

CONCENTRIC WAFER BUTTERFLY VALVE INITIAL RANGE CAST IRON BODY STAINLESS STEEL DISC AND EPDM ACS SEAT

Wafer butterfly valve initial range for drinking water.

Ductile iron EN GJS-400-15 body, stainless steel disc and EPDM ACS seat.

Between flanges PN6, PN10, PN16, Class 150 or JIS10K according to DN. 5 years of warranty.

Handling possible with gearbox.

Thanks to the ISO 5211 plate, an actuator can be installed on the valve.



Certificate
3.1



Size : DN32/40 to DN300

Connection : Between flanges PN6, PN10/16, Class 150 or JIS10K*

Min Temperature : -15°C

Max Temperature : +110°C (130°C temporarily)

Max Pressure : 16 Bars

Specifications : Long neck for isolation

Stainless steel disc

Vulcanised EPDM ACS seat

ISO 5211 mounting pad

Materials : Ductile iron body EN GJS-400-15

*according to DN

the installation defects and wear defects are not covered by the guarantee

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CONCENTRIC WAFER BUTTERFLY VALVE INITIAL RANGE CAST IRON BODY STAINLESS STEEL DISC AND EPDM ACS SEAT

SPECIFICATIONS :

- Long neck for isolation
- ISO 5211 mounting pad
- Wafer type
- Between flanges PN6 from DN40 to 150, PN10/16 from DN32 to 300, Class 150 (PN20) from DN40 to 300
- Between flanges JIS10K from DN40 to 300
- Full crossing stem
- With 10 positions lever and locking device up to DN150
- Double PTFE seal on stem up to DN600
- Stainless steel disc
- Epoxy painting RAL5005 80 microns thickness
- Ductile iron EN GJS-400-15 (EN-JS1030) body
- Vulcanised EPDM ACS seat

USE :

- Cold and hot water, drinking water
- Min and max Temperature Ts : - 15°C to + 110°C (130°C temporarily)
- Max Pressure Ps : 16 bars

FLOW COEFFICIENT Kv (M3 / h) :

DN		32/40	50	65	80	100	125	150	200	250	300
Opening angle	10°	0,04	0,05	0,09	0,17	0,26	0,43	0,68	1,7	2,6	3,4
	20°	2	3	5	8	15	25	38	76	129	200
	30°	5	6	10	15	31	52	81	160	273	422
	40°	10	13	21	33	67	113	175	348	592	914
	50°	18	23	38	60	119	202	312	620	1055	1630
	60°	30	38	64	99	196	334	516	1025	1746	2697
	70°	48	60	102	156	310	529	817	1623	2764	4269
	80°	72	90	152	235	466	793	1226	2434	4145	6403
	90°	78	98	167	258	512	872	1347	2675	4555	7037

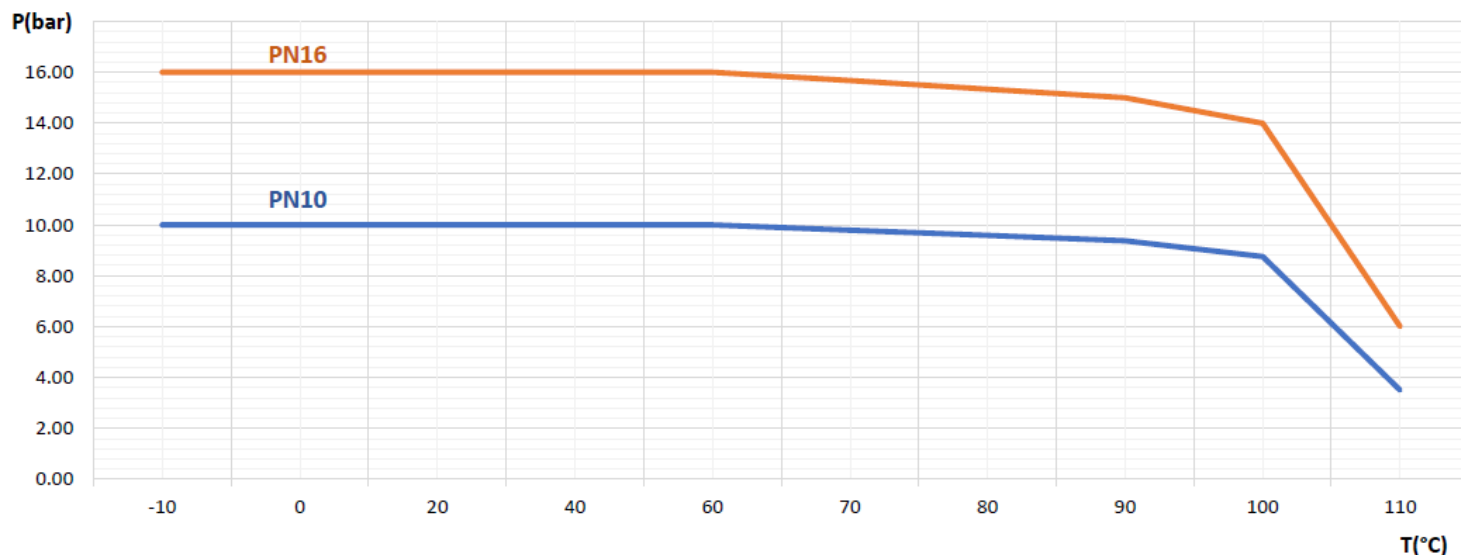
TORQUE VALUE (Nm, without safety coefficient) :

We recommend a safety coefficient of 30% minimum to determinate the actuator.

DN	32/40	50	65	80	100	125	150	200	250	300
PN10	9	12	19	25	38	58	85	159	253	369
PN16	10	13	21	26	42	65	95	175	277	536

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PRESSURE / TEMPERATURE GRAPH (STEAM EXCLUDED) :



RANGE :

- Wafer butterfly valve ACS with lever from DN32/40 to DN300 **Ref.1123A**



- Gearbox IP54 possible from DN32/40 to DN300 **Ref.1198001 to 1198006**



- Gearbox IP67 possible from DN32/40 to DN300 **Ref.1198301 to 1198306**



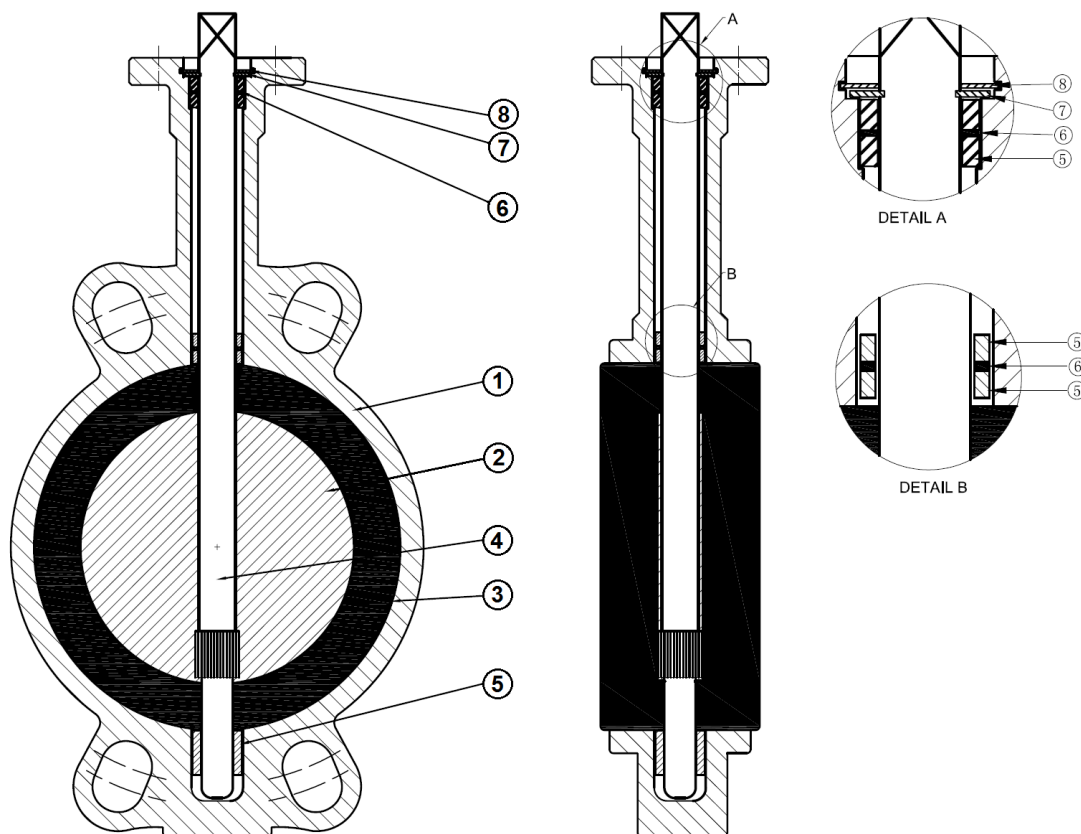
- Chain gearbox IP54 possible from DN32/40 to DN300 **Ref.1198201 to 1198206 (without chain)**
- Galvanized carbon steel chain for chain gearbox initial range **Ref.1198200 (per meter)**

CONNECTION :

- Between flanges PN6 from DN40 to DN150
- Between flanges PN10/16 from DN32 to DN300
- Between flanges Class 150 (PN20) from DN40 to DN300
- Between flanges JIS10K from DN40 to DN300

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STAINLESS STEEL DISC AND EPDM ACS SEAT**

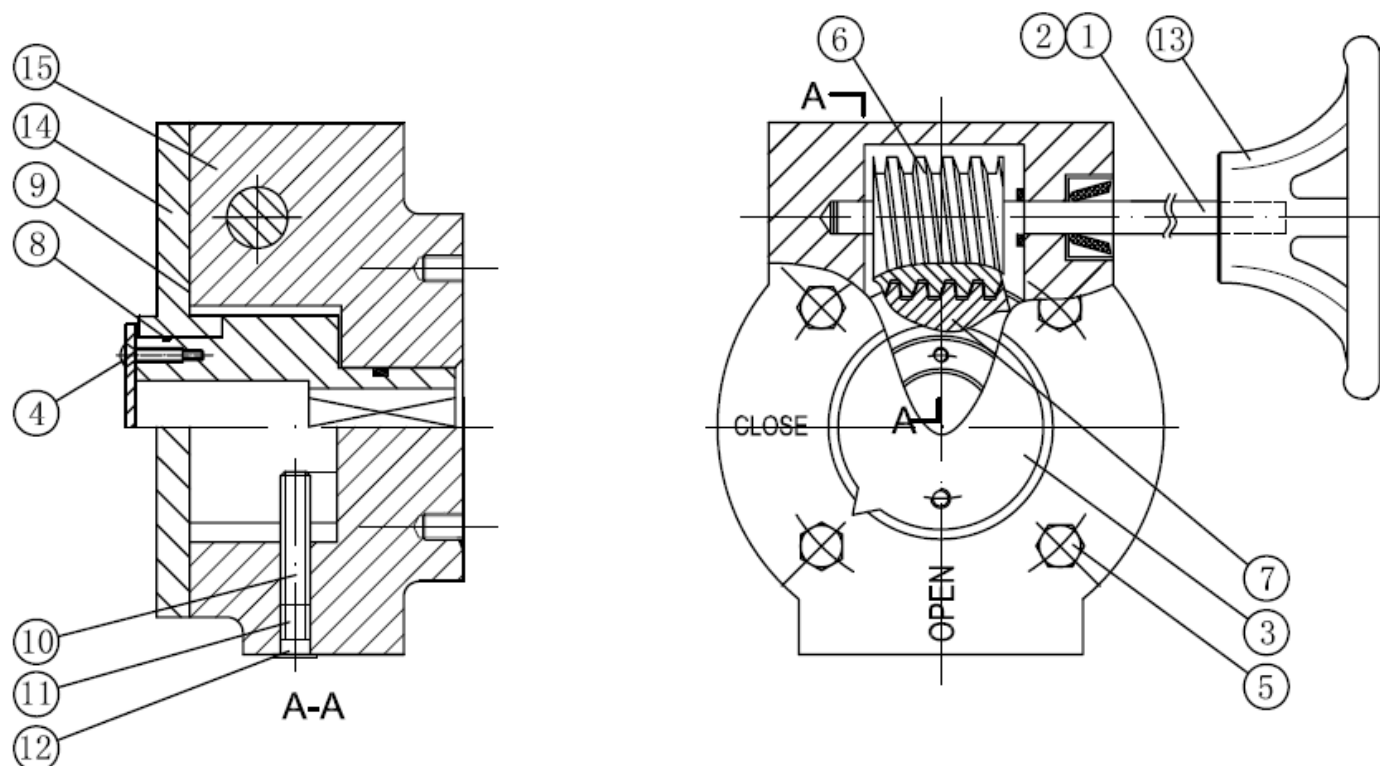
MATERIALS :



Item	Designation	Materials
1	Body	Ductile iron EN-JS1030 (EN GJS-400-15)
2	Disc	ASTM A351 CF8M
3	Seat	EPDM ACS
4	Stem	AISI 420
5	Bushing	PTFE
6	O ring	EPDM
7	Circlip	Steel
8	Circlip	
	Lever	Aluminium

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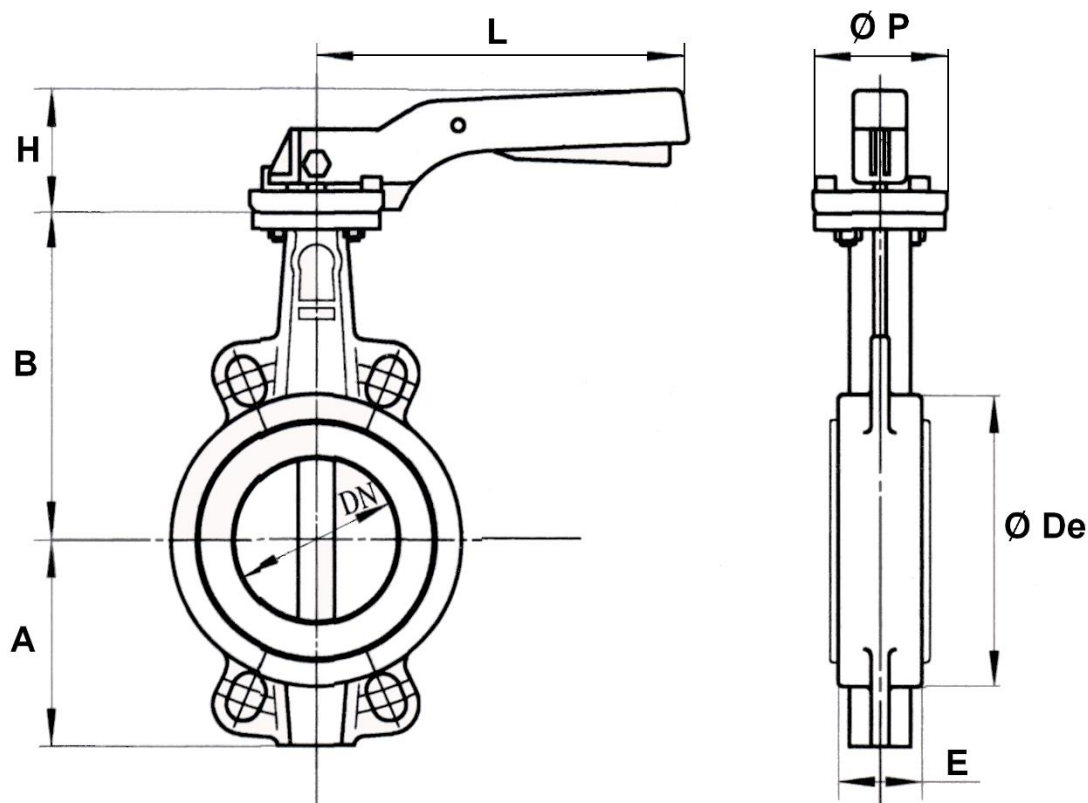
MATERIALS GEARBOX :



Item	Designation	Materials
1	Stem	Chromed steel
2	Pin	AISI 316
3	Indicator plate	Aluminium + NBR gasket
4	Indicator bolt, washer	AISI 316
5	Bolt, washer	AISI 316
6	Gear 1	Steel
7	Gear 2	Ductile iron EN GJS-400-15
8	O ring	NBR
9	Bonnet gasket	NBR
10	Internal set screw	Carbon steel
11	External set screw	AISI 316
12	Plastic cap	Plastic
13	Handwheel	Cast iron EN GJL-250 epoxy coating
14	Bonnet	Cast iron EN GJL-250 epoxy coating
15	Body	Cast iron EN GJL-250 epoxy coating
	Bolting to fix on valve	AISI 304

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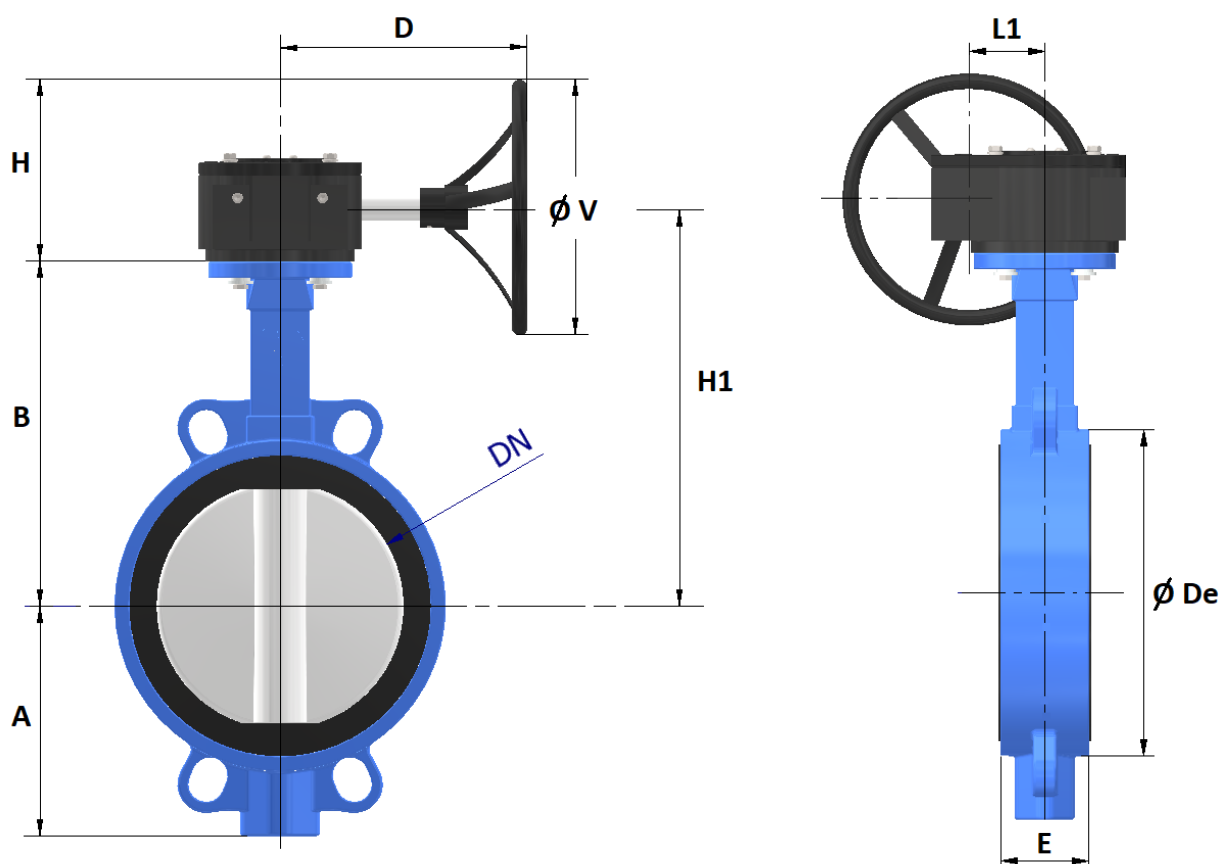
VALVES SIZE (in mm) :



DN	32/40	50	65	80	100	125	150	200	250	300
A	61	77	87,5	95	107	121,5	144	171	205	235
B	130	136,5	142	158	180	192	215	242	280	310
Ø De	82	95	109	121	152	180	207	260	315	370
E	33	43	46	46	52	56	56	60	68	78
H	70	70	70	70	70	71	71	40	44	44
L	195	195	195	195	195	278	278	355	507	507
Ø P	65	65	65	65	65	90	90	125	150	150
Weig. (Kg)	1.85	2.53	2.86	3.16	4.21	6.67	7.66	14.67	23.4	33.8
Ref.	1123040A	1123050A	1123065A	1123080A	1123100A	1123125A	1123150A	1123200A	1123250A	1123300A

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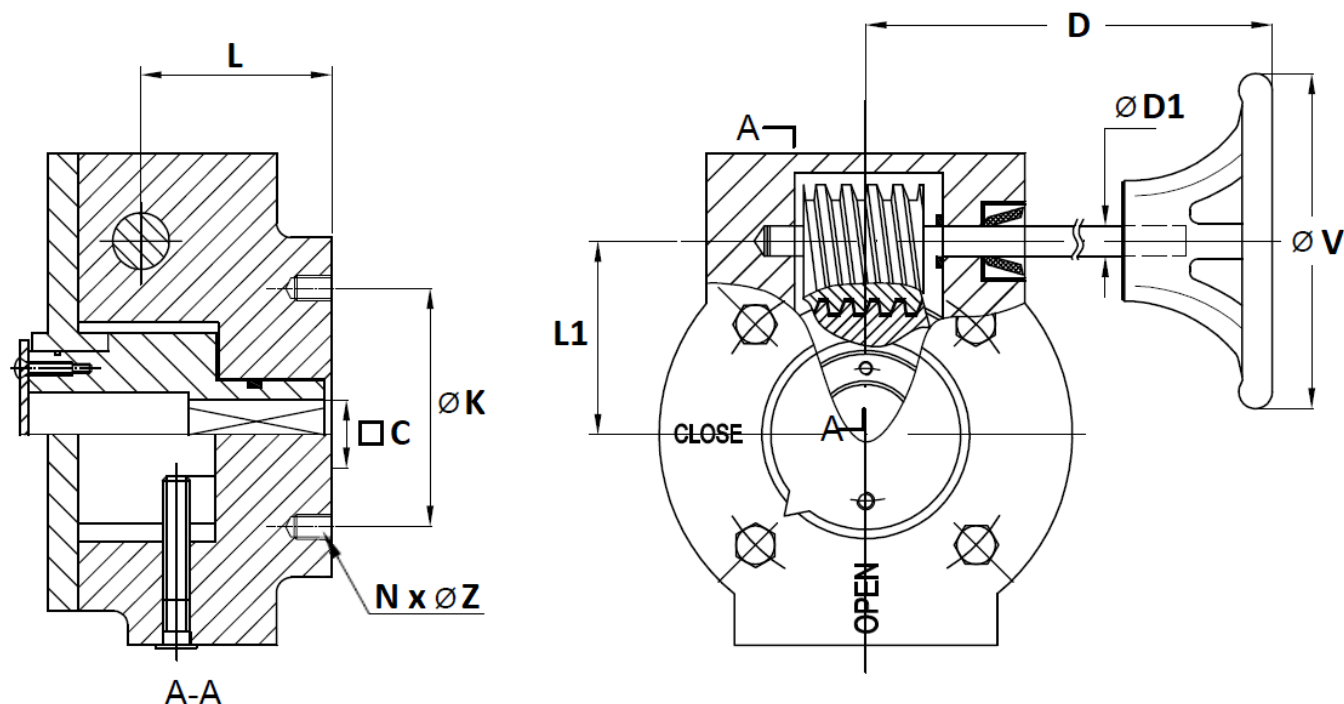
VALVES SIZE WITH GEARBOX (in mm) :



DN	32/40	50	65	80	100	125	150	200	250	300
A	61	77	88	95	107	122	144	171	205	235
B	130	137	142	158	180	192	215	242	280	310
D	162							224		223
Ø De	82	95	109	121	152	180	207	260	315	370
E	33	43	46	46	52	56	56	60	68	78
H	112					162		191		192
H1	167	174	179	195	217	229	252	283	321	352
L1	44							66		77
Ø V	150					250		300		
Weig. (Kg)	5.36	6.04	6.37	6.67	8.43	10.2	11.19	21.66	30.82	43.4

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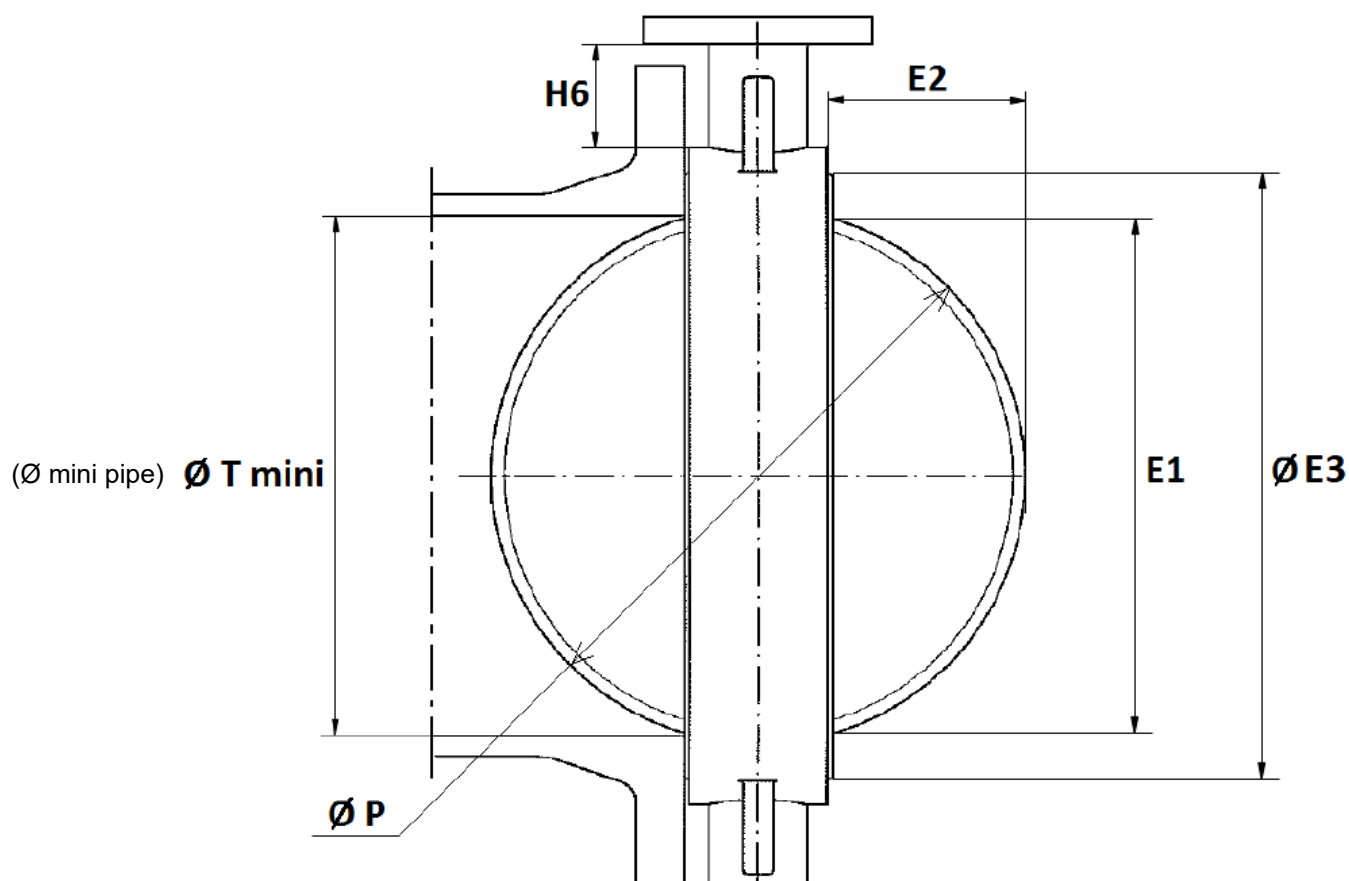
GEAR BOX SIZE (in mm) :



DN	32/80	100	125/150	200	250	300-350
C	9	11	14	17	22	27
Ø K	50	50	70	102	125	125
ISO	F05	F05	F07	F10	F12	F12
N x ØZ	4 x M6	4 x M6	4 x M8	4 x M10	4 x M12	4 x M12
L	37			41		42
D	162			224		223
L1	44			66		77
Ø D1	16			19		
Ø V	150		250	300		
Weight (kg)	3.51	4.22	3.53	6.99	7.42	9.6
Ref.	1198001	1198002	1198003	1198004	1198005	1198006

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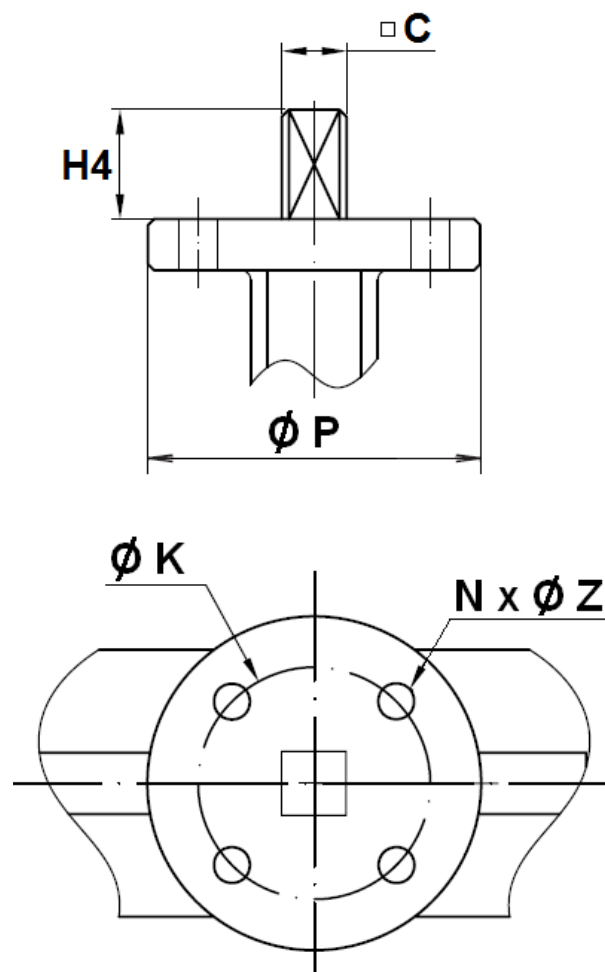
DISC AND NECK SIZE (in mm) :



DN	40	50	65	80	100	125	150	200	250	300
E1	37.7	47.06	59.81	75.56	98.37	117.02	147.65	195.3	242.5	292.6
E2	4.9	5	9.4	16.5	26.1	33.9	49.7	71.2	91.2	111.8
Ø E3 ±2	70	76	90	104	135	159	188	238	292	344
H6 ±2	76.7	79	79	87.5	92.3	90.3	99.2	99.5	103.8	105.8
Ø P	42.8	53	64.8	79.1	104.25	123.8	155.4	202.4	250.5	301.6
Ø T mini	43	53	65	79.5	104.5	124	155.5	202.5	250.5	302

**CONCENTRIC WAFER BUTTERFLY VALVE INITIAL RANGE CAST IRON BODY
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ISO MOUNTING PAD SIZE (in mm) :



DN	32/40	50	65	80	100	125	150	200	250	300
C	9	9	9	9	11	14	14	17	22	27
$\varnothing K$	50	50	50	50	50	70	70	102	125	125
ISO	F05	F05	F05	F05	F05	F07	F07	F10	F12	F12
$N \times \varnothing Z$	4 x 7	4 x 7	4 x 7	4 x 7	4 x 7	4 x 9	4 x 9	4 x 11	4 x 13	4 x 13
H4	32	32	32	32	32	42	42	36	38	38
$\varnothing P$	65	65	65	65	65	90	90	125	150	150

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GEARBOX SPECIFICATIONS :

DN	32/80	100	125/150	200	250	300
Ref.	1198001	1198002	1198003	1198004	1198005	1198006
Ratio factor	24 :1	24 :1	24 :1	30 :1	30 :1	50 :1
Number of cycles for opening / closing	6	6	6	7.5	7.5	12.5
Output torque (Nm)	170	170	170	700	700	1200

STANDARDS :

- Manufacturer certified ISO 9001:2015 and ISO 14001 : 2015
- Designing according to API 609
- DIRECTIVE 2014/68/EU: For liquids of 2nd Group
 - Article 4, §3 (SEP), no CE marking
- Certificate 3.1 on request
- Pressure tests according to API 598, table 6
- Length according to ISO 5752 series 20, EN 558 series 20 (NF 29305)
- ISO 5211 mounting pad
- Between flanges according to EN 1092-1 PN6-PN10/16 and ASME B16.5 Class 150 (PN20)
- French drinking water agreement **A.C.S. N° 26 ACC LY 041**
- Valves according to LR Rules and Regulation for the classification of Ships, July 2025 (Type Approval Certificate) **Marine LLOYD'S REGISTER**. Marine and offshore subject to the valves complying LR Rules and Regulations for the particular services.
 - ISO 19921:2005
 - GB/T 22218 – 2008

ADVICE : Our opinion and our advice are not guaranteed and SFERACO shall not be liable for the consequences of damages.
The customer must check the right choice of the products with the real service conditions.