

BVALVE®

Soft-seated
Butterfly valve
Double flange

Soft Seated Butterfly Valve - Double Flange



BV12008DF
(DN40 – DN200)
Hand lever operated

BV12008DF
(DN250 – DN600)
Cast iron gear operated

BV12008DF
(DN700 – DN1200)
Cast iron gear operated

DOUBLE FLANGE 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



HELIUM LEAKAGE TEST
acc. VDI 2440



TA-LUFT
VDI 2440



acc. API 607 5th

Soft Seated Butterfly Valve - Double Flange

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

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

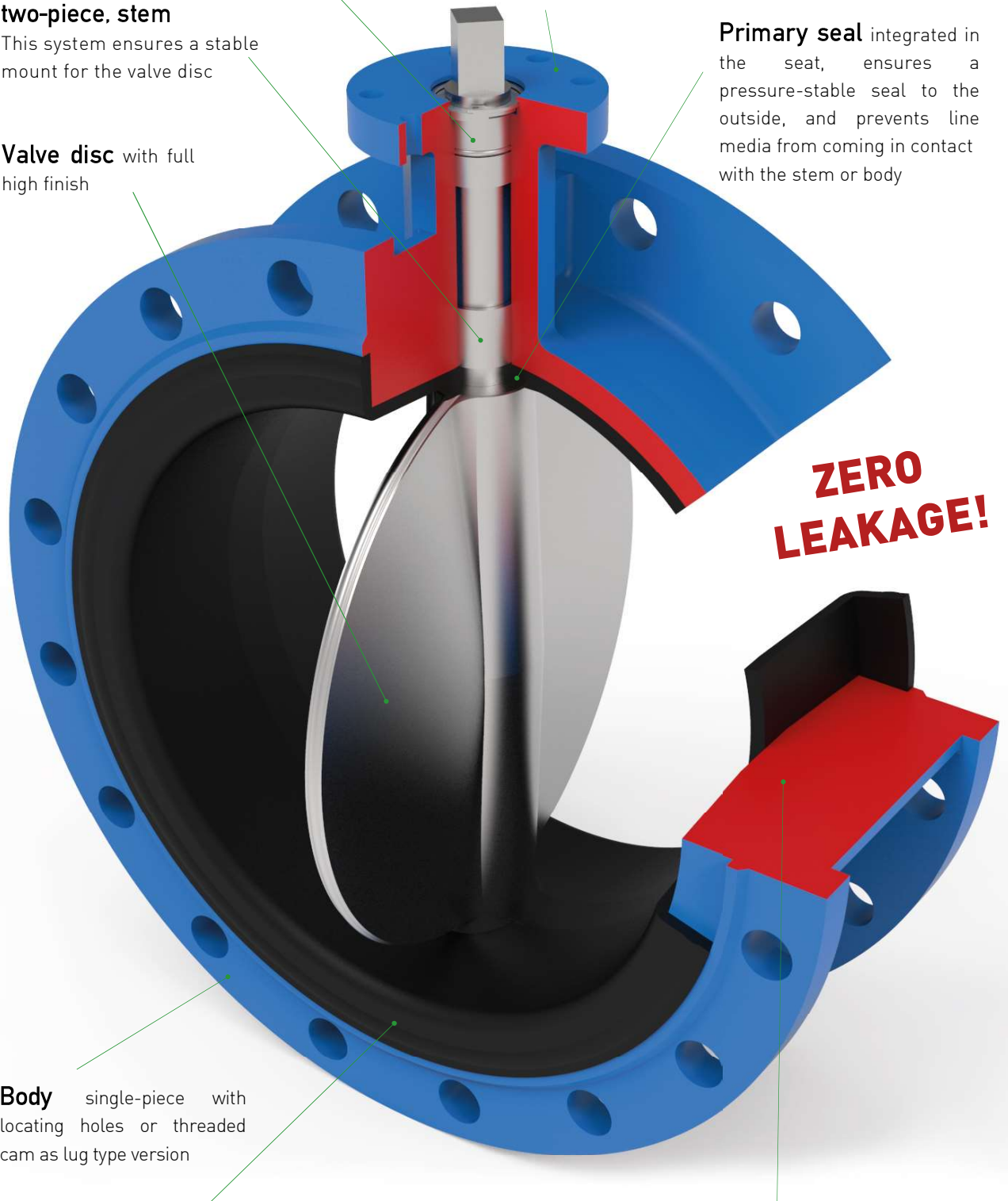
Primary seal integrated in the seat, ensures a pressure-stable seal to the outside, and prevents line media from coming in contact with the stem or body

ZERO LEAKAGE!

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

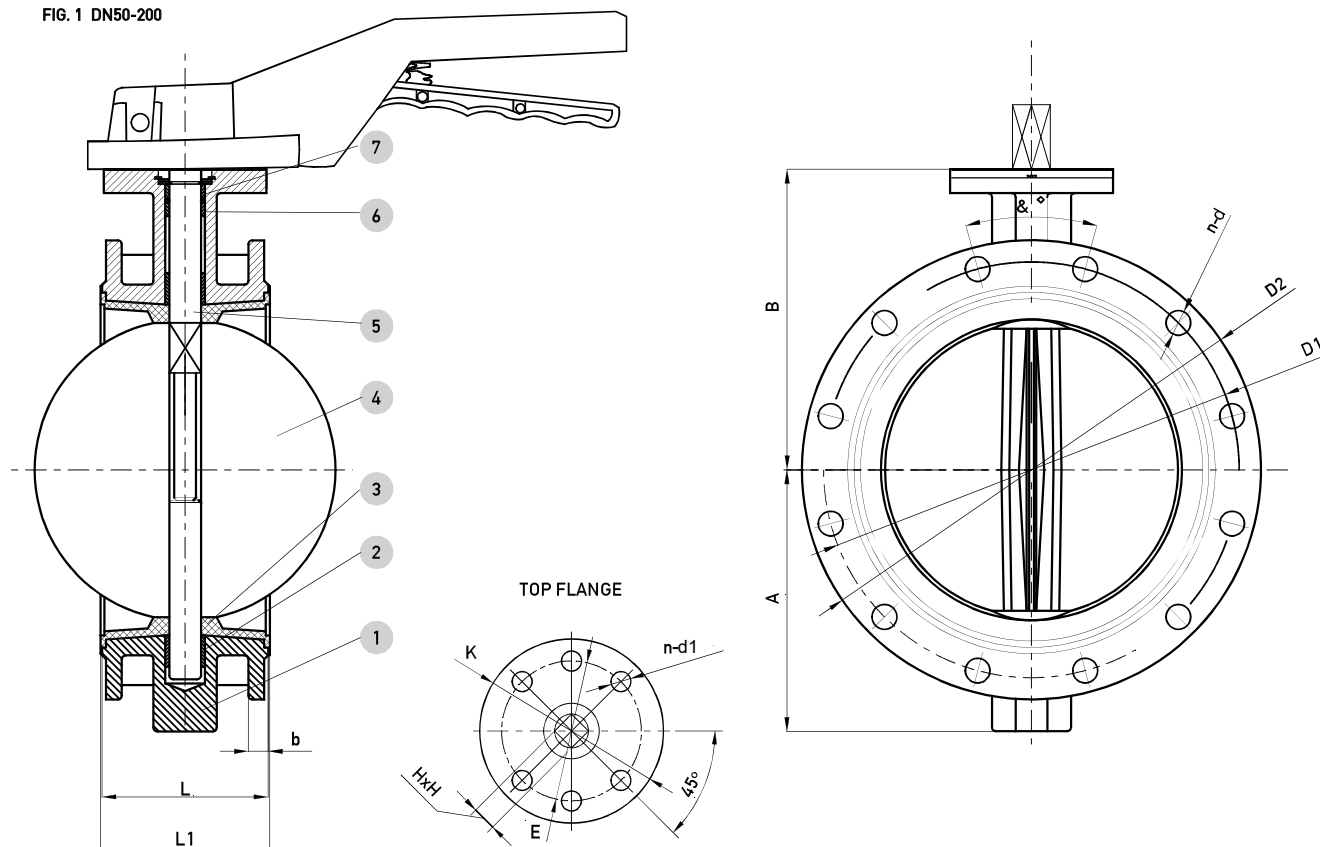
Seat ring exchangeable multifunctional sealing element, maintenance-free, long life-span, reliable seal in seat, to the flanges and on the stem coupling, secure latching in the dove tail, embedded with no protruding edges to flange surfaces in the housing



BV12008DF | PN10/PN16/#150



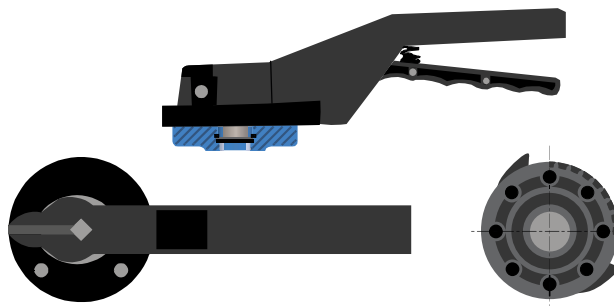
FIG. 1 DN50-200



MAIN SPARE PARTS MATERIAL

N°	COMPONENT	FIG. 1 DN50-200
1	Body	EN1563 EN-GJS-400-15
2	Long bushing	FRP
3	Liner (seat)	WRAS EPDM
4	Disc	CF8M
5	Shaft	SS410
6	Short bushing	FRP
7	O-ring	NBR / EPDM / VITON

STANDAR LEVER OPERATED



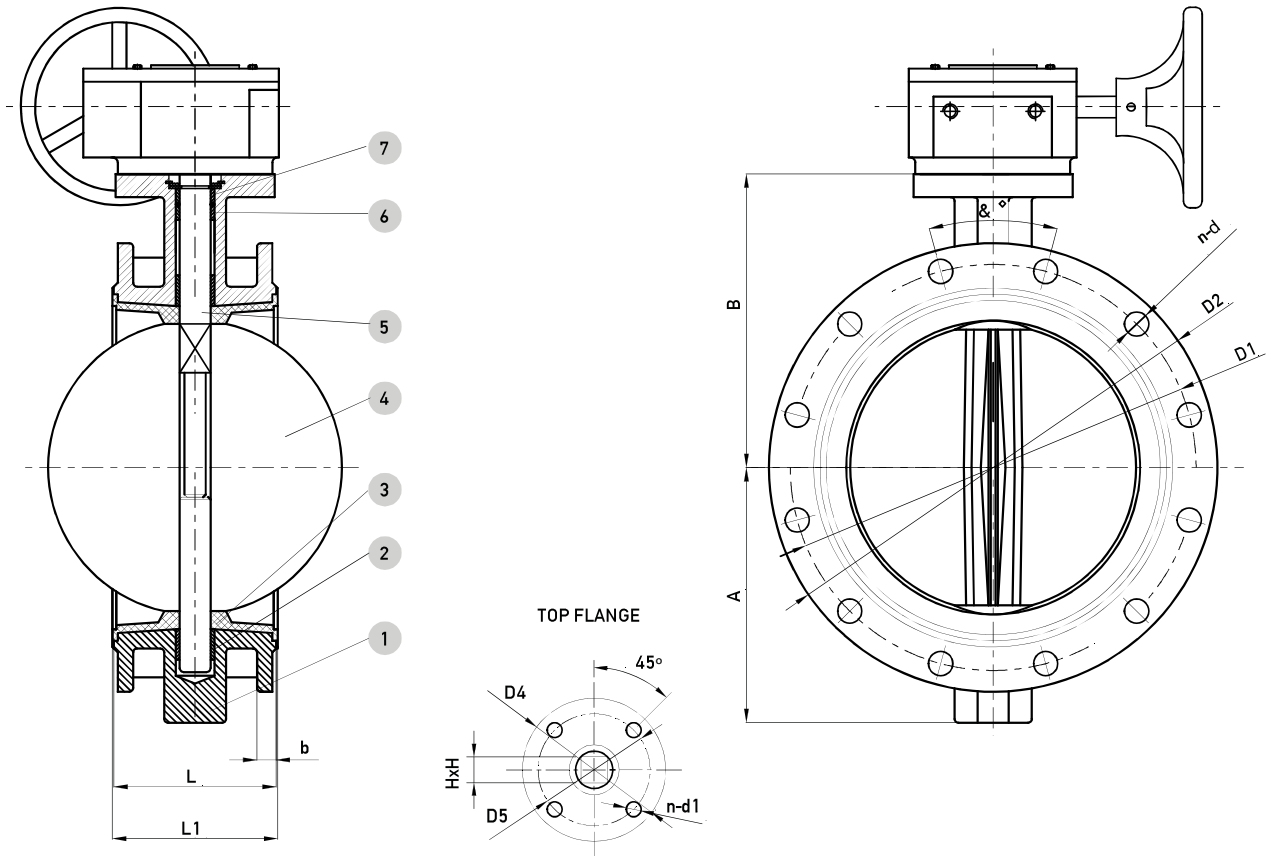
OPERATION OPTIONS

Gearbox operated, Double acting actuator, Spring return actuator

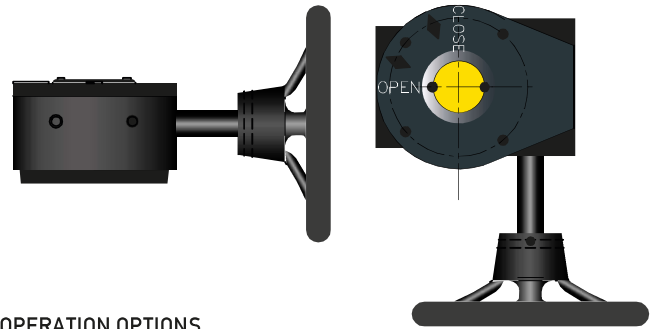
VALVE DIMENSIONS

Valves dimensions											PN10					PN16					ANSI150				
DN		A	B	ISO 5211	D4	D5	n-d1	L	L1	HxH	D1	D2	n-d	&	b	D1	D2	n-d	&	b	D1	D2	n-d	&	b
mm	In																								
50	2"	80	110	F07	90	70	4-10	108	111	11x11	125	165	4-19	90	19	125	165	4-19	90	19	120.7	150	4-19	90	19
65	2½"	82	137	F07	90	70	4-10	112	115	11x11	145	185	4-19	90	19	145	185	4-19	90	19	139.7	180	4-19	90	19
80	3"	98	146	F07	90	70	4-10	114	117	11x11	160	200	8-19	45	19	160	200	8-19	45	19	152.4	190	4-19	90	19
100	4"	115	155	F07	90	70	4-10	127	130	11x11	180	220	8-19	45	19	180	220	8-19	45	19	190.5	230	8-19	45	19
125	5"	115	171	F07	90	70	4-10	140	143	14x14	210	250	8-19	45	19	210	250	8-19	45	19	215.9	255	8-23	45	19
150	6"	142	182	F07	90	70	4-10	140	143	14x14	240	285	8-23	45	19	240	285	8-23	45	19	241.3	280	8-23	45	19
200	8"	176	212	F10	125	102	4-12	152	155	17x17	295	340	8-23	45	20	295	340	12-23	30	20	298.5	345	8-23	45	20

all dimensions in mm.

BV12008DF**| PN10/PN16/#150****FIG. 2 DN250-350****MAIN SPARE PARTS MATERIAL**

N°	COMPONENT	FIG. 2 DN250-300
1	Body	EN1563 EN-GJS-400-15
2	Long bushing	FRP
3	Liner (seat)	WRAS EPDM
4	Shaft	SS410
5	Disc	CF8M
6	Up bushing	FRP
7	O-ring	NBR / EPDM / VITON
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

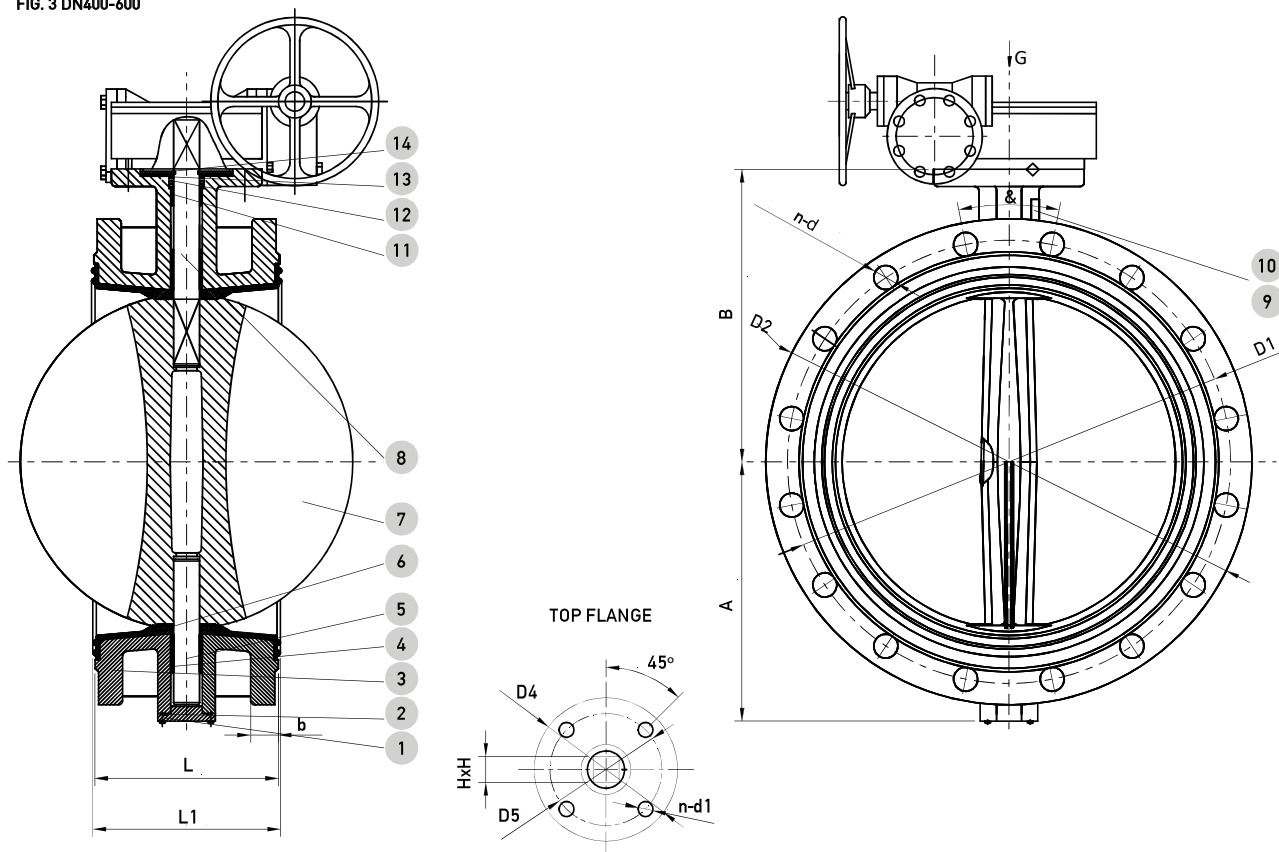
Valves dimensions											PN10					PN16					ANSI150				
DN mm	In	A	B	ISO 5211	D4	D5	n-d1	L	L1	HxH	D1	D2	n-d	&	b	D1	D2	n-d	&	b	D1	D2	n-d	&	b
250	10"	210	250	F10	125	102	4-12	165	168	22x22	350	395	12-23	30	22	355	405	12-28	30	22	362	405	12-26	30	22
300	12"	242	278	F10	125	102	4-12	178	182	22x22	400	445	12-23	30	24.5	410	460	12-28	30	24.5	431.8	485	12-26	30	24.5
350	14"	254	313	F10	125	102	4-12	190	194	22x22	460	505	16-23	22.5	24.5	470	520	16-28	22.5	26.5	476.3	535	12-29	30	26.5

all dimensions in mm.

BV12008DF | PN10/PN16/#150



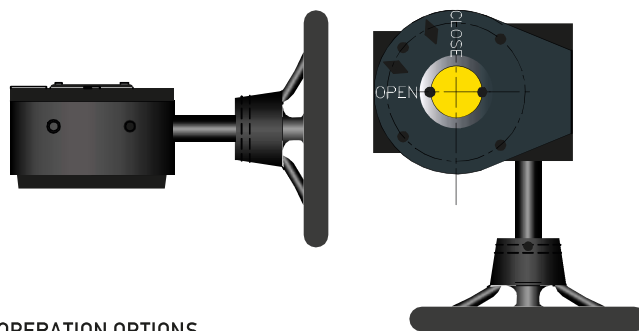
FIG. 3 DN400-600



MAIN SPARE PARTS MATERIAL

N°	COMPONENT	FIG. 3 DN400-600
1	End cover	EN1563 EN-GJS-400-15
2	Body	EN1563 EN-GJS-400-15
3	Down shaft	SS410
4	Disc	CF8M
5	Up shaft	SS410
6	Liner (seat)	WRAS EPDM
7	Long Bushing	Brass
8	O-ring	NBR / EPDM / VITON
9	Short bushing	Brass
10	Half ring	Stainless Steel

STANDAR GEAR OPERATED



OPERATION OPTIONS

Double acting actuator, Spring return actuator

VALVE DIMENSIONS

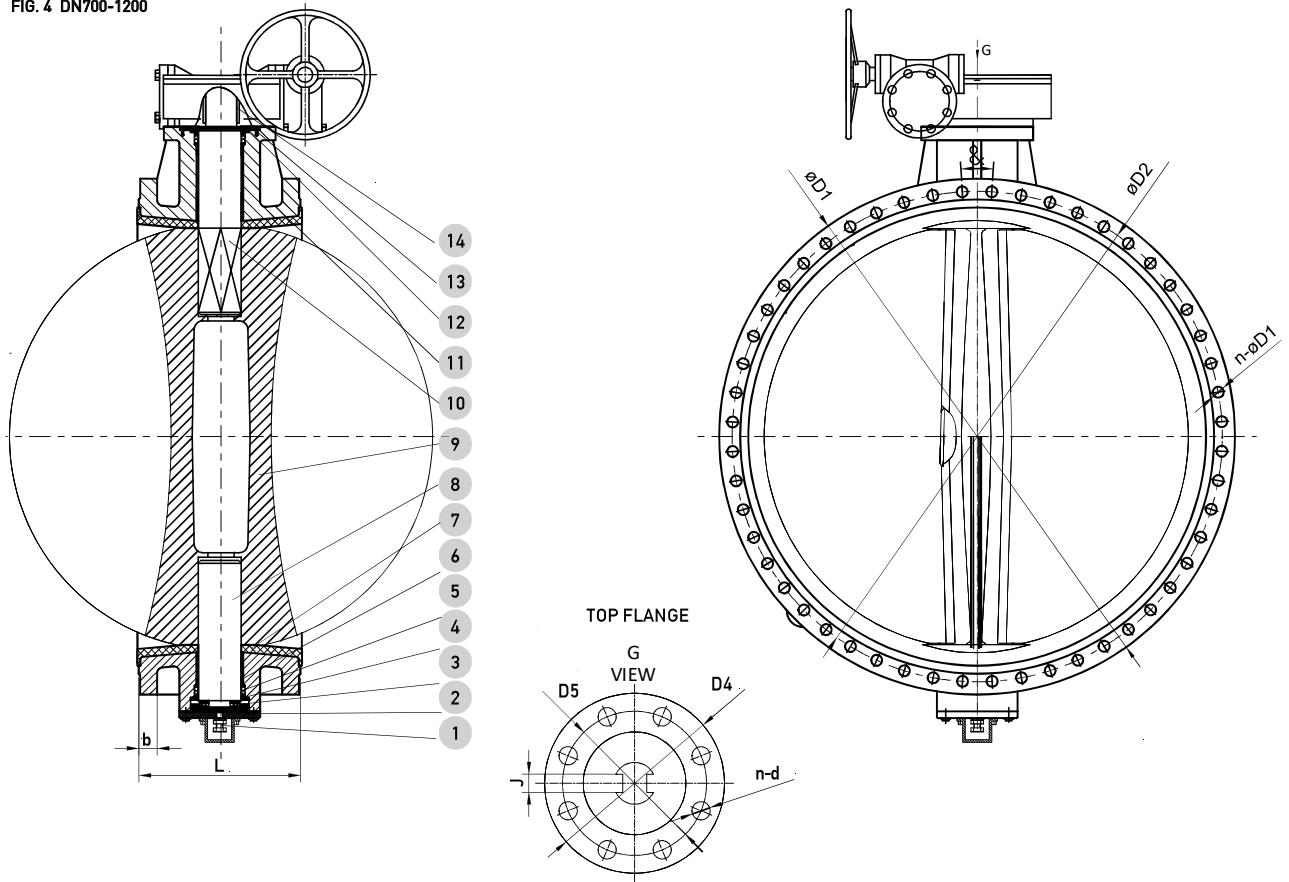
Valves dimensions										PN10					PN16					ANSI150					
DN		A	B	ISO 5211	D4	D5	n-d1	L	L1	HxH	D1	D2	n-d	&	b	D1	D2	n-d	&	b	D1	D2	n-d	&	b
mm	In																								
400	16"	298	349		175	140	4-18	216	221	27x27	515	565	16-28	22.5	24.5	525	580	16-31	22.5	28	539.8	595	16-29	22.5	28
450	18"	330	380		175	140	4-18	222	227	27x27	565	615	20-28	18	25.5	585	640	20-31	18	30	577.9	635	16-32	22.5	30
500	20"	348	448		175	140	4-18	229	234	36x36	620	670	20-28	18	26.5	650	715	20-34	18	31.5	635	700	16-32	18	31.5
600	24"	430	520		210	165	4-22	267	272	36x36	725	780	20-31	18	30	770	840	20-37	18	36	749.3	815	16-35	18	36

all dimensions in mm.

BV12008DF | PN10/PN16/#150



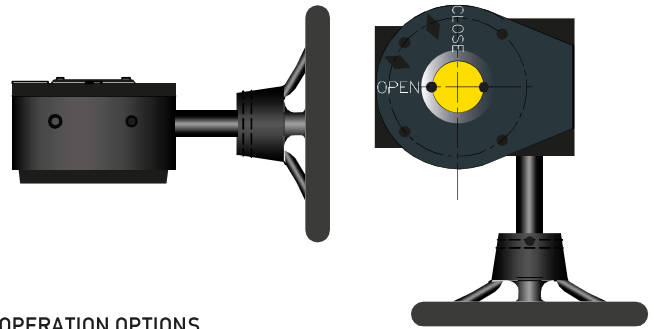
FIG. 4 DN700-1200



MAIN SPARE PARTS MATERIAL

N°	COMPONENT	FIG. 2 DN700-1200
1	End cover	EN1563 EN-GJS-400-15
2	Body	EN1563 EN-GJS-400-15
3	Down shaft	SS410
4	Disc	CF8M
5	Up shaft	SS410
6	Liner (seat)	WRAS EPDM
7	Long Bushing	Brass
8	O-ring	NBR / EPDM / VITON
9	Short bushing	Brass
10	Half ring	Stainless Steel

STANDAR GEAR OPERATED



OPERATION OPTIONS

Double acting actuator, Spring return actuator

VALVE DIMENSIONS

Valves dimensions									PN10					PN16					ANSI150				
DN	A	B	ISO 5211	D4	D5	n-d1	L	HxH	D1	D2	n-d	&	b	D1	D2	n-d	&	b	D1	D2	n-d	&	b
mm	In																						
700	28"		F25	300	254	8-18	292	18x18	895	840	24-31	15	32.5	910	840	24-37	15	39.5	925	863.6	24-35	12.85	39.5
750	30"		F25	300	254	8-18	318	18x18											985	914.4	24-35	12.85	
800	32"		F25	300	254	8-18	318	18x18	1015	950	24-34	15	35	1025	950	24-41	15	43	1060	977.9	24-42	12.85	43
900	36"		F25	300	254	8-18	330	20x20	1115	1050	28-34	12.86	37.5	1125	1050	28-41	12.86	46.5	1170	1085.9	28-42	11.25	46.5
1000	40"		F25	300	254	8-18	410	22x22	1230	1160	38-37	12.86	40	1255	1170	28-44	12.86	50	1290	1200.2	32-42	10	50
1200	48"		F30	350	298	8-22	470	28x28	1455	1380	32-41	11.25	45	1485	1390	32-50	11.25	57	1510	1422.4	40-42	8.18	57
1300	52"		F35	415	356	8-32	500	32x32	1585	1490	32-50	11.25	57	1585	1490	32-50	11.25	57	1625	1536.7	40-48	8.18	27
1400	56"		F35	415	356	8-32	530	36x36	1675	1590	36-44	10	46	1685	1590	36-50	1	60	1745	1651	44-48	7.5	60

all dimensions in mm.