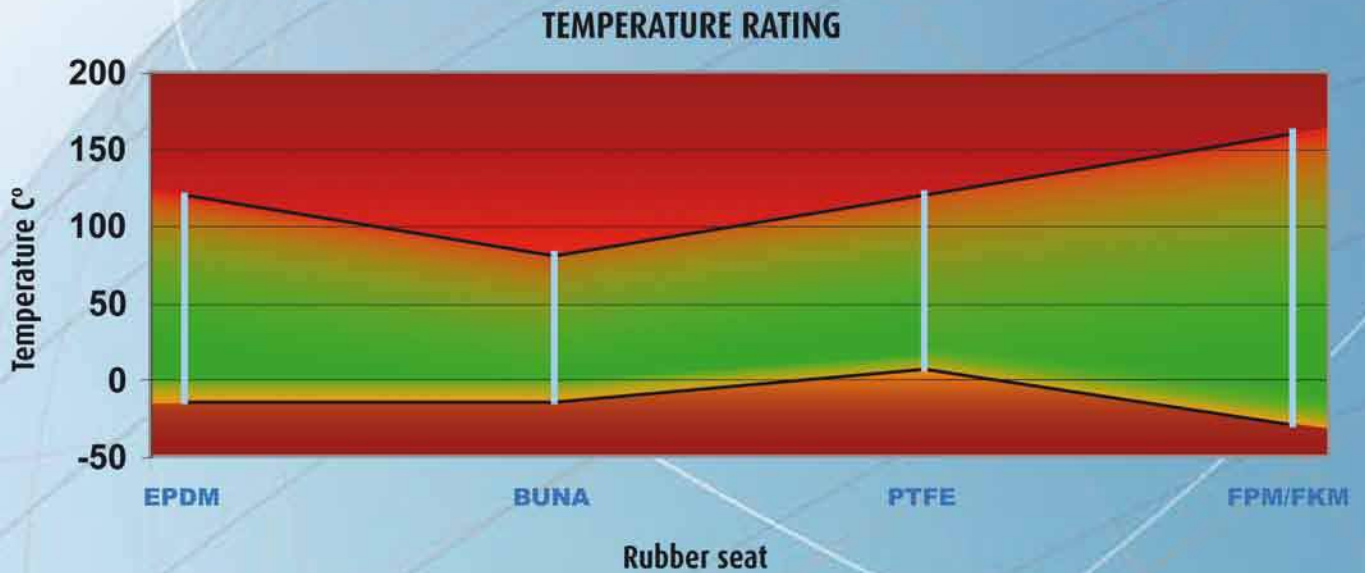
TORQUE RATING TILL DN 300



TORQUE RATING TILL DN 600

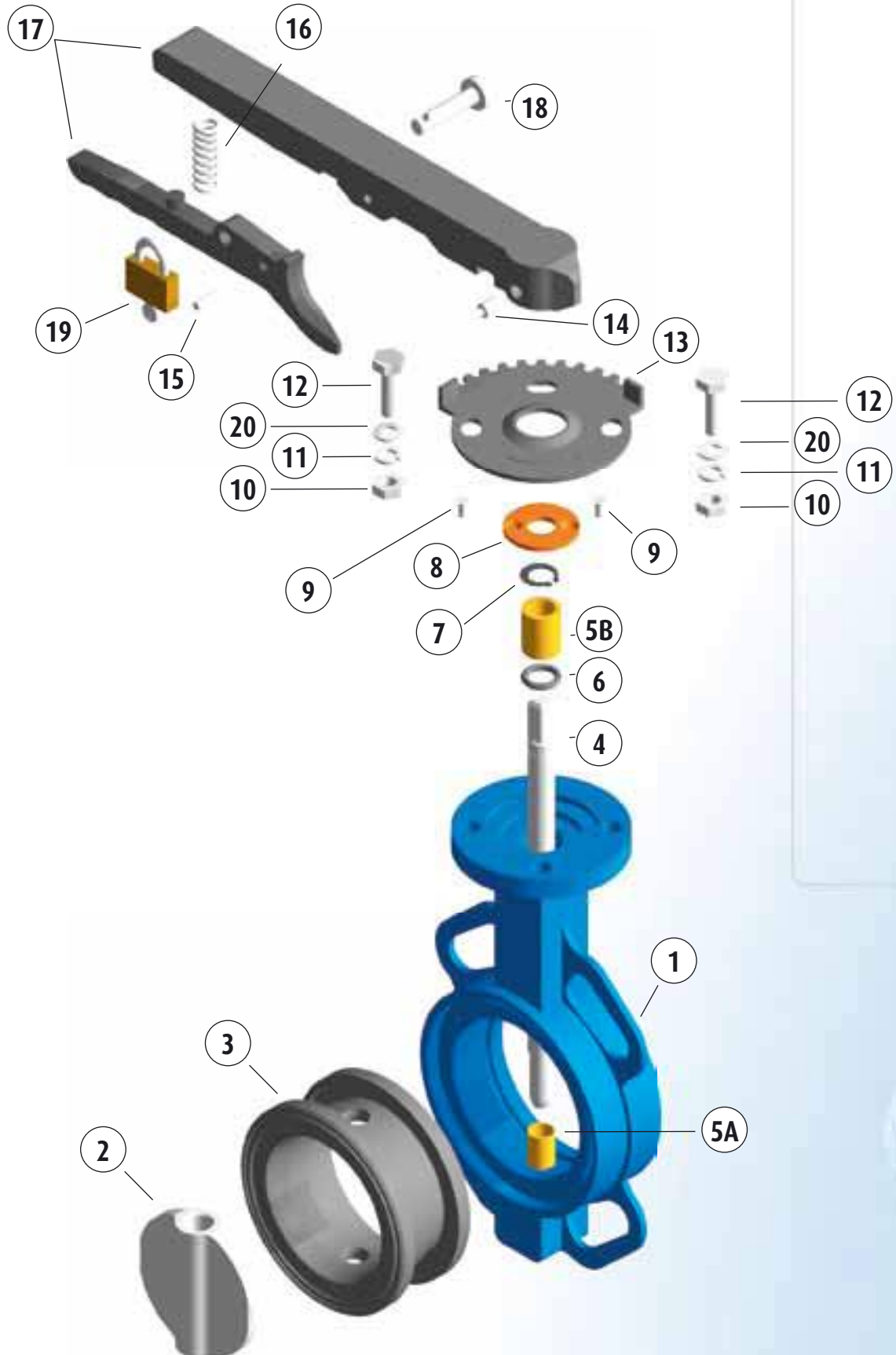


The temperature data is obtained through laboratory tests with suitable medium.
The diagram shows the temperature range/material.



PART LIST NP

BV10 BV12 BV10 BV12 | BV10 BV12 BV10 BV12 | BV10 BV12 BV10 BV12 | BV10 BV12 BV10 BV12

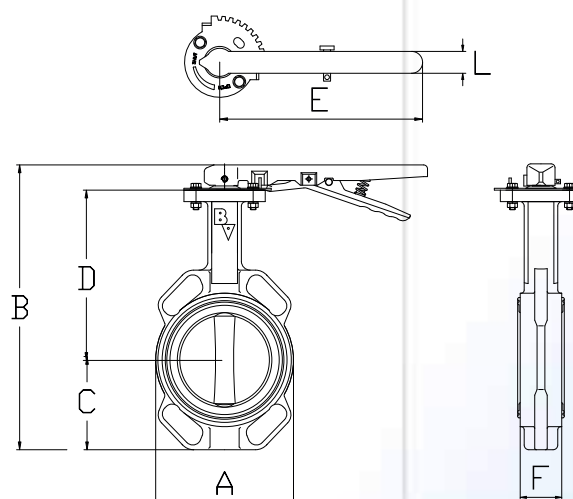


POS	PART NAME	POS	PART NAME
1	BODY	11	SPRING WASHER
2	DISC	12	BOLT
3	SEAT	13	NOTCHPLATE
4	STEM SS 431	14	LEVER SCREW
5A	BOTTOM BUSHING	15	PIN
5B	TOP BUSHING	16	SPRING
6	O-RING	17	LEVER MALLABLE IRON
7	CIRCLIP	18	LOCKING PIN
8	RETAINER PLATE	19	PADLOCK
9	SCREW	20	PLAIN WASHER
10	NUT		

Type			BODY	DISC	SEAT
BV10- BV12-	-NP- -NP-	2325E	GG25	GGG40 nickle plated	EPDM
		2325B	GG25	GGG40 nickle plated	NBR
		2327E	GG25	GGG40 Rilsan	EPDM
		2327B	GG25	GGG40 Rilsan	NBR
		2313E	GG25	Alu Bronze	EPDM
		2313B	GG25	Alu Bronze	NBR
		2366E	GG25	CF8M	EPDM
		2366B	GG25	CF8M	NBR
		2366V	GG25	CF8M	FPM/FKM
		2425E	GGG40	GGG40 nickle plated	EPDM
		2425B	GGG40	GGG40 nickle plated	NBR
		2466E	GGG40	CF8M	EPDM
		2466B	GGG40	CF8M	NBR
		2466V	GGG40	CF8M	FPM/FKM

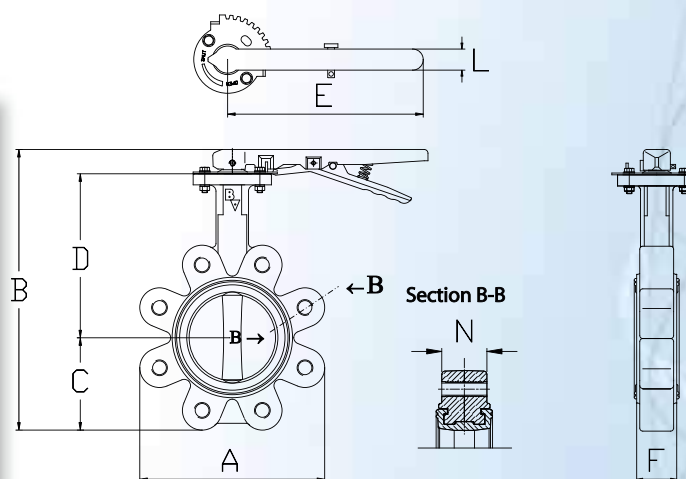
LEVER OPERATED

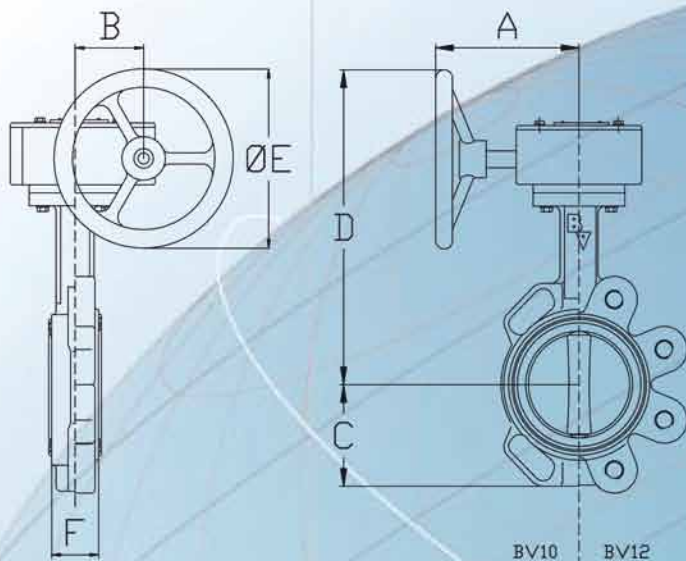
					SHORT	STANDARD		
BV10 SIZE	A mm	B mm	C mm	D mm	E mm	E mm	F mm	L mm
50	95,00	229,50	64,00	140,50	185,00	260,00	43,00	30,00
65	112,00	248,90	71,40	152,50	185,00	260,00	46,00	30,00
80	131,00	276,50	94,00	157,50	185,00	260,00	46,00	30,00
100	161,00	309,50	108,50	176,00	185,00	260,00	52,00	30,00
125	192,00	335,00	119,00	191,00	185,00	260,00	56,00	30,00
150	218,00	363,50	136,00	202,50	185,00	260,00	56,00	30,00
200	273,00	446,50	165,00	243,50		350,00	60,00	35,00
250	328,00	513,00	202,00	273,00		350,00	68,00	35,00
300	378,00	584,00	235,00	311,00		350,00	78,00	35,00



LEVER OPERATED

					SHORT	STANDARD			
BV12 SIZE	A mm	B mm	C mm	D mm	E mm	E mm	F mm	L mm	N mm
50	119,00	229,50	64,00	140,50	185,00	260,00	43,00	30,00	37,00
65	137,00	248,90	71,40	152,50	185,00	260,00	46,00	30,00	39,00
80	183,00	273,90	91,40	157,50	185,00	260,00	46,00	30,00	39,00
100	206,50	303,00	102,00	176,00	185,00	260,00	52,00	30,00	42,00
125	238,50	335,00	119,00	191,00	185,00	260,00	56,00	30,00	48,00
150	267,00	361,00	133,50	202,50	185,00	260,00	56,00	30,00	48,00
200	329,50	446,50	165,00	243,50		350,00	60,00	35,00	53,00
250	394,00	508,00	197,00	273,00		350,00	68,00	35,00	57,00
300	463,00	580,50	231,50	311,00		350,00	78,00	35,00	69,00

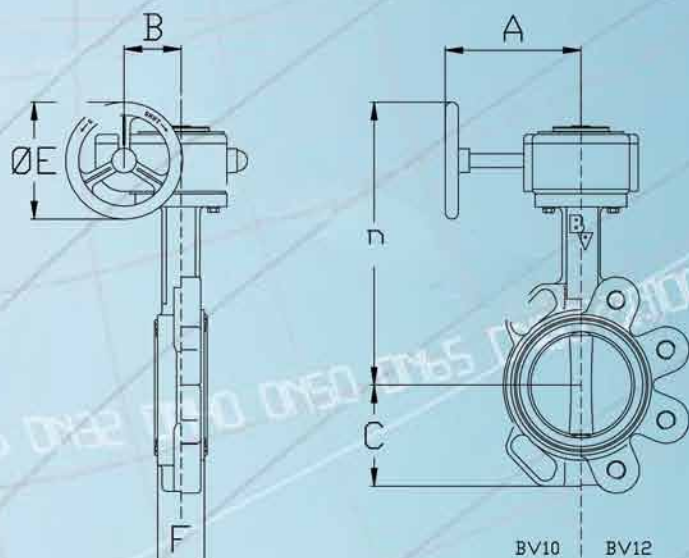




GEARBOX OPERATED GEARBOX IN GG25

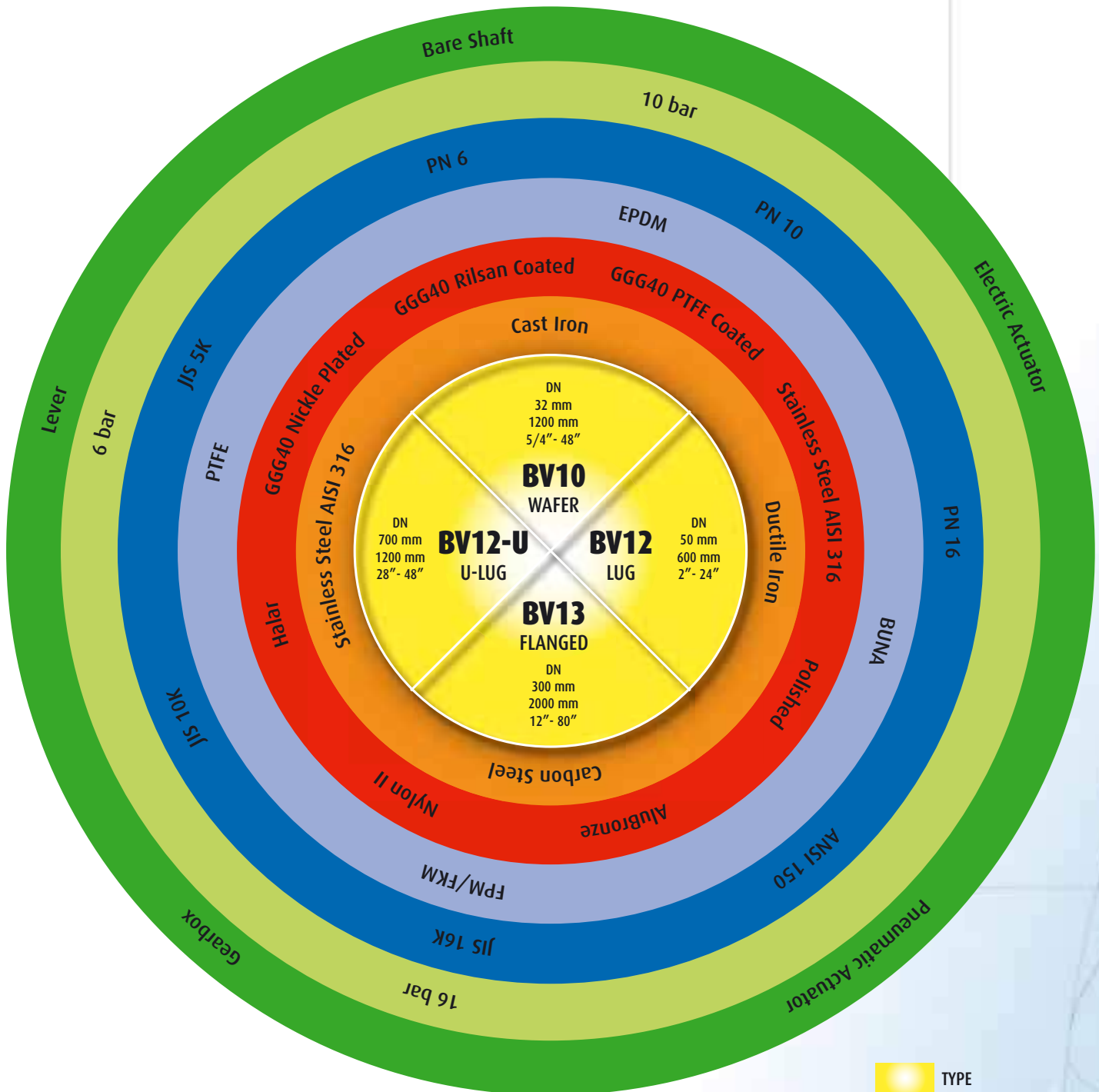
BV10/BV12 SIZE	A mm	B mm	BV10 C	BV12 C	D mm	E mm	F mm
50	173,50	45,00	64,00	64,00	251,50	150,00	43,00
65	173,50	45,00	71,40	71,40	263,50	150,00	46,00
80	173,50	45,00	94,00	91,40	268,50	150,00	46,00
100	173,50	45,00	108,50	102,00	287,00	150,00	52,00
125	173,50	45,00	119,00	119,00	302,00	150,00	56,00
150	173,50	45,00	136,00	133,50	313,50	150,00	56,00
200	237,00	63,00	165,00	165,00	436,50	300,00	60,00
250	237,00	63,00	202,00	197,00	466,00	300,00	68,00
300	225,00	80,00	235,00	231,50	500,00	300,00	78,00

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GEARBOX OPERATED GEARBOX IN ALUMINIUM

BV10/BV12 SIZE	A mm	B mm	BV10 C	BV12 C	D mm	E mm	F mm
50	93,00	42,50	64,00	64,00	211,50	100,00	43,00
65	93,00	42,50	71,40	71,40	223,50	100,00	46,00
80	93,00	42,50	94,00	91,40	228,50	100,00	46,00
100	118,00	50,00	108,50	102,00	267,50	125,00	52,00
125	118,00	50,00	119,00	119,00	282,50	125,00	56,00
150	118,00	50,00	136,00	133,50	294,00	125,00	56,00
200	199,00	60,00	165,00	165,00	382,00	200,00	60,00
250	199,00	60,00	202,00	197,00	411,50	200,00	68,00
300	199,00	60,00	235,00	231,50	449,50	200,00	78,00



- TYPE
- SIZE
- BODY
- DISC
- SEAT
- FLANGE CONNECTIONS
- PRESSURE RATING
- OPERATION