

BVALVE®

Soft-seated
Butterfly valve
Lug Type

Soft Seated Butterfly Valve - Lug type



BV12008L
(DN40-200)
Hand lever operated

BV12008L
(DN250 – DN600)
Cast iron gear operated

BV12008L
(DN700 – DN1200)
Cast iron gear operated

Lug type butterfly valve for installation between flanges EN 1092, PN 10/16. One-piece body, selfcentring, two-piece disc and stem connection, bubble-tight up to 10 bar, vacuum-tight. The pipeline can be removed from the flange on one side.

Face-to-face dimension

DIN EN 558 line 20 API 609 table 1

Mounting flange DIN EN ISO 5211

Test DIN EN 12266 P10 P11 P12 leakage rate A

Certifications CE-Marking, TA Luft, FDA approval, food certification 1935/2004, ATEX

Industries and applications

Sewage plants

Waste water treatment plants

Shipbuilding

Pulp and paper industry

Coal mining, Brown coal strip mining

Chemical plants

Pumping stations, Storage basin

Coal-fired power plants

Sugar industry

Food industry

Bitumen manufacturing and subsequent processing



ATEX 2019/34/UE



PED 2019/68/UE



TA-LUFT
VDI 2440



acc. API 607 5th

Shut-off and control butterfly valves - Lug type

O-ring stem seal

Seals the stem in both directions. Coupling from outside

Blow-out proof two-piece, stem

This system ensures a stable mount for the valve disc

Valve disc with full high finish

Body single-piece with locating holes or threaded cam as lug type version

Seat seal with the special profile of the valve disc sealing surface, absolute seat seal is achieved to 12 bar

Automation

- Standard mounting flange according to DIN 3337
- Direct-mount actuation without interruption to the valve stem
- Variable and exchangeable for any size of actuator
- Actuator protected against leakage

Primary seal integrated in the seat, ensures a pressure-stable seal to the outside, and prevents line media from coming in contact with the stem or body

ZERO LEAKAGE!

Seat ring exchangeable multifunctional sealing element, maintenance-free, long life-span, reliable seal in seat, to the flanges and on the stem coupling, secure latching in the dove tail, embedded with no protruding edges to flange surfaces in the housing

BV12008L Lug

| PN10/PN16/#150

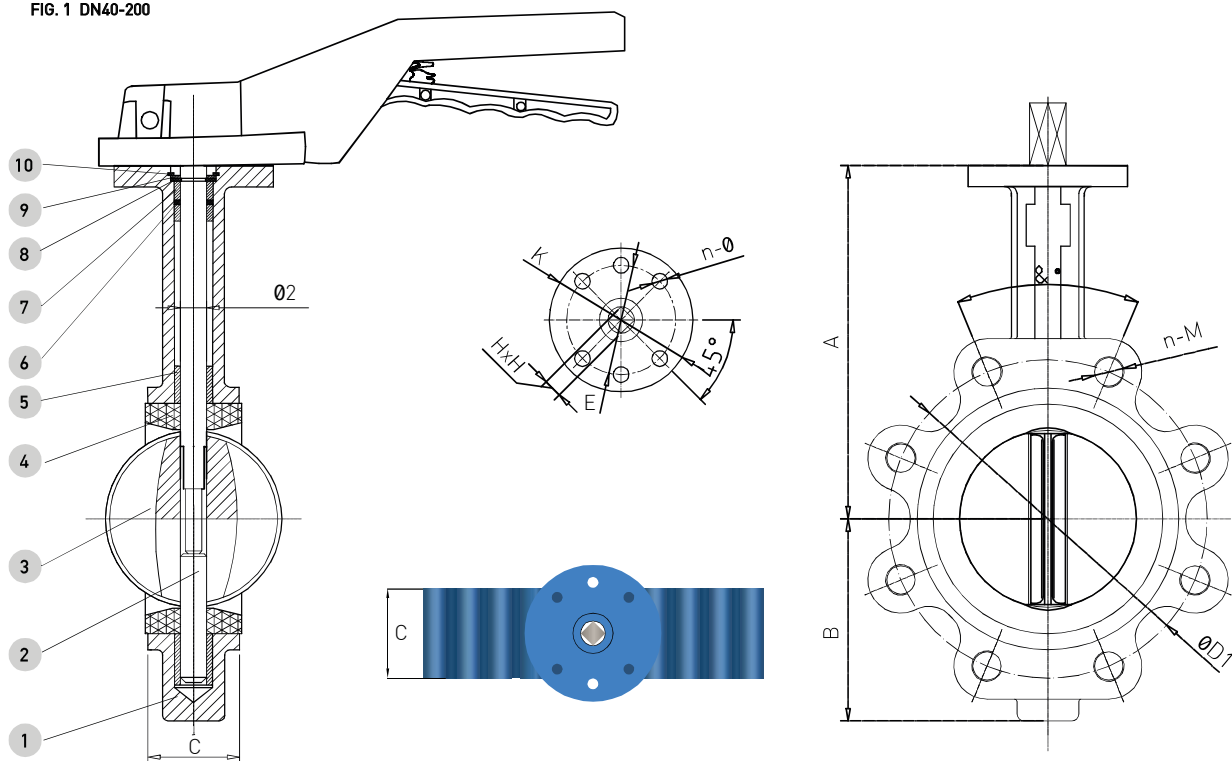


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TUV NORD



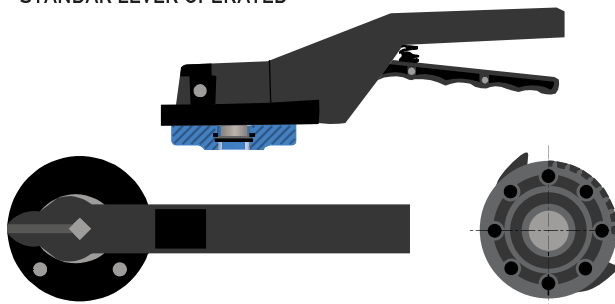
FIG. 1 DN40-200



MAIN SPARE PARTS MATERIAL

Nº	COMPONENT	FIG. 1 DN40-200
1	Body	EN1563 EN-GJS-400-15
2	Shaft	SS410
3	Disc	CF8M
4	Liner (seat)	WRAS EPDM
5	Long bushing	FRP
6	O-ring	NBR / EPDM / VITON
7	Short bushing	FRP
8	Half ring	Stainless Steel
9	Gasket	Stainless Steel
10	Snap Spring	SK7

STANDAR LEVER OPERATED



OPERATION OPTIONS

Gearbox operated, Double acting actuator, Spring return actuator

VALVE DIMENSIONS

Valves dimensions													PN10		PN16		ANSI150	
DN		A	B	C	Ø2	ISO 5211	K	E	n-Ø	&	H	W	ØD1	n-M	ØD1	n-M	ØD1	n-M
mm	In																	
40	1 ½"	120	65	33	12.6	F07	90	70	4-10	90	11	30	110	4-M16	110	4-M16	110	4-M16
50	2"	140	80	43	12.6	F07	90	70	4-10	90	11	30	125	4-M16	125	4-M16	125	4-M16
65	2 ½"	150	84	46	12.6	F07	90	70	4-10	90	11	30	145	4-M16	145	4-M16	145	4-M16
80	3"	158	95	46	12.6	F07	90	70	4-10	45	11	30	160	4-M16	160	8-M16	160	8-M16
100	4"	176	114	52	15.77	F07	90	70	4-10	45	11	30	180	8-M16	180	8-M16	180	8-M16
125	5"	190	127	56	18.92	F07	90	70	4-10	45	14	34	210	8-M16	210	8-M16	210	8-M16
150	6"	211	139	56	18.92	F07	90	70	4-10	45	14	34	240	8-M20	240	8-M20	240	8-M20
200	8"	235	175	60	22.10	F10	125	102	4-12	45	17	44	295	8-M20	295	8-M20	295	8-M20

all dimensions in mm.

BV12008L Lug

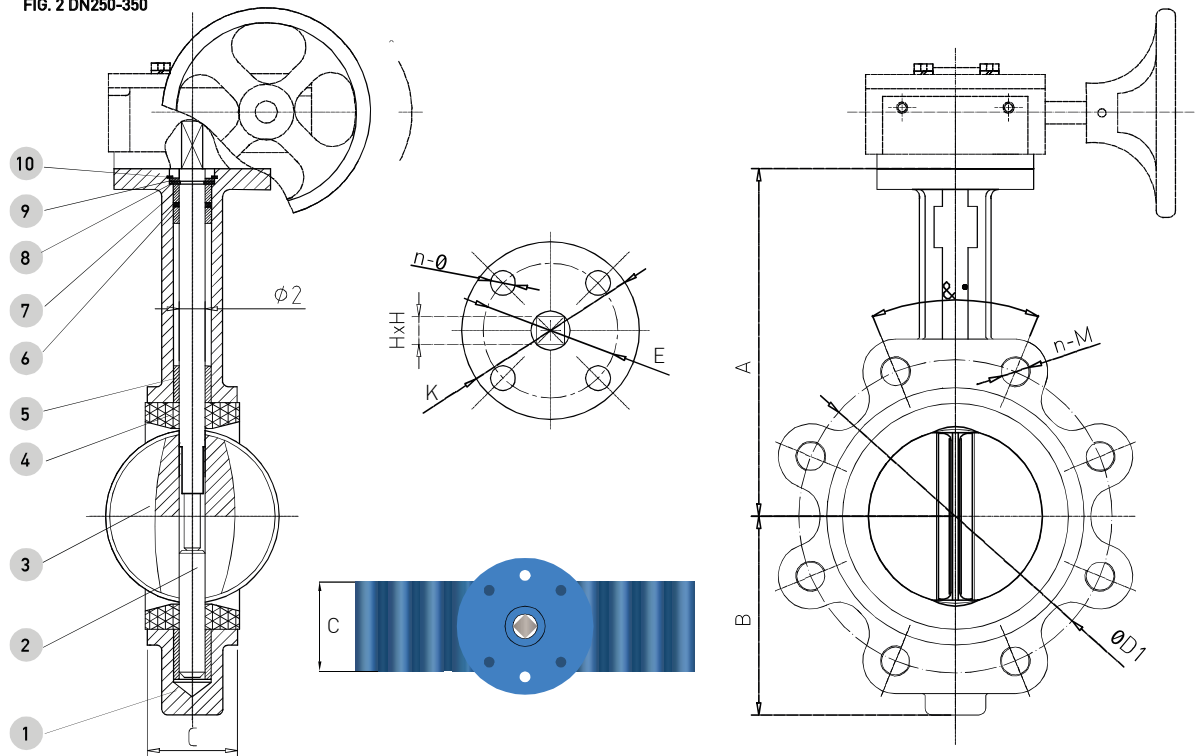
| PN10/PN16/#150



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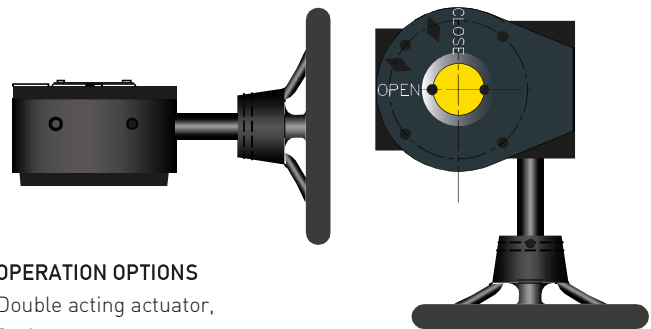
FIG. 2 DN250-350



MAIN SPARE PARTS MATERIAL

Nº	COMPONENT	FIG. 2 DN250-350
1	Body	EN1563 EN-GJS-400-15
2	Shaft	SS410
3	Disc	CF8M
4	Liner (seat)	WRAS EPDM
5	Long bushing	FRP
6	O-ring	NBR / EPDM / VITON
7	Short bushing	FRP
8	Half ring	Stainless Steel
9	Gasket	Stainless Steel
10	Snap Spring	SK7

STANDAR GEAR OPERATED



OPERATION OPTIONS

Double acting actuator,
Spring return actuator

VALVE DIMENSIONS

Valves dimensions											PN10		PN16		ANSI150		
DN		A	B	C	Ø2	ISO 5211	K	E	n-Ø	&	H	ØD1	n-M	ØD1	n-M	ØD1	n-M
mm	In																
FIG. 2 DN 250-350																	
250	10"	265	203	68	28.45	F10	125	102	4-12	30	22	350	12-M20	350	12-M20	350	12-M20
300	12"	305	242	78	31.60	F10	125	102	4-12	30	22	400	12-M20	400	12-M20	400	12-M20
350	14"	368	267	78	31.60	F10/f14	175	102/140	4-12/18	22.5	22	460	16-M20	460	16-M20	460	16-M20

all dimensions in mm.

BV12008L Lug

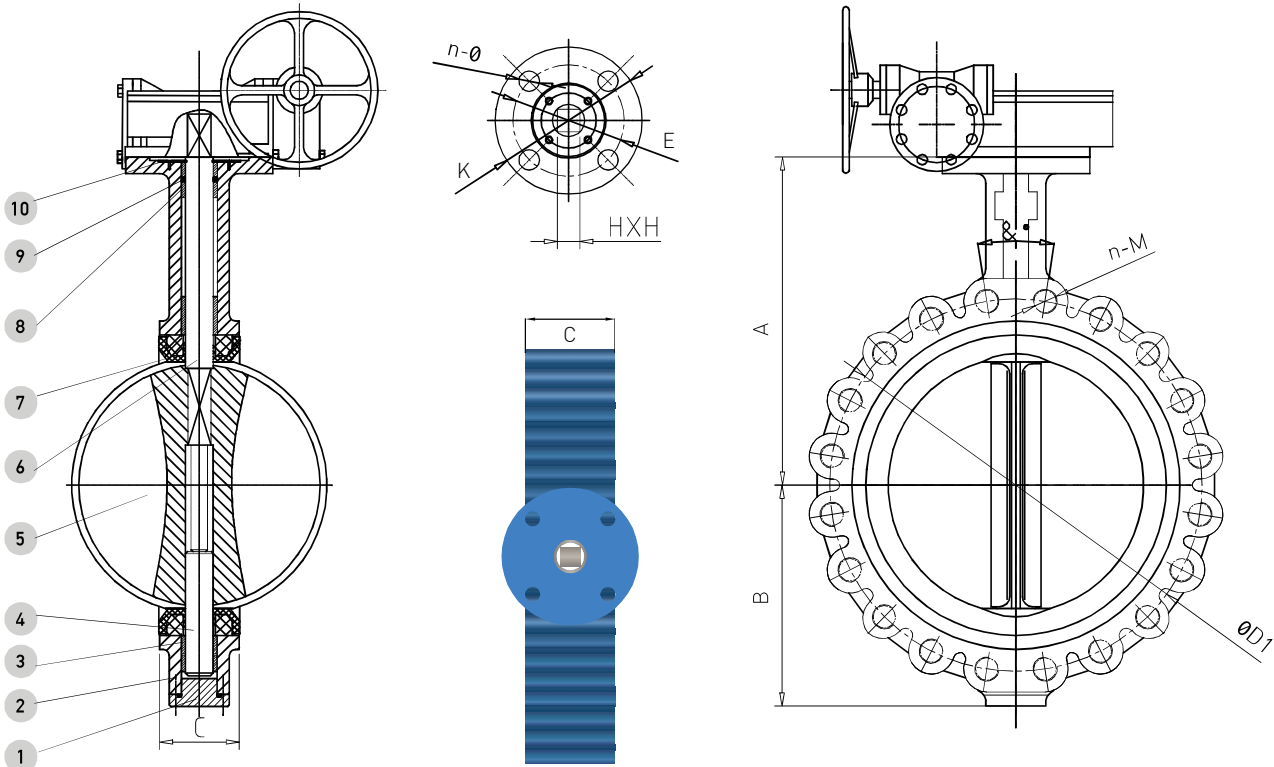
| PN10/PN16/#150

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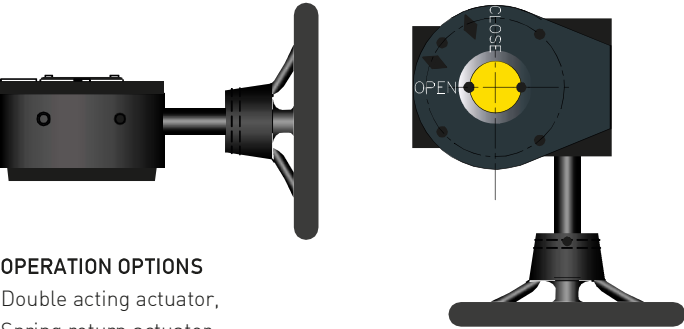
FIG. 3 DN400-600



MAIN SPARE PARTS MATERIAL

N°	COMPONENT	FIG. 2 DN400-500
1	End cover	EN1563 EN-GJS-400-15
2	Body	EN1563 EN-GJS-400-15
3	Long Bushing	Brass
4	Down shaft	SS410
5	Disc	CF8M
6	Up shaft	SS410
7	Liner (seat)	WRAS EPDM
8	Short bushing	Brass
9	O-ring	NBR / EPDM / VITON
10	Half ring	Stainless Steel

STANDAR GEAR OPERATED



VALVE DIMENSIONS

Valves dimensions											PN10		PN16		ANSI150	
DN		A	B	C	ISO 5211	K	E	n-Ø	&	HxH	ØD1	n-M	ØD1	n-M	ØD1	n-M
mm	In															
400	16"	400	300	102	F14/F16	210	140/165	4-18/22	22.5	27x27	515	16-M24	515	16-M24	515	16-M24
450	18"	422	320	114	F14/F16	210	140/165	4-18/22	18	27x27	565	20-M24	565	20-M24	565	20-M24
500	20"	455	365	127	F14/F16	210	140/165	4-18/22	18	36x36	620	20-M24	620	20-M24	620	20-M24
600	24"	565	445	154	F16	210	165	4-22	18	36x36	725	20-M27	725	20-M27	725	20-M27

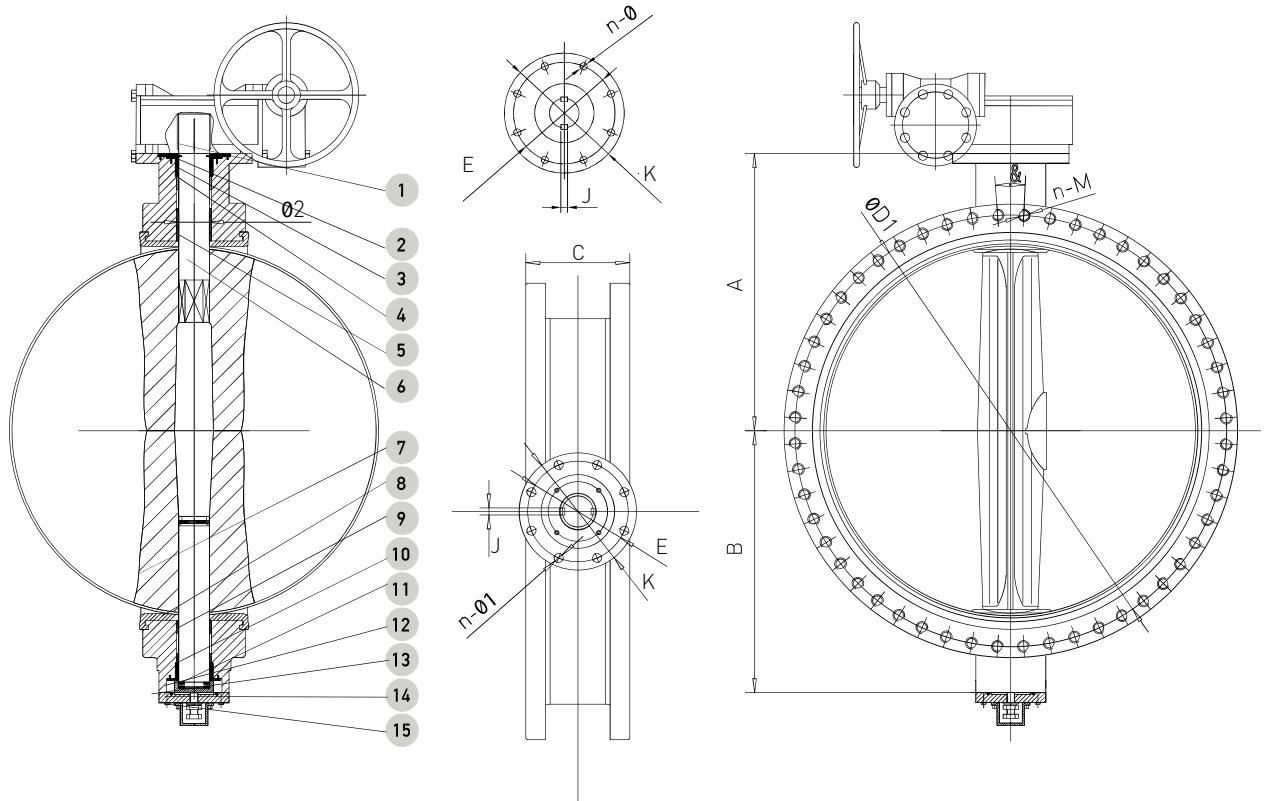
all dimensions in mm.

BV12008L Lug

PN10/PN16/#150



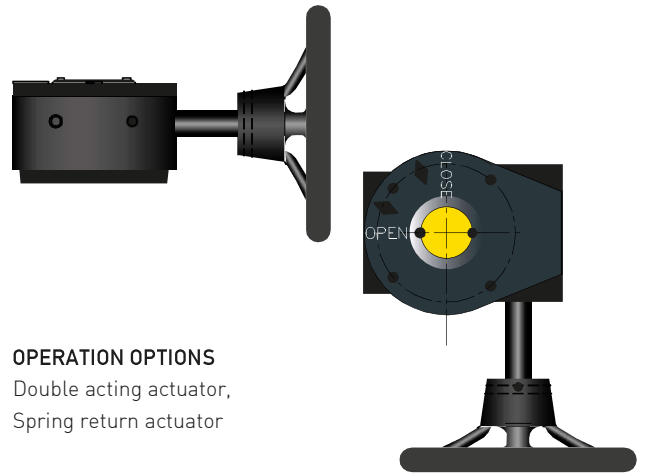
FIG. 4 DN700-1200



MAIN SPARE PARTS MATERIAL

N°	COMPONENT	FIG. 1 DN600
1	Head Bolt	A2
2	End Cover	DI/CI
3	"O" Ring	NBR
4	Body	DI/CI
5	Single Side Thrust Bearing	Assembly
6	Down Shaft	410/416/420/431
7	Bushing	Brass
8	LINER(SEAT)	EPDM/NBR/VITON
9	Disc	DI/CF8/CF8M/AL-Bronze
10	Up Shaft	410/416/420/431
11	Bushing	Brass
12	Gasket	FRP
13	Packing	NBR
14	Gland Packing	Carbon Steel
15	Key	45

STANDAR GEAR OPERATED



OPERATION OPTIONS

Double acting actuator,
Spring return actuator

VALVE DIMENSIONS

Valves dimensions											PN10			PN16			ANSI150		
DN		A	B	C	Ø2	ISO 5211	K	E	n-Ø	J	ØD1	n-M	&	ØD1	n-M	&	ØD1	n-M	&
mm	In																		
700	28"	624	510/520	165	63.35	F25	300	254	8-18	18	840	24-M27	15	840	24-M33	15	863.6	28-1¼-8	12.85
750	30"	650	510	190	63.35	F25	300	254	8-18	18	-	-	-	-	-	-	914.4	28-1¼-8	12.85
800	32"	672	580/591	190	63.35	F25	300	254	8-18	18	950	24-M30	15	950	24-M36	15	977.9	28-1½-8	12.85
900	36"	720	633/636	200/203	75	F25	300	254	8-18	20	1050	28-M30	12.85	1050	28-M36	12.85	1085.8	32-1½-8	11.25
1000	40"	805	710	216	85	F25	300	254	8-18	22	1160	28-M33	12.85	1170	28-M39	12.85	1200.1	36-1½-8	10
1100	42"	858	758	251	95	F25	300	254	8-18	25	-	-	-	-	-	-	1257.3	36-1½-8	10
1200	48"	955/957	845/843	276/254	105	F30	350	298	8-22	28	1380	32-M36	11.25	1390	32-M45	11.25	1422.4	44-1½-8	8.18

all dimensions in mm.