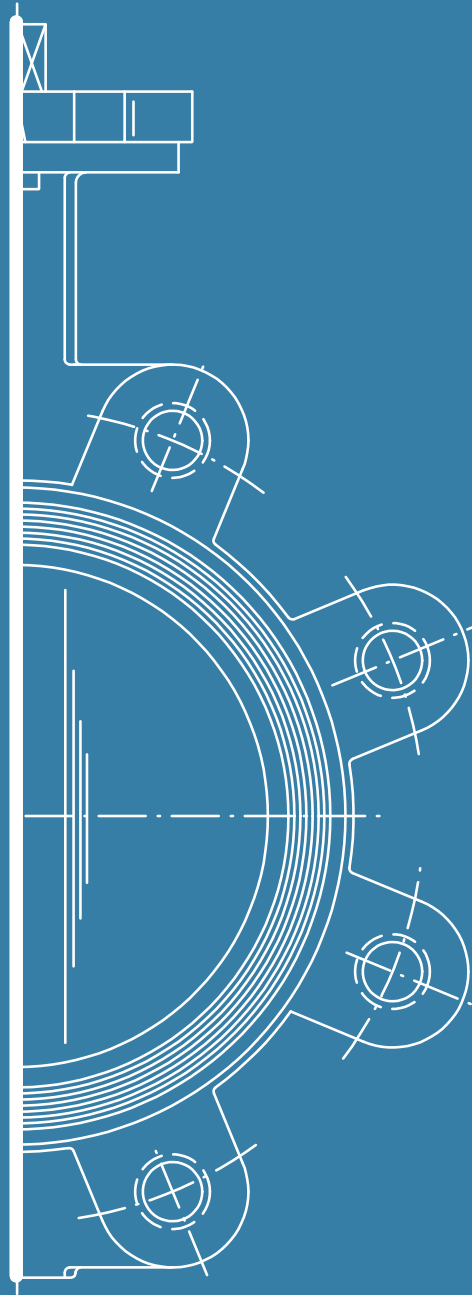




BVALVE

Butterfly valves



Soft-seated Butterfly valves

High quality Soft-seated Butterfly valves	page 04
Shut-off and control butterfly valves	page 05

Wafer Type

Features	page 06
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Lug Type

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Double Flange

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DN250 - DN350	page 25
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Torque values Nm	page 28

High quality Soft-seated Butterfly valves



The BVALVE Soft-seated Butterfly valve is one-piece wafer or lug design with extended neck and a concentric disc and seat configuration to allow for DN40-48" of piping insulation.

Flanges have hole drilling according to international flange standards. The valves are provided with a non-corrosive bushing and self-adjusting stem seal.

Our butterfly valves range include wafer and lug bodies to allow for quick and precise alignment during valve installation.

The valve disc edge and hub on metal discs are spherically machined and hand polished for minimum torque and maximum sealing capability.

The valve stem is one-piece design and mechanically retained in the body neck and no part of the stem is exposed to the line media.

The seat of the valve encapsulates the body to allow totally isolating from the line media and no flange gaskets shall be required.

The wafer and lug valve is rated for bubble-tight shut-off for bidirectional service to 16 bar on sizes DN40-DN300 and to 10 bar on sizes DN350 - DN600. The valve is tested for tight shut-off to 110% of the rated pressure.

Advantages:

- Centric butterfly valve for the effective and safe industrial application.
- Economic equipment with the one-piece body design
- Complete body is lined with elastomer with the seat ring as a multifunctional sealing element

Pneumatic actuated butterfly valves

Spring Return Actuator



BV ASR type: Spring return
 BV ADA type: Double acting
 Rack and pinion design
 Rotation angle $90^\circ \pm 5^\circ$
 (by means of external travel stops)
 Long life without maintenance

Working temperature:
 -30°C to 100°C
 Maximum working pressure:
 8 bar (120 psig)
 Total safety for spring replacement
 Antifriction sliding bearings

Double acting actuator



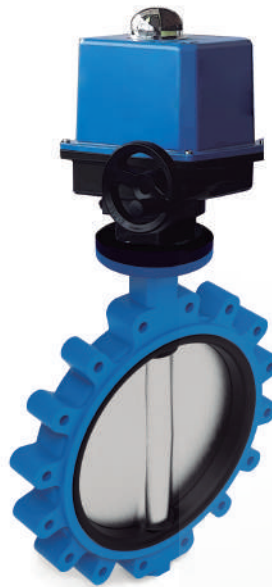
Electric actuated butterfly valves

BV PSR-E



Torque 25 - 50 Nm
 Operating Time
 6 - 80 s for 90° travel
 Enclosure IP65
 according to EN 60529
 Actuator Duty Classification Class C
 (according to DIN EN 22153)
 Ambient Temperature
 -25°C to $+70^\circ\text{C}$

BV PSQ-E



Torque 100 - 150 Nm
 Operating Time
 23 - 32 s for 90° travel
 Enclosure IP65
 according to EN 60529
 Actuator Duty Classification Class C
 (according to DIN EN 22153)
 Ambient Temperature
 -25°C to $+70^\circ\text{C}$

BV PSQ

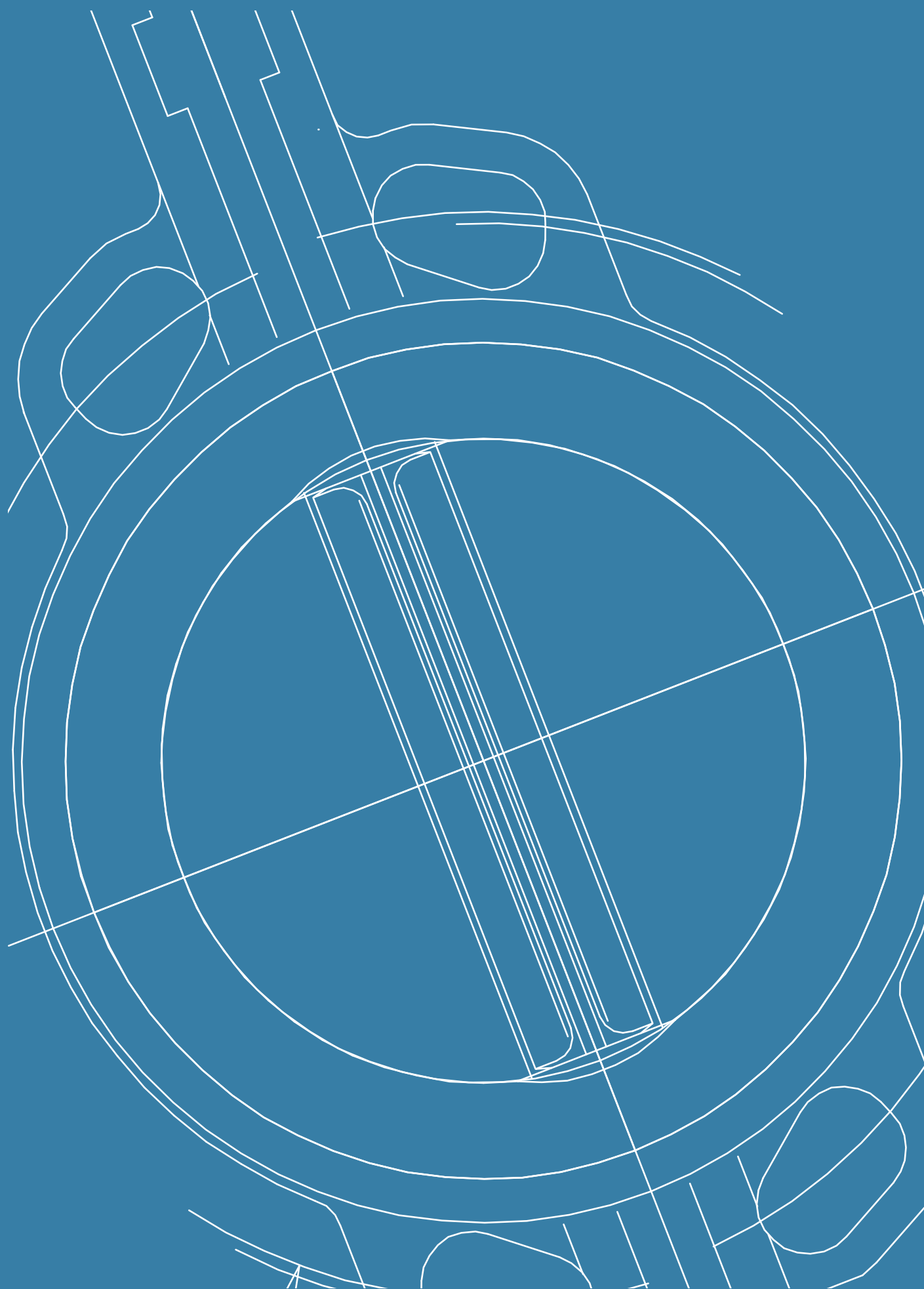


Torque 130 - 2.800 Nm
 Operating Time
 8 - 280 s for 90° travel
 Enclosure IP67
 according to EN 60529
 Actuator Duty Classification Class C
 (according to DIN EN 22153)
 Ambient Temperature
 -20°C to $+80^\circ\text{C}$

Torque values Nm

APLICACION IN WATER

EPDM					VITÓN / NBR / PTFE				
SIZE		6 Bar	10 Bar	16 Bar	SIZE		6 Bar	10 Bar	16 Bar
mm	inch	wet (N.m)	wet (N.m)	wet (N.m)	mm	inch	wet (N.m)	wet (N.m)	wet (N.m)
DN 40	1.5"	8	10	11	DN 40	1.5"	10	13	14
DN 50	2"	9	11	12	DN 50	2"	12	14	16
DN 65	2.5"	15	18	20	DN 65	2.5"	20	23	26
DN 80	3"	22	25	30	DN 80	3"	29	33	39
DN 100	4"	39	43	50	DN 100	4"	51	56	65
DN 125	5"	60	67	77	DN 125	5"	78	87	100
DN 150	6"	94	110	121	DN 150	6"	122	143	157
DN 200	8"	165	201	242	DN 200	8"	215	261	315
DN 250	10"	253	310	352	DN 250	10"	329	403	458
DN 300	12"	352	473	490	DN 300	12"	458	615	637
DN 350	14"		610	920	DN 350	14"		793	1196
DN 400	16"		890	1440	DN 400	16"		1157	1872
DN 450	18"		1240	1780	DN 450	18"		1612	2314
DN 500	20"		1670	2210	DN 500	20"		2171	2873
DN 600	24"		2560	3980	DN 600	24"		3328	5174



BVALVE®

Soft-seated
Butterfly valve
Wafer Type

Soft Seated Butterfly Valve - Wafer type



BV12008W
(DN40-200)
Hand lever operated



BV12008W
(DN250-600)
Gear operated



BV12008W
(DN700 -1200)
Gear operated

Wafer type butterfly valve for installation between flanges EN 1092, PN 10/16, ASME class 150. One-piece body, self-centring, two-piece disc and stem connection, bubble-tight up to 10 bar, vacuum-tight.

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, ATEX, WRAS

Industries and applications

Water / Sewage

Engineering

Food industry

Colouring, Varnish, Dyeing factories

Hand lever



ATEX 2019/34/UE



PED 2019/68/UE



TA-LUFT
VDI 2440

Shut-off and control butterfly valves

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

Seat ring exchangeable

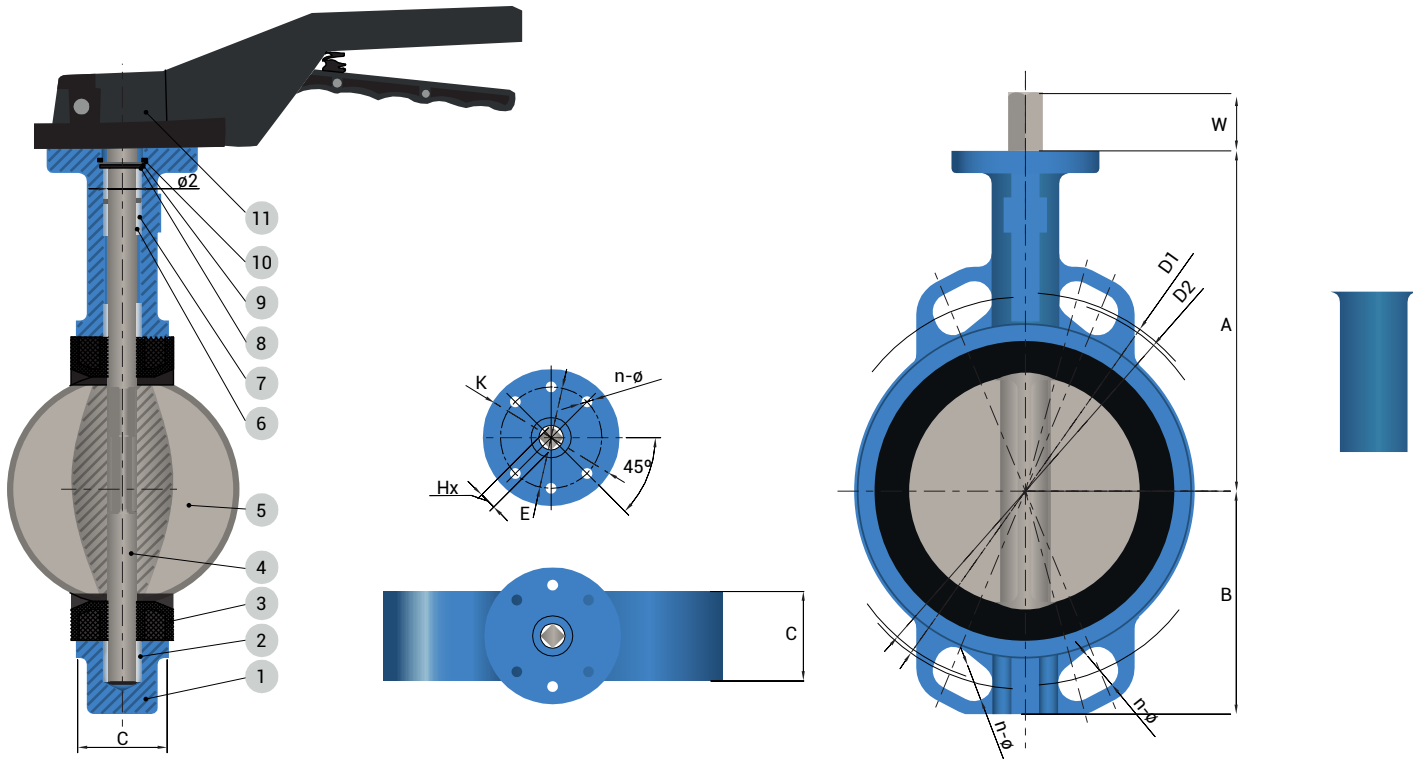
multifunctional sealing element, maintenance-free, long life-span, reliable seal in seat, to the flanges and on the stem coupling, secure latching in the dove tail, embedded with no protruding edges to flange surfaces in the housing

**ZERO
LEAKAGE!**

BV12008W Wafer | PN10/PN16/#150

CE0052TUV NORD

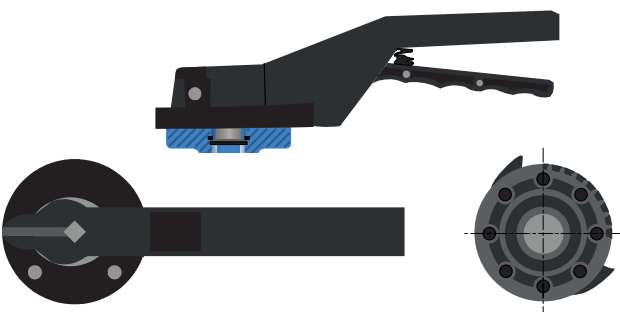
FIG. 1 DN40-200



MAIN SPARE PARTS MATERIAL

Nº	COMPONENT	MATERIALS: DN40-200
1	Body	EN1563 EN-GJS-400-15
2	Long bushing	FRP
3	Liner (seat)	WRAS EPDM/NBR/VITON
4	Shaft	SS410
5	Disc	CF8M
6	Up bushing	FRP
7	O-ring	NBR
8	Half ring	Stainless Steel
9	Gasket	Stainless Steel
10	Snap Spring	SK7
11	Hand lever	Epoxy coated aluminum

STANDARD LEVER OPERATED



OPERATION OPTIONS

Gearbox operated, Double acting actuator, Spring return actuator

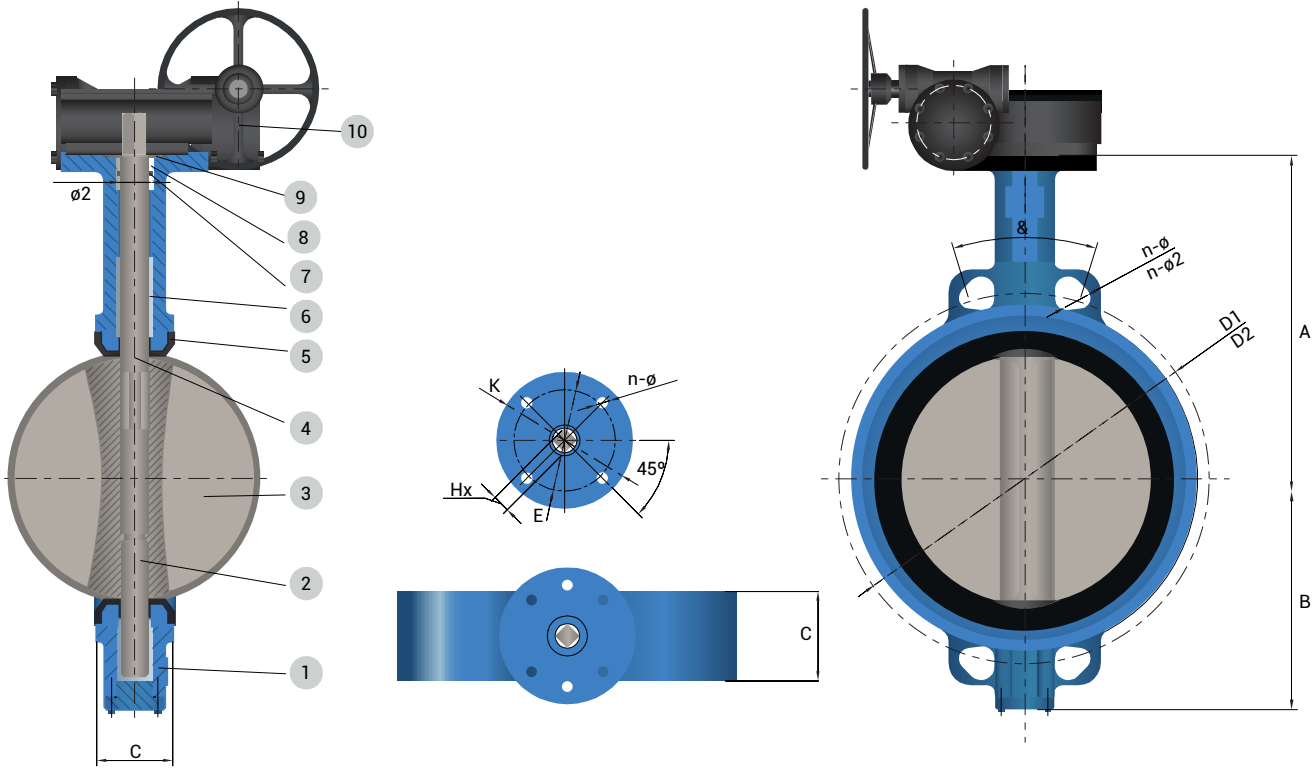
VALVE DIMENSIONS

Valves dimensions												PN10		PN16		ANSI150		WEIGHT
DN		A	B	C	Ø2	ISO 5211	K	E	n-Ø	HxH	W	D1	n-Ø1	D1	n-Ø1	D2	n-Ø2	(kg)
mm	In																	
40	1 ½"	120	65	33	12.6	F07	90	70	4-10	11x11	30	110	4-19	110	4-9	98.4	4-16	2,57
50	2"	140	80	43	12.6	F07	90	70	4-10	11x11	30	125	4-19	125	4-19	120.7	4-20	3,14
65	2 ½"	150	89	46	12.6	F07	90	70	4-10	11x11	30	145	4-19	145	4-19	139.7	4-20	3,47
80	3"	158	95	46	12.6	F07	90	70	4-10	11x11	30	160	8-19	160	8-19	152.4	4-20	4,32
100	4"	176	114	52	15.77	F07	90	70	4-10	11x11	30	180	8-19	180	8-19	190.5	8-20	4,83
125	5"	190	127	56	18.92	F07	90	70	4-10	14x14	34	210	8-19	210	8-19	215.9	8-23	7,52
150	6"	212	139	56	18.92	F07	90	70	4-10	14x14	34	240	8-23	240	8-23	241.3	8-23	8,2
200	8"	236	174	60	22.10	F10	125	102	4-12	17x17	44	295	8/12-23	295	8/12-23	298.5	8-23	13,86

all dimensions in mm.

BV1 2008W Wafer | PN10/PN16/#150 0052

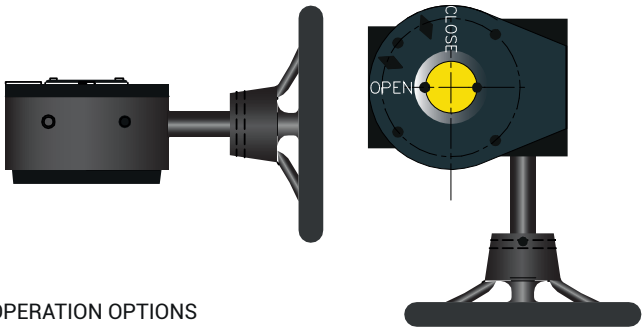
FIG. 2 DN250-500



MAIN SPARE PARTS MATERIAL

N°	COMPONENT	MATERIALS: DN250-500
1	Body	EN1563 EN-GJS-400-15
2	Down shaft	SS410
3	Disc	CF8M
4	Up shaft	SS410
5	Liner (seat)	WRAS EPDM/NBR/VITON
6	Long Bushing	Brass
7	O-ring	NBR
8	Short bushing	Brass
9	Half ring	Stainless Steel
10	Gear box	

STANDARD GEAR OPERATED



OPERATION OPTIONS

Double acting actuator, Spring return actuator

VALVE DIMENSIONS

Valves dimensions											PN10		PN16		ANSI150		WEIGHT
DN		A	B	C	ø2	ISO 5211	K	E	n-ø	HxH	D1	n-ø1	D1	n-ø1	D2	n-ø2	(kg)
mm	In																
250	10"	265	203	68	28.45	F10	125	102	4-12	22x22	350	12-23	355	12-28	362	12-26	24,81
300	12"	305	242	78	31.60	F10	125	102	4-12	22x22	400	12-23	410	12-28	431.8	12-26	38,4
350	14"	368	267	78	31.60	F10/F14	175	102/140	4-12/18	22x22	460	16-23	470	16-28	476.3	12-29	42
400	16"	400	309	102	37.95	F14/F16	210	140/165	4-18/22	27x27	515	16-28	525	16-31	539.8	16-29	89
450	18"	422	340	114	37.95	F14/F16	210	140/165	4-18/22	27x27	565	20-28	585	20-31	577.9	16-32	98
500	20"	440	362	127	45.72	F14/F16	210	140/165	4-18/22	36x36	620	20-28	650	20-34	635	20-32	128

all dimensions in mm.

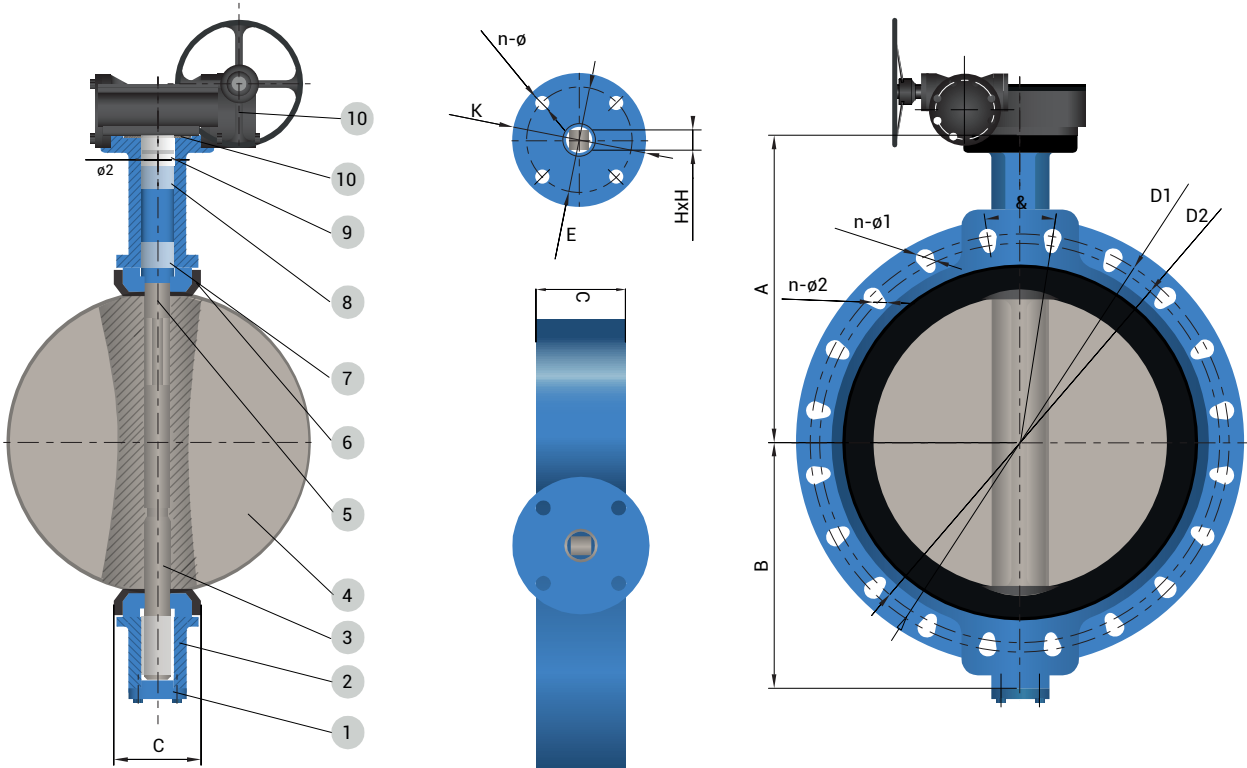
BV12008W Wafer | PN10/PN16/#150

CE

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TUV NORD

FIG. 3 DN600

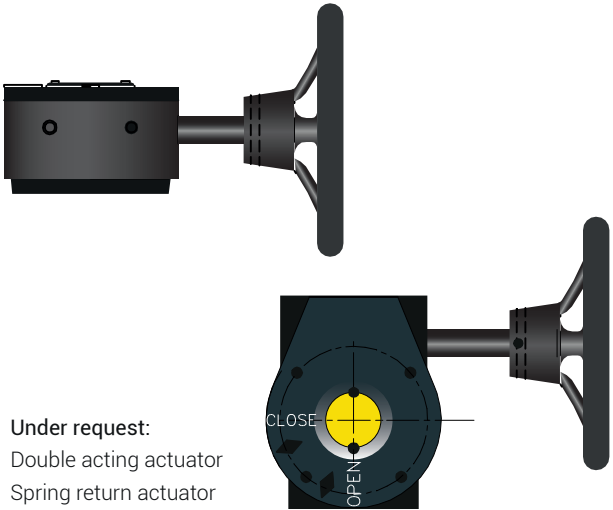


MAIN SPARE PARTS MATERIAL

N°	COMPONENT	FIG. 1 DN600
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/NBR/VITON
7	Long Bushing	Brass
8	O-ring	NBR
9	Short bushing	Brass
10	Half ring	Stainless Steel
11	Gearbox	

OPERATION OPTIONS

Standard gear operated



VALVE DIMENSIONS

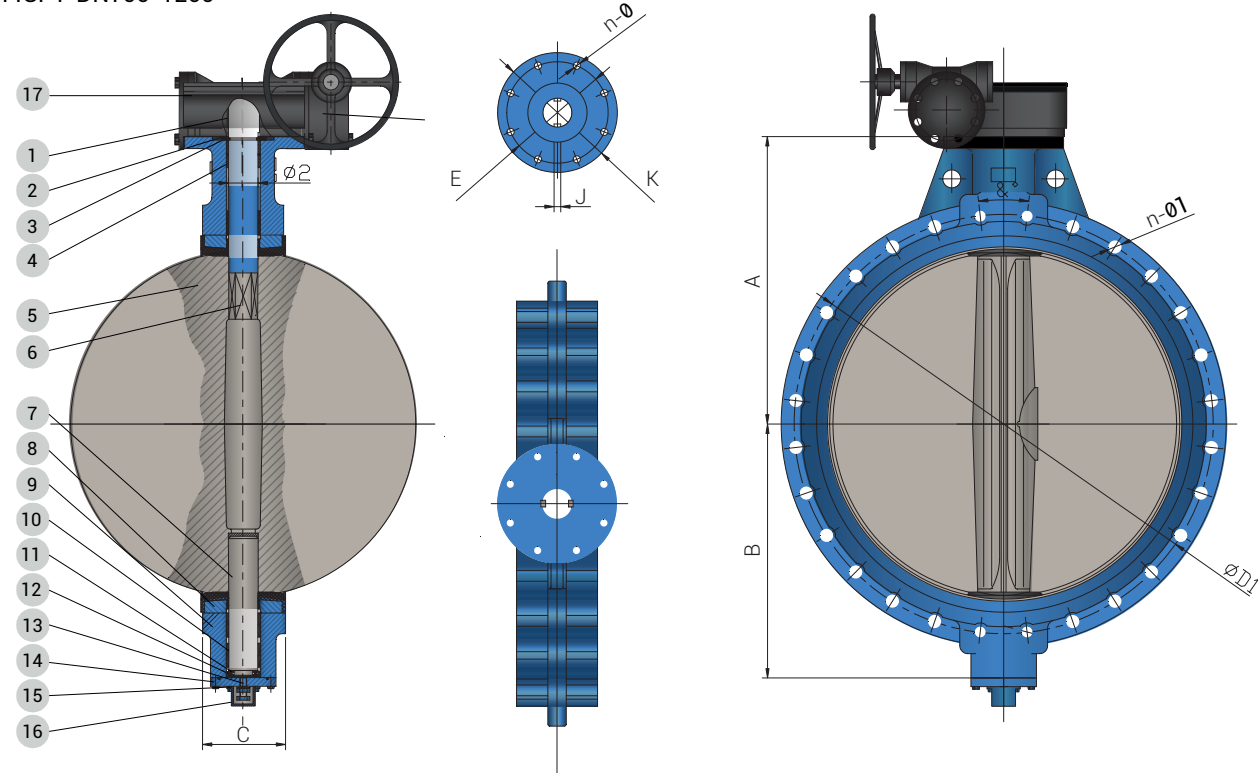
Valves dimensions											PN10		PN16		ANSI150		WEIGHT
DN		A	B	C	ISO 5211	K	E	n-Ø	HxH	&	D1	n-Ø1	D1	n-Ø1	D2	n-Ø2	(kg)
mm	In																
600	24"	565	452	154	F16	210	165	4-22	36x36	18	725	20-31	770	20-37	749.3	20-35	236

all dimensions in mm.

BV12008W Wafer | PN10/PN16/#150

CE0052TUV NORD

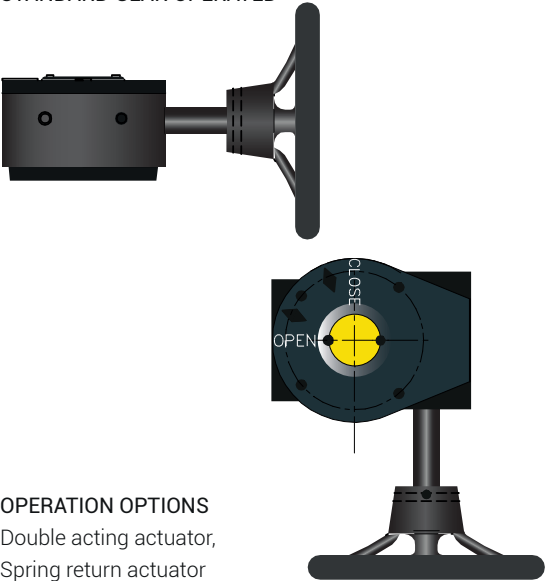
FIG. 4 DN700-1200



MAIN SPARE PARTS MATERIAL

N°	COMPONENT	FIG. 1 DN600
1	Protect Cap	Stainless Steel
2	"O" Ring	NBR
3	End Cover	EN1563 EN-GJS-400-15 ASME: A536 65-45-12
4	Adjust Bolt	A2
5	Adjust House	Stainless Steel
6	Single Side Thrust Bearing	Assembly
7	Bushing	Brass
8	Body	EN1563 EN-GJS-400-15 ASME: A536 65-45-12
9	Liner(Seat)	WRAS EPDM
10	Down Shaft	SS410
11	Up Shaft	SS410
12	Disc	CF8M
13	Short Bushing	Brass
14	Half Ring	Stainless Steel
15	Gasket	Stainless Steel
16	Key	Carbon steel
17	Gear box	

STANDARD GEAR OPERATED

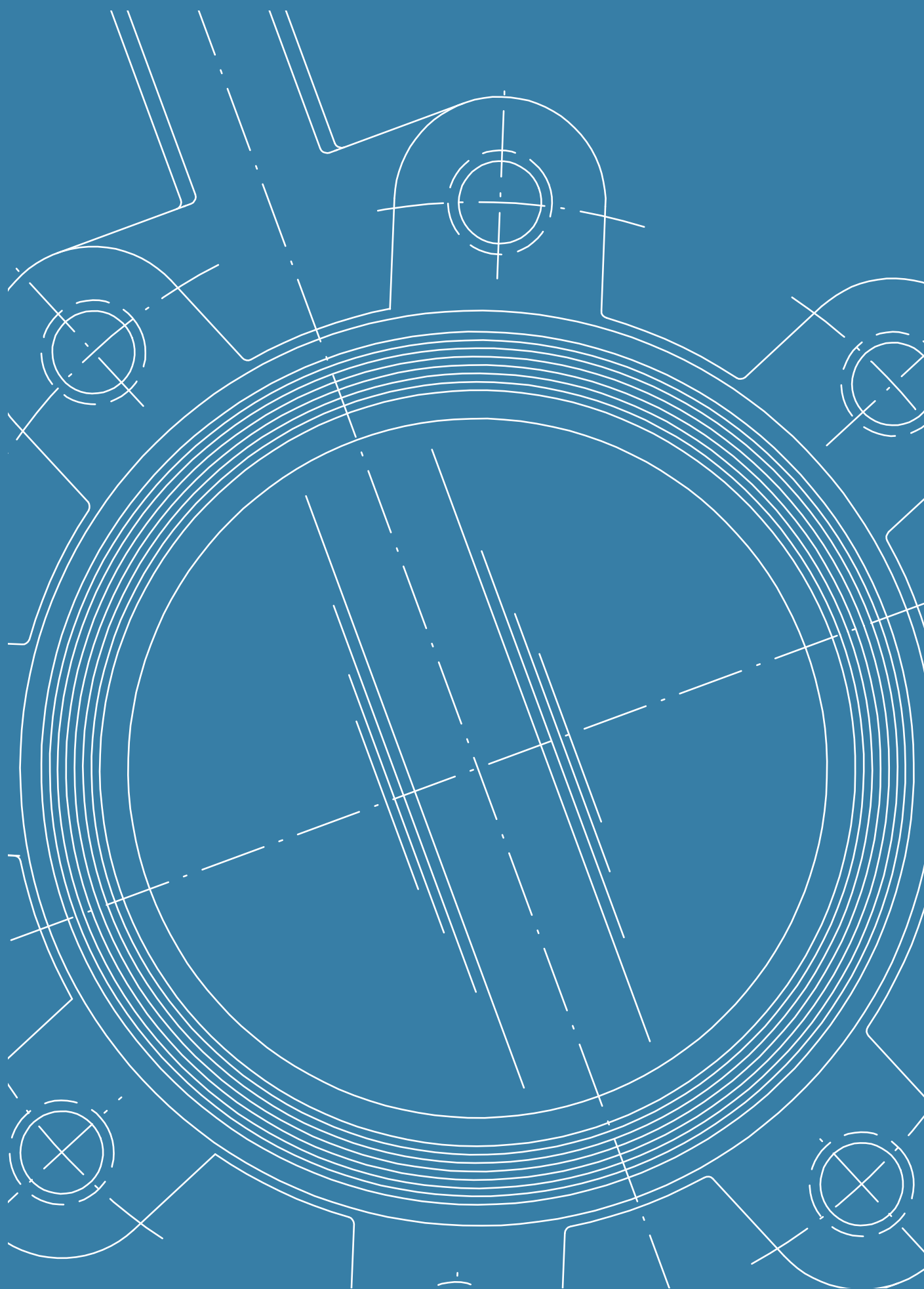


OPERATION OPTIONS
Double acting actuator,
Spring return actuator

VALVE DIMENSIONS

Valves dimensions											PN10			PN16			ANSI150		
DN		A	B	C	Ø2	ISO 5211	K	E	n-Ø	J	ØD1	n-Ø1	&	ØD1	n-Ø1	&	ØD1	n-Ø1	&
mm	In																		
700	28"	624	510	165	63.35	F25	300	254	8-18	18	840	20-31	15	840	20-37	15	863.6	24-36	12.85
750	30"	663	546	165	63.35	F25	300	254	8-18	18	-	-	-	-	-	-	914.4	24-36	12.85
800	32"	672	580	190	63.35	F25	300	254	8-18	18	950	20-34	15	950	20-41	15	977.9	24-42	12.85
900	36"	720	633	200/203	75	F25	300	254	8-18	20	1050	24-34	12.85	1050	24-41	12.85	1085.8	28-42	11.25
1000	40"	805	710	216	85	F25	300	254	8-18	33	1160	24-37	12.85	1170	24-44	12.85	1200.1	32-42	10
1200	48"	942	845	254/276	105	F30	350	298	8-22	28	1380	28-41	11.25	1390	28-50	11.25	1422.4	40-42	8.18

all dimensions in mm.



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, ATEX, WRAS

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



Shut-off and control butterfly valves - Lug

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

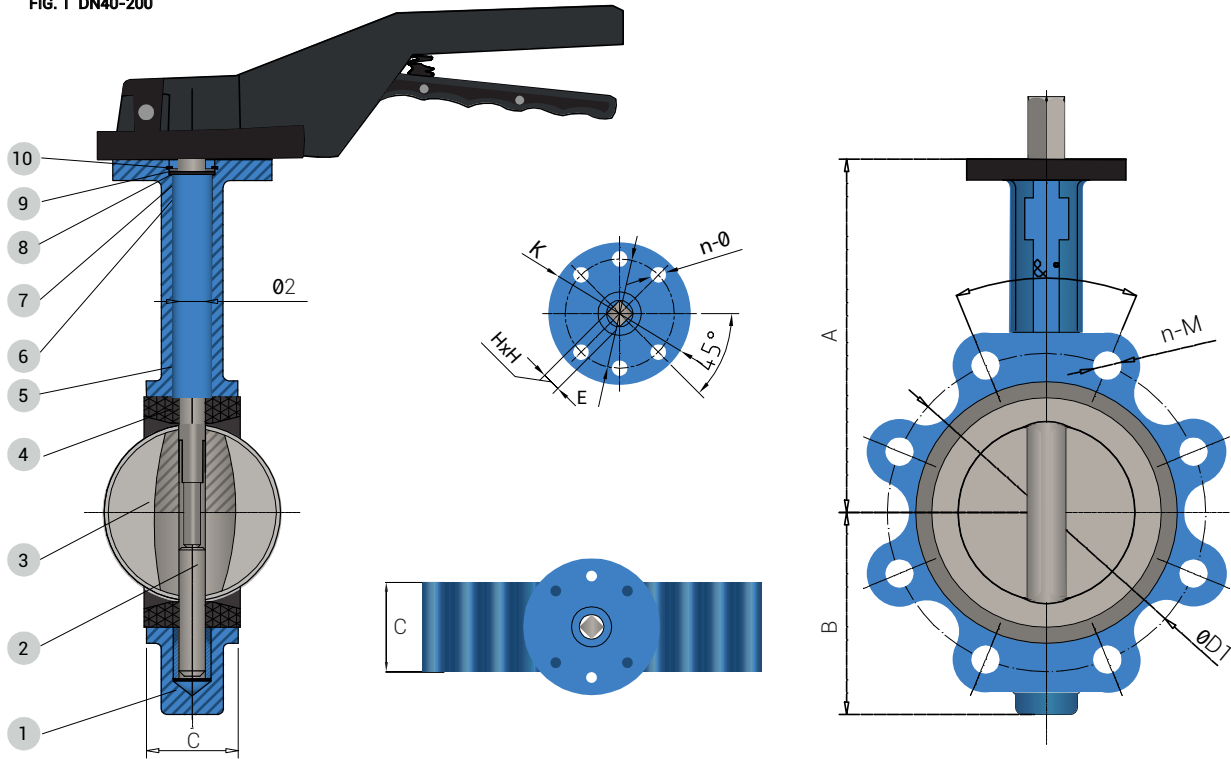
BV12008L Lug

| PN10/PN16/#150

CE0052

TUV NORD

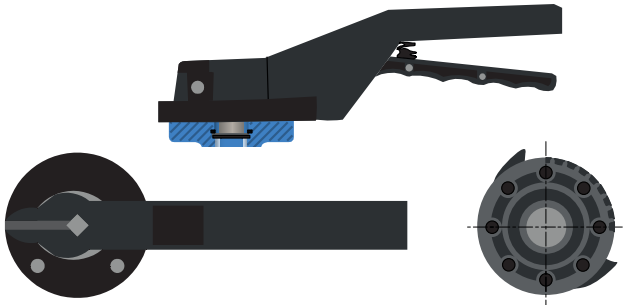
FIG. 1 DN40-200



MAIN SPARE PARTS MATERIAL

N°	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 / FKM
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		WEIGHT
DN mm	In	A	B	C	Ø2	ISO 5211	K	E	n-Ø	&	H	W	ØD1	n-M	ØD1	n-M	ØD1	n-M	(kg)
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	2,98
50	2"	140	80	43	12.6	F07	90	70	4-10	90	11	30	125	4-M16	125	4-M16	125	4-M16	3,92
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	4,59
80	3"	158	95	46	12.6	F07	90	70	4-10	45	11	30	160	4-M16	160	8-M16	160	8-M16	5,53
100	4"	176	114	52	15.77	F07	90	70	4-10	45	11	30	180	8-M16	180	8-M16	180	8-M16	7,45
125	5"	190	127	56	18.92	F07	90	70	4-10	45	14	34	210	8-M16	210	8-M16	210	8-M16	9,73
150	6"	211	139	56	18.92	F07	90	70	4-10	45	14	34	240	8-M20	240	8-M20	240	8-M20	11,02
200	8"	235	175	60	22.10	F10	125	102	4-12	45	17	44	295	8-M20	295	8-M20	295	8-M20	17,58

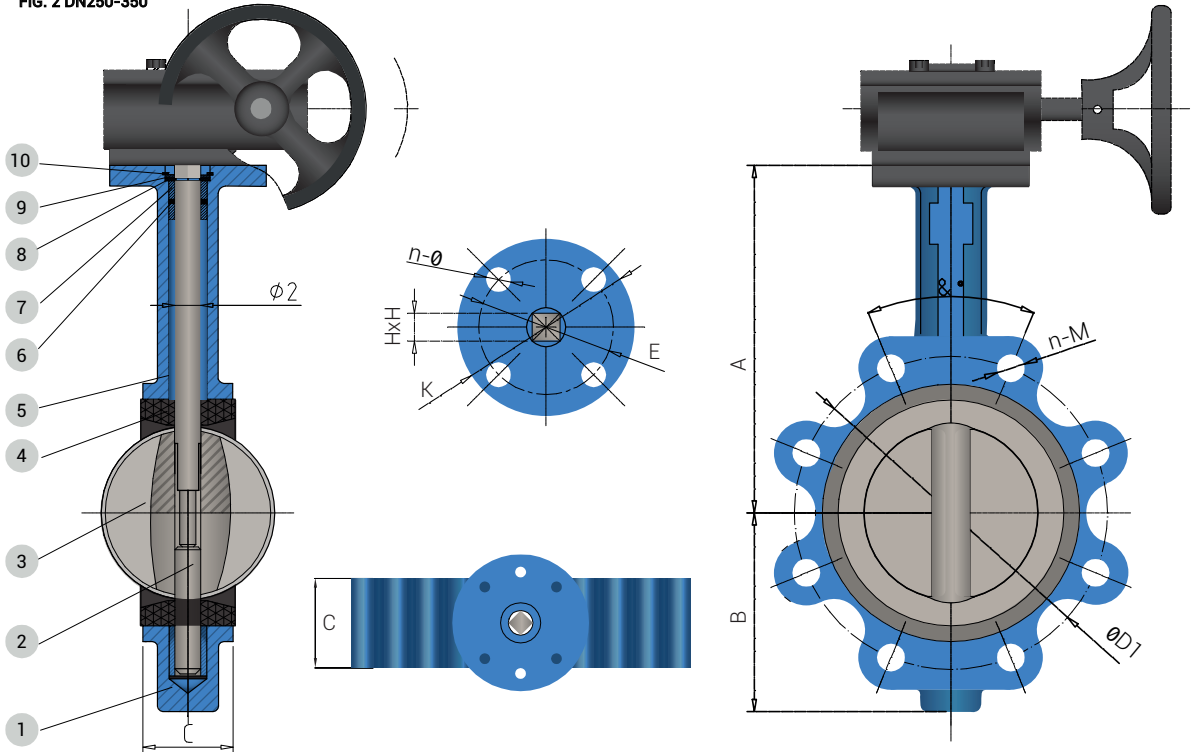
all dimensions in mm.

BV12008L Lug

PN10/PN16/#150



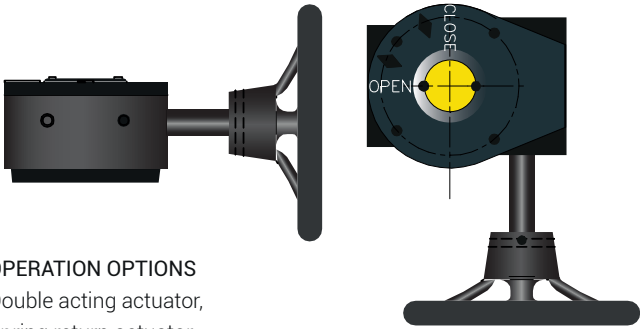
FIG. 2 DN250-350



MAIN SPARE PARTS MATERIAL

N°	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 / FKM
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		WEIGHT	
DN		A	B	C	ø2	ISO 5211	K	E	n-ø	&	H	øD1	n-M	øD1	n-M	øD1	n-M	(kg)
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	30,15
300	12"	305	242	78	31.60	F10	125	102	4-12	30	22	400	12-M20	400	12-M20	400	12-M20	47,27
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	58

all dimensions in mm.

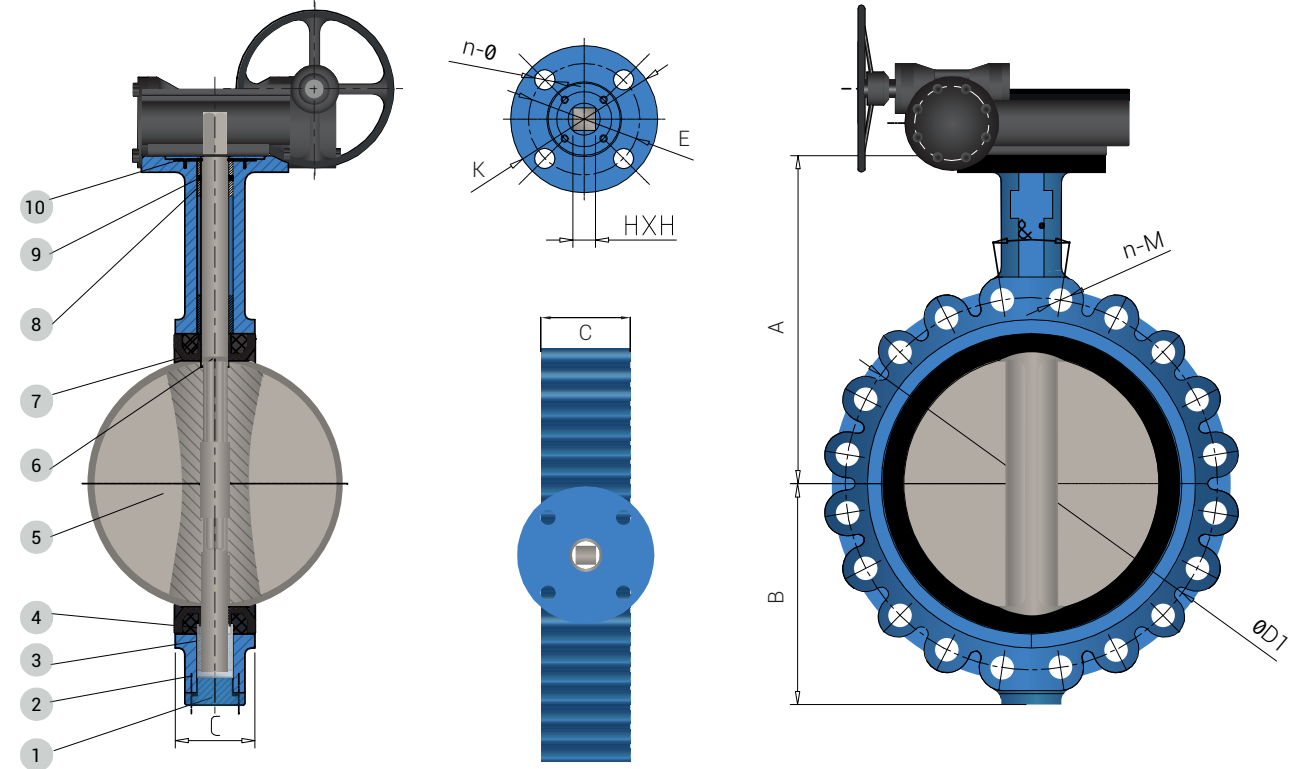
BV12008L Lug

PN10/PN16/#150

CE0052

TUV NORD

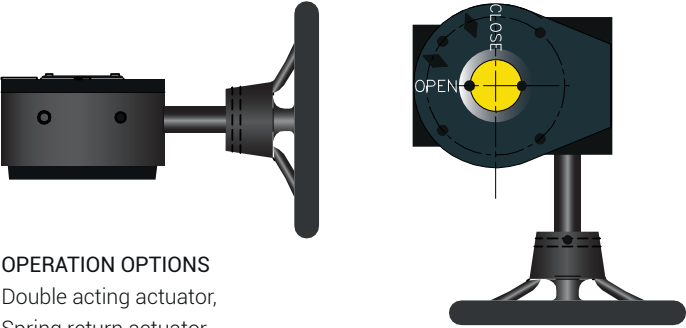
FIG. 3 DN400-600



MAIN SPARE PARTS MATERIAL

Nº	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 / FKM
10	Half ring	Stainless Steel

STANDAR GEAR OPERATED



OPERATION OPTIONS
Double acting actuator,
Spring return actuator

VALVE DIMENSIONS

Valves dimensions											PN10		PN16		ANSI150		WEIGHT
DN		A	B	C	ISO 5211	K	E	n-Ø	&	HxH	ØD1	n-M	ØD1	n-M	ØD1	n-M	(kg)
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	118
450	18"	422	320	114	F14/F16	210	140/165	4-18/22	18	27x27	565	20-M24	565	20-M24	565	20-M24	140
500	20"	455	365	127	F14/F16	210	140/165	4-18/22	18	36x36	620	20-M24	620	20-M24	620	20-M24	170
600	24"	565	445	154	F16	210	165	4-22	18	36x36	725	20-M27	725	20-M27	725	20-M27	256

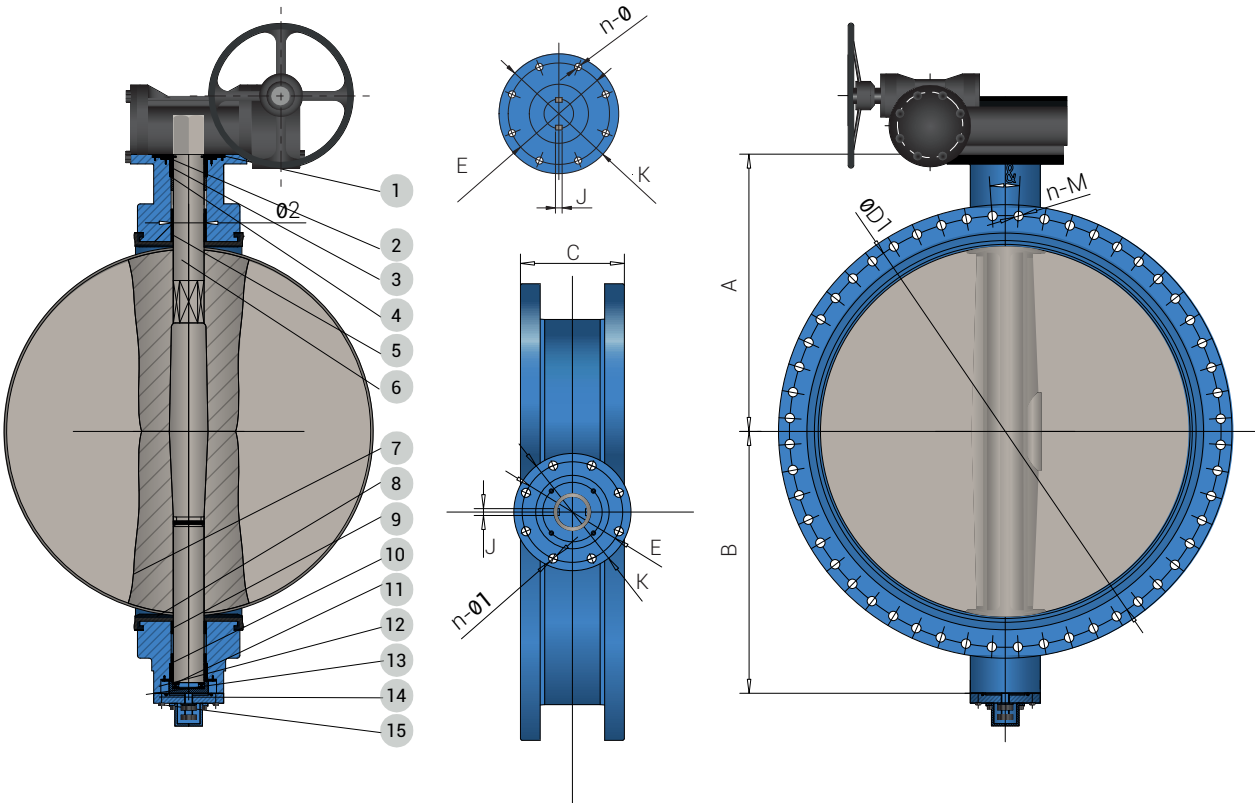
all dimensions in mm.

BV12008L Lug

PN10/PN16/#150



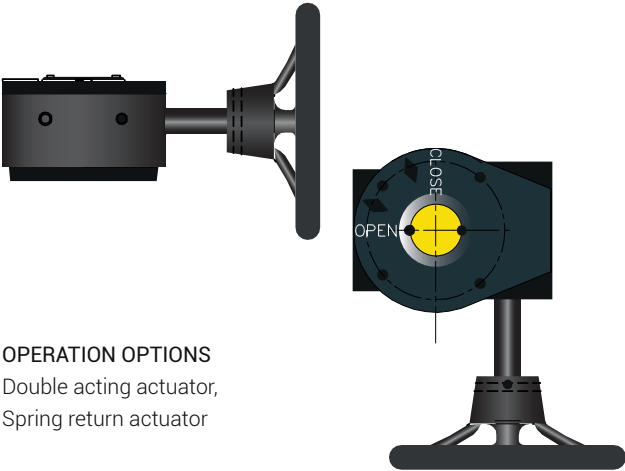
FIG. 4 DN700-1200



MAIN SPARE PARTS MATERIAL

Nº	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	Assembly
6	Down Shaft	410/416/420/431
7	Bushing	Brass
8	LINER(SEAT)	EPDM/NBR/FKM
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

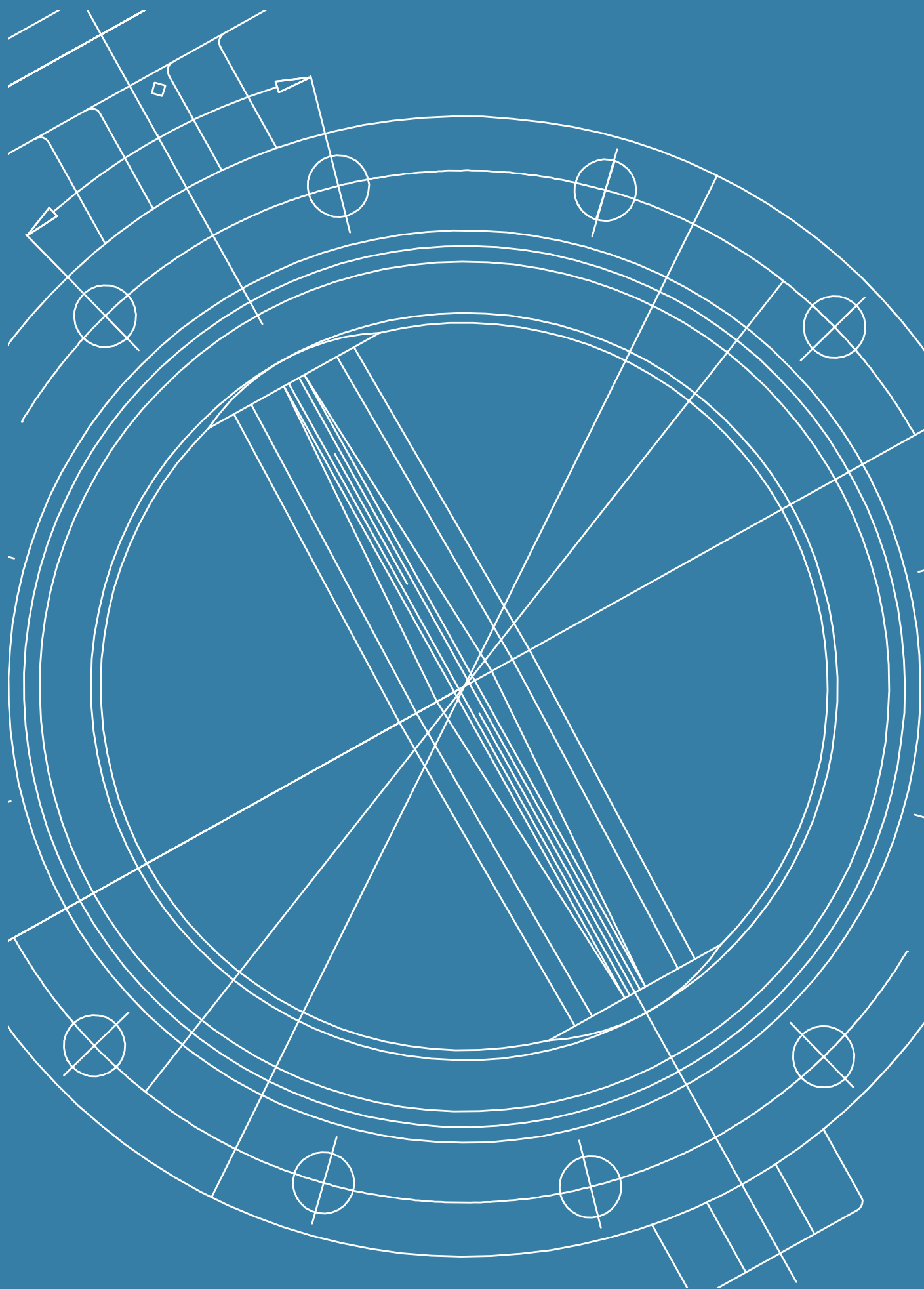


OPERATION OPTIONS
Double acting actuator,
Spring return actuator

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	

all dimensions in mm.



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, ATEX, WRAS

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



Soft Seated Butterfly Valve - Double

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

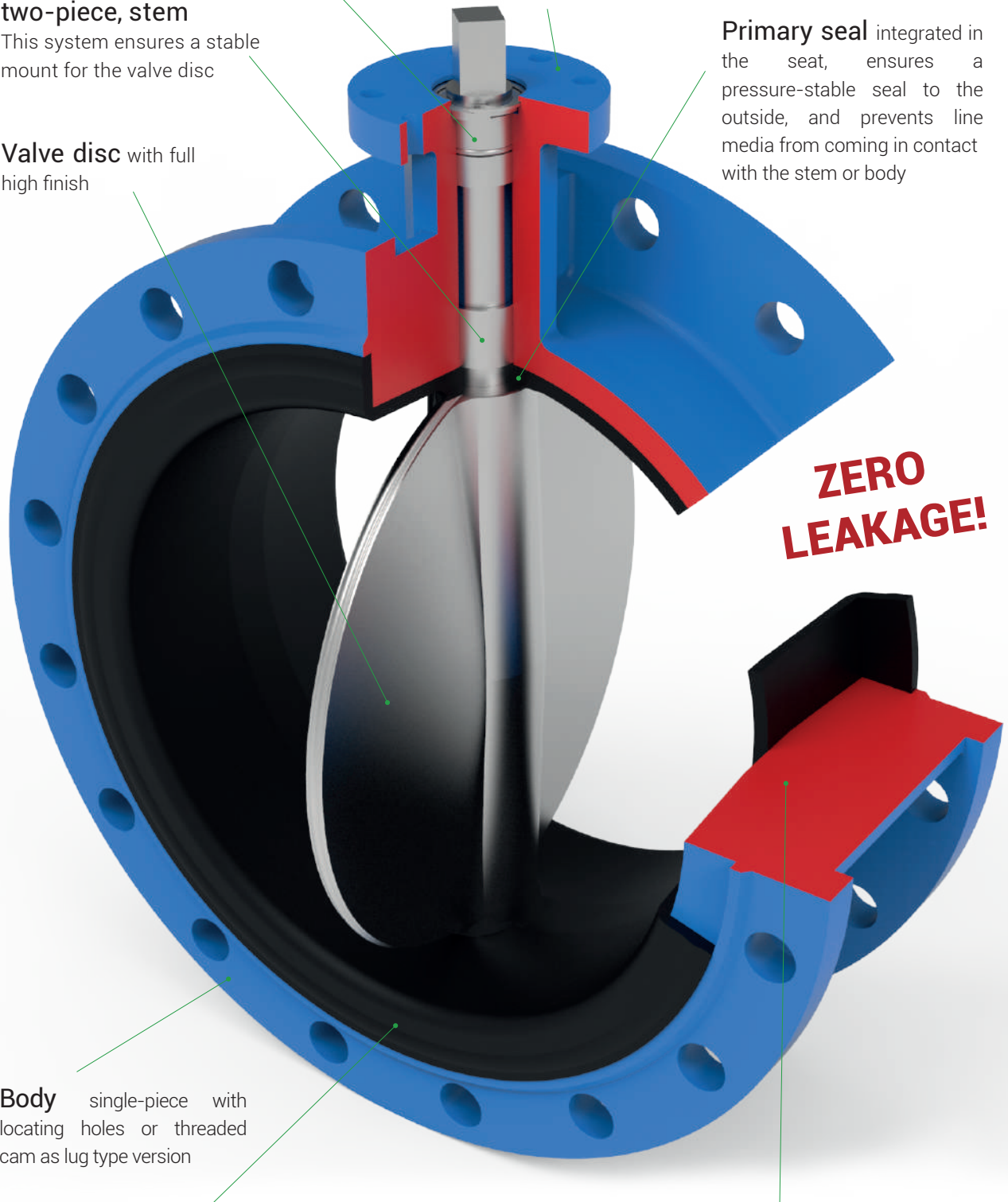
Primary seal integrated in the seat, ensures a pressure-stable seal to the outside, and prevents line media from coming in contact with the stem or body

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

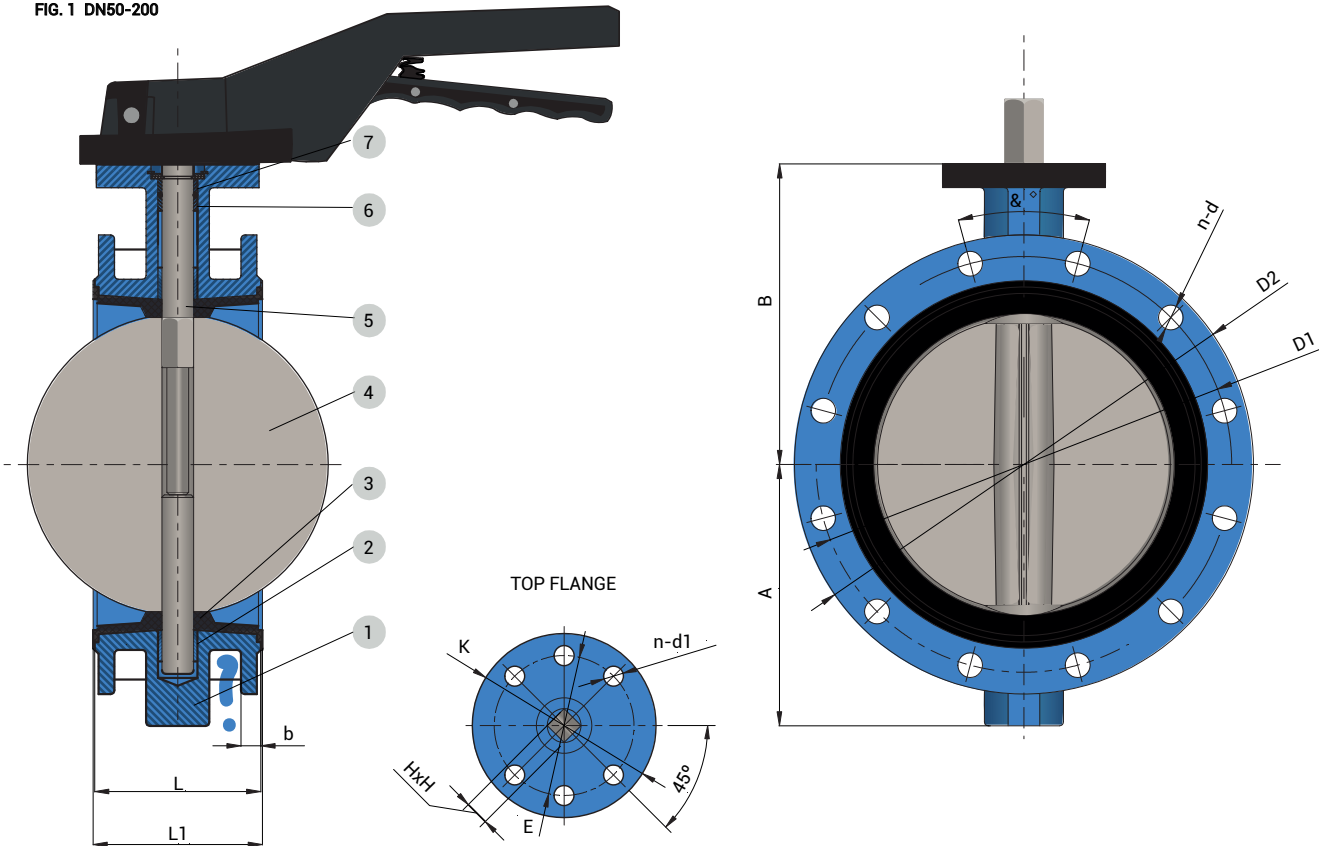
Seat ring exchangeable multifunctional sealing element, maintenance-free, long life-span, reliable seal in seat, to the flanges and on the stem coupling, secure latching in the dove tail, embedded with no protruding edges to flange surfaces in the housing



BV12008DF | PN10/PN16/#150



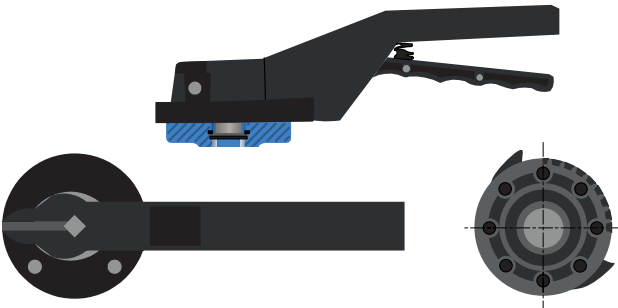
FIG. 1 DN50-200



MAIN SPARE PARTS MATERIAL

Nº	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 / FKM

STANDAR LEVER OPERATED



OPERATION OPTIONS

Gearbox operated, Double acting actuator, Spring return actuator

VALVE DIMENSIONS

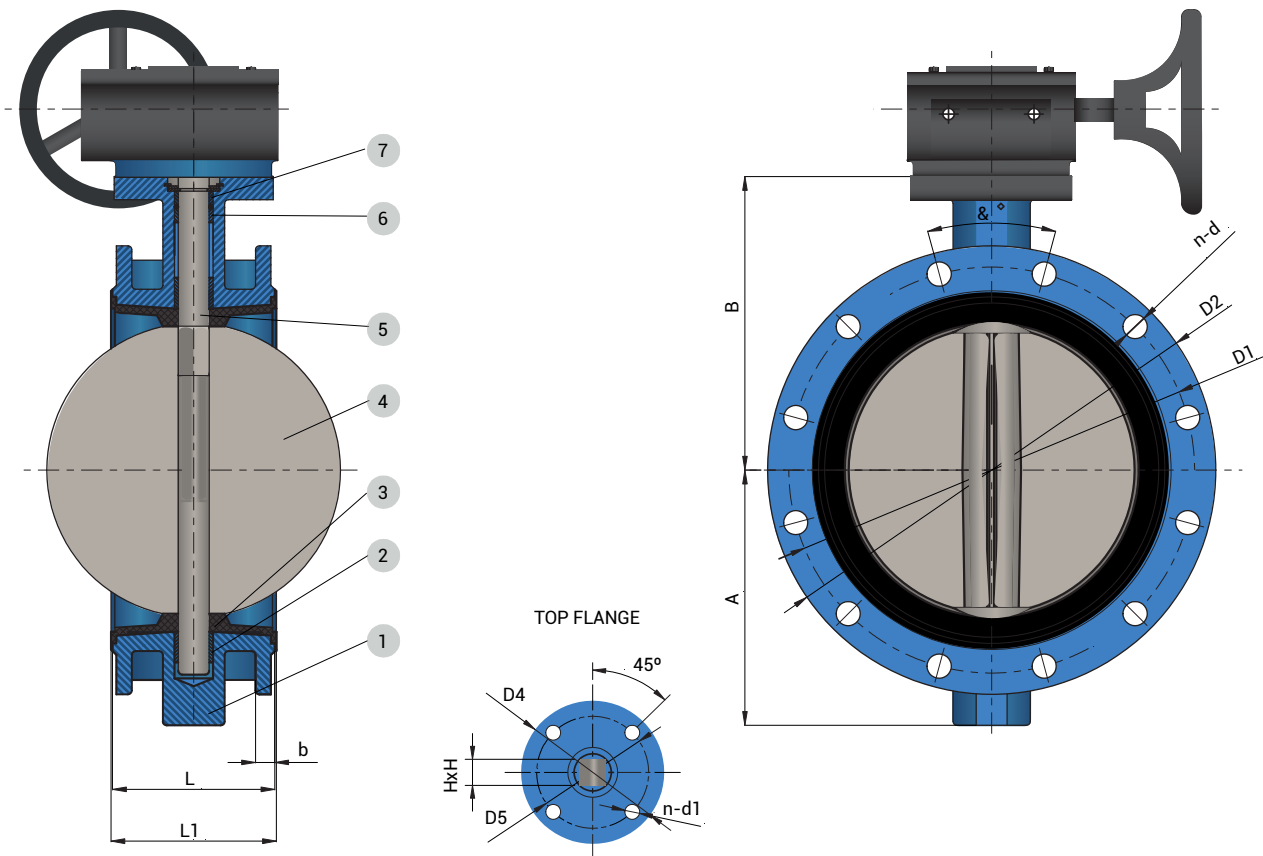
Valves dimensions											PN10					PN16					ANSI150				
DN		A	B	ISO 5211	D4	D5	n-d1	L	L1	HxH	D1	D2	n-d	&	b	D1	D2	n-d	&	b	D1	D2	n-d	&	b
mm	In																								
50	2"	80	110	F07	90	70	4-10	108	111	11x11	125	165	4-19	90	19	125	165	4-19	90	19	120.7	150	4-19	90	19
65	2 ½"	82	137	F07	90	70	4-10	112	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



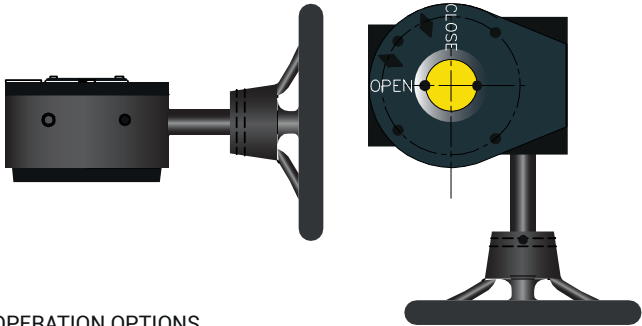
FIG. 2 DN250-350



MAIN SPARE PARTS MATERIAL

Nº	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 / FKM
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

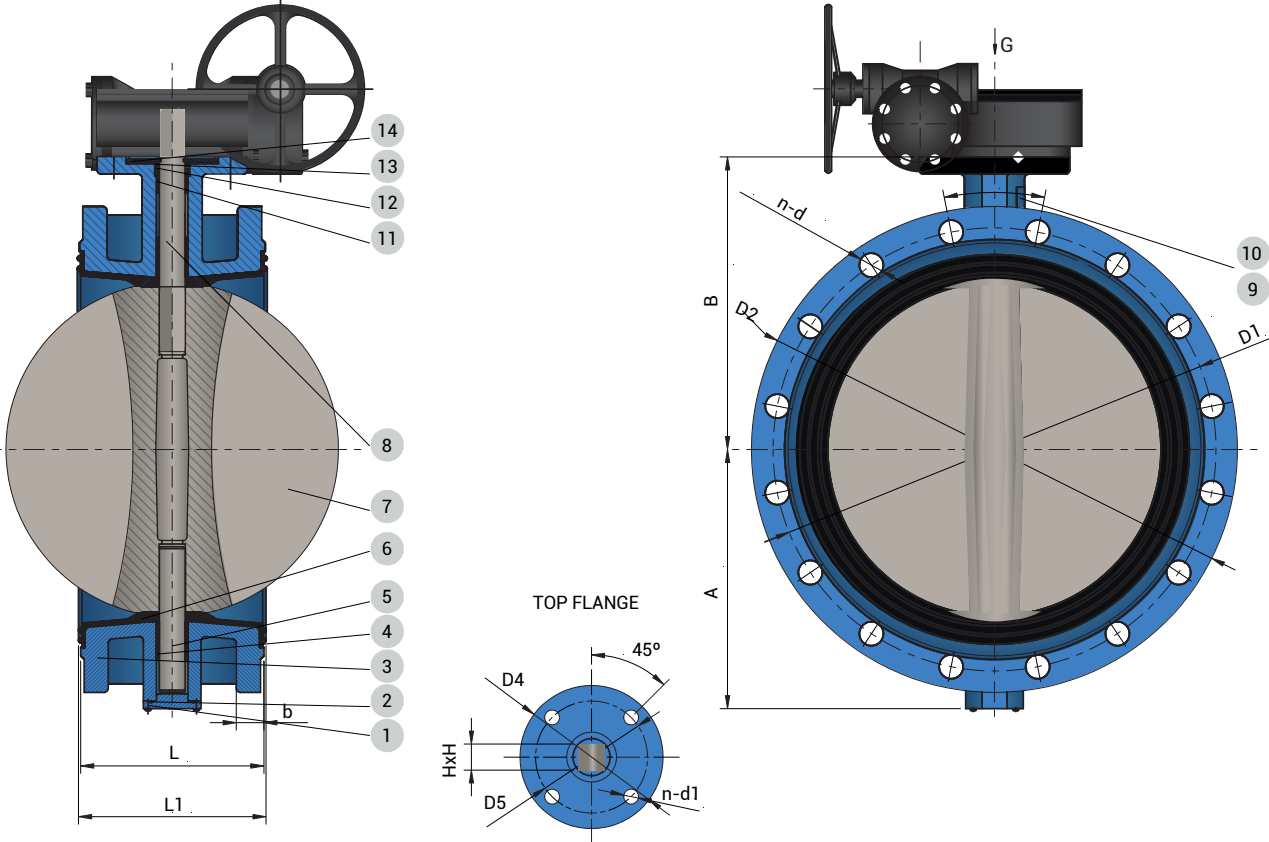
Valves dimensions										PN10					PN16					ANSI150					
DN		A	B	ISO 5211	D4	D5	n-d1	L	L1	HxH	D1	D2	n-d	&	b	D1	D2	n-d	&	b	D1	D2	n-d	&	b
mm	In																								
250	10"	210	250	F10	125	102	4-12	165	168	22x22	350	395	12-23	30	22	355	405	12-28	30	22	362	405	12-26	30	22
300	12"	242	278	F10	125	102	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



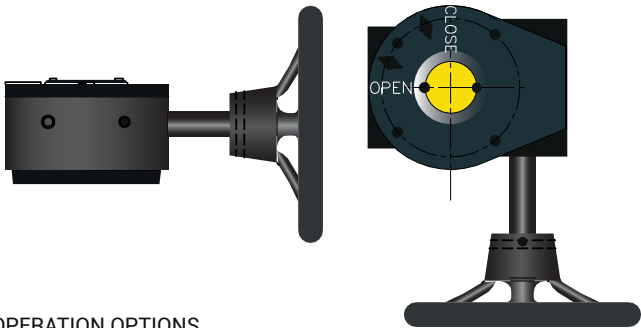
FIG. 3 DN400-600



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 / FKM
9	Short bushing	Brass
10	Half ring	Stainless Steel

STANDAR GEAR OPERATED



OPERATION OPTIONS

Double acting actuator, Spring return actuator

VALVE DIMENSIONS

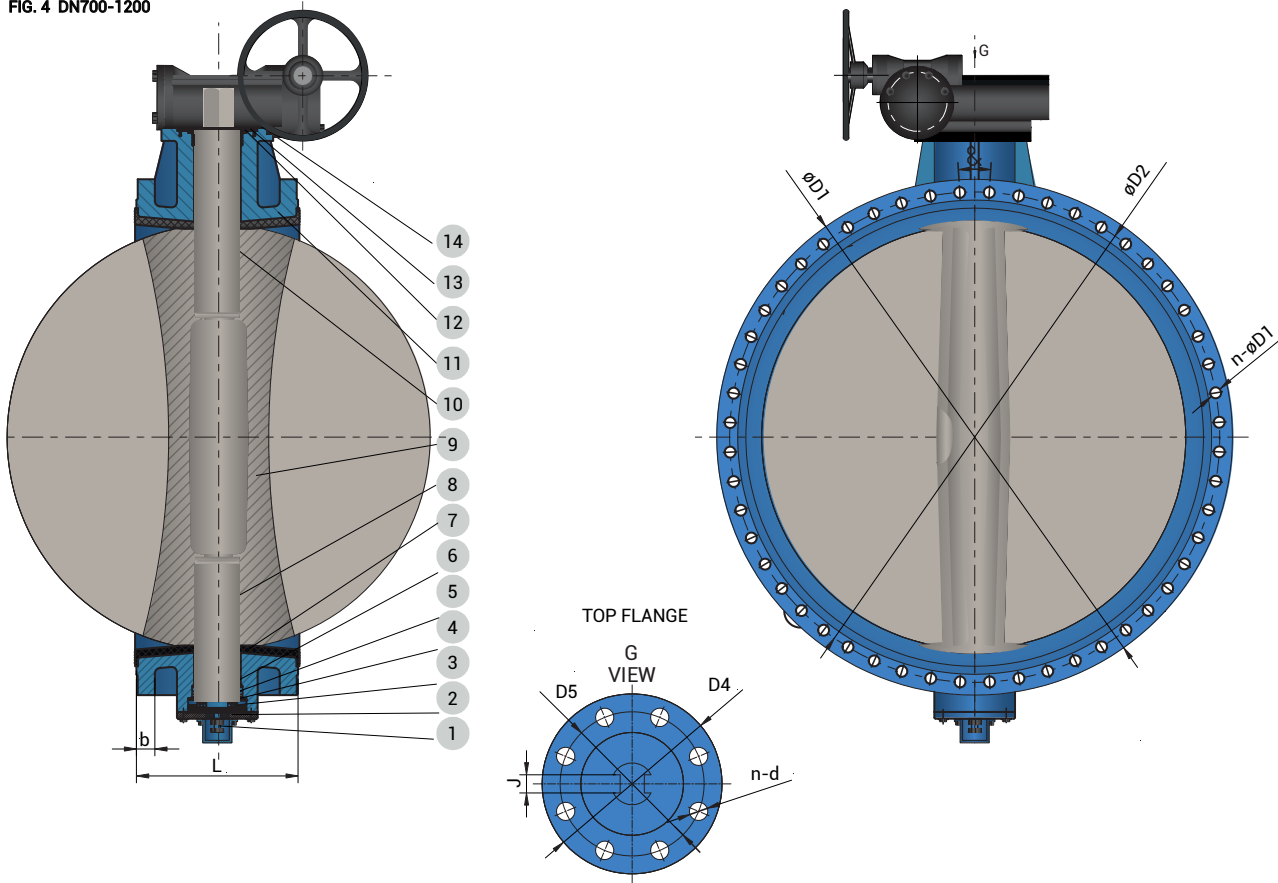
Valves dimensions											PN10					PN16					ANSI150				
DN		A	B	ISO 5211	D4	D5	n-d1	L	L1	HxH	D1	D2	n-d	&	b	D1	D2	n-d	&	b	D1	D2	n-d	&	b
mm	In																								
400	16"	298	349		175	140	4-18	216	221	27x27	515	565	16-28	22.5	24.5	525	580	16-31	22.5	28	539.8	595	16-29	22.5	28
450	18"	330	380		175	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



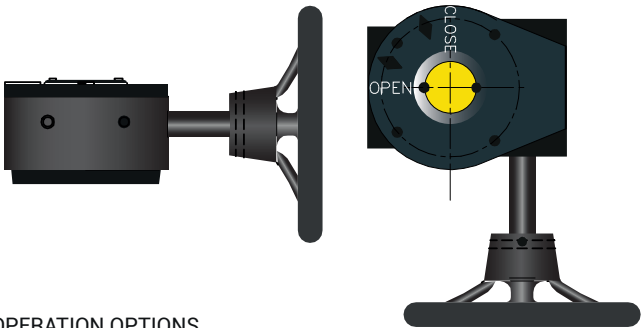
FIG. 4 DN700-1200



MAIN SPARE PARTS MATERIAL

Nº	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 / FKM
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.

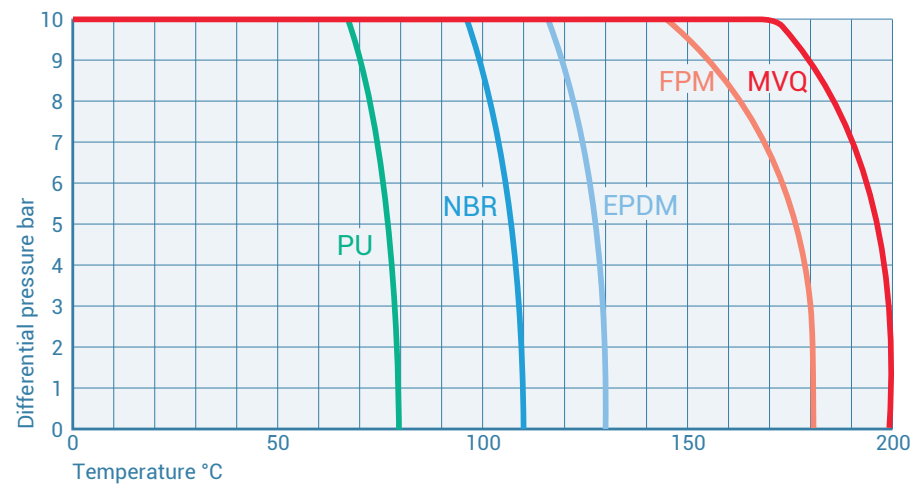
Pressure and temperature range diagram

Control range

20 ° – 60 ° opening
angle

Vacuum-tight

up to 10-2 mbar(a)
Valves DN 50 to DN 500
max. differential



Lug style body

If it is removed from the flange on one side, max. differential pressure = 6 bar

The pressure and temperature range diagram shows the application limits of the different seat ring materials.

These limits apply to the intended use.

Process variables and characteristics of the medium can influence the values of the diagram.

Temperatures below 0 °C upon request.



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