

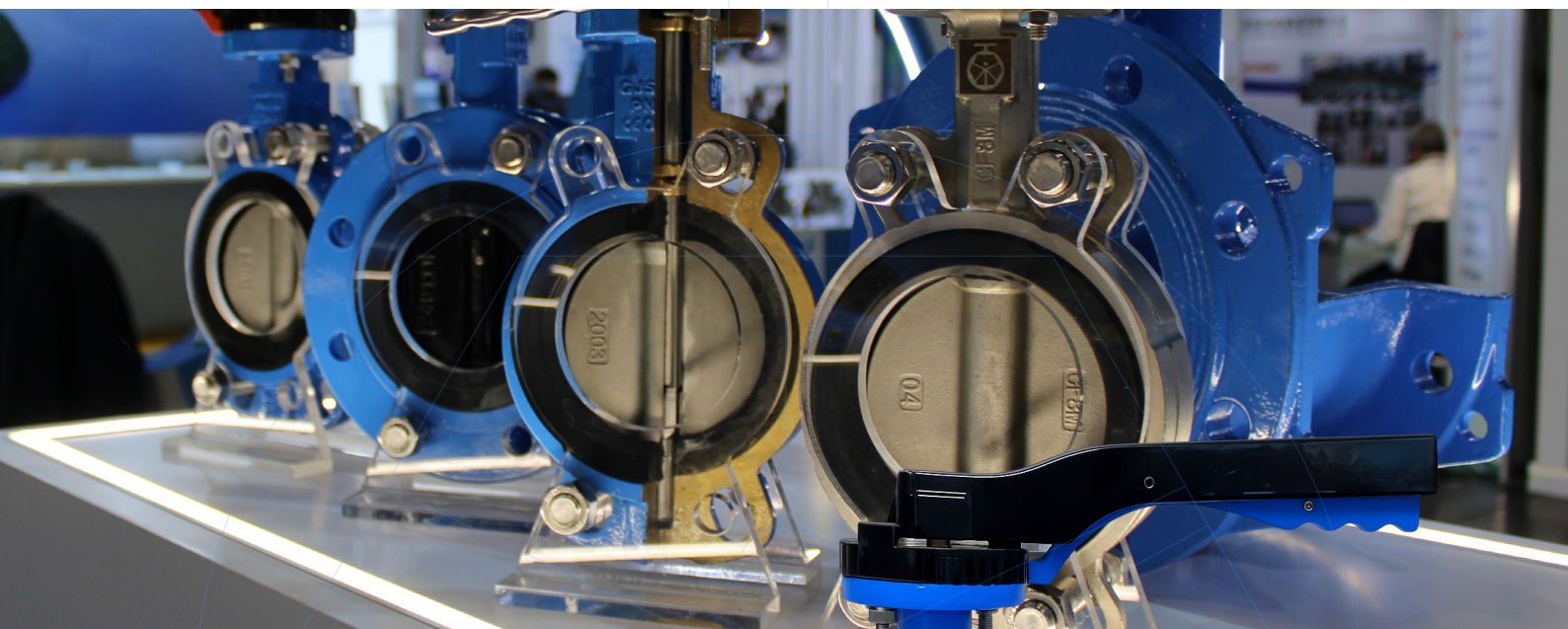


DAVINCI TECHNICAL DATA GUIDE

BUTTERFLY VALVES

GROOVED ENDS

Ref. 115A-DH / PN 10-16



Application

Water supply and distribution networks
Potable and non-potable water systems
Pumping stations
Water treatment plants
Irrigation field
Industrial pipelines projects
HVAC installations

Approvals/Standards

Comply with DN593
Mounting with flanges: PN10/16 EN 1092-2, ISO 7005-2.
Pressure Tests acc. to EN 12266-1 Rate A.
Pressure Tests: Body: 1,5 x PN; Seat 1,1 x PN.
EU directive 2014/68/EU:
Products excluded, article 1, § 2b up to DN300.

Certifications

CE

Range

DN50-300, PN10-16





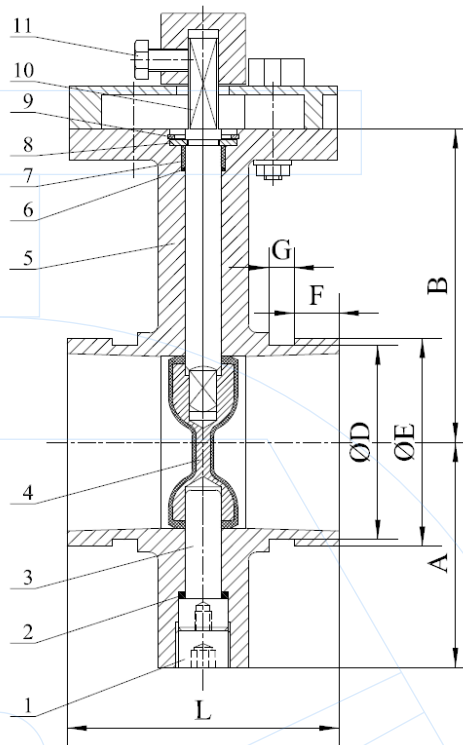
GENERAL CHARACTERISTICS

Sizes DN50 to DN300.
Working pressure PN10/16.
Concentric disc design.
Tightness in both ways.
Long neck for heat-insulated installations.
Top flange acc. to ISO 5211.
10 positions lever.
WRAS epoxy paint 250 microns:

Nº	ITEM	MATERIAL
1	Plug	Carbon steel
2	O-ring	EPDM
3	Lower stem	AISI 420
4	Disc	GJS400 + EPDM
5	Body	GJS400
6	O-ring	EPDM
7	Bushing	PTFE
8	Washer	Carbon steel
9	Retaining ring	Carbon steel
10	Upper stem	AISI 420
11	Bolt	A2-70
	RAL 5015 Painting	Epoxy 250 µm

WORKING CONDITIONS

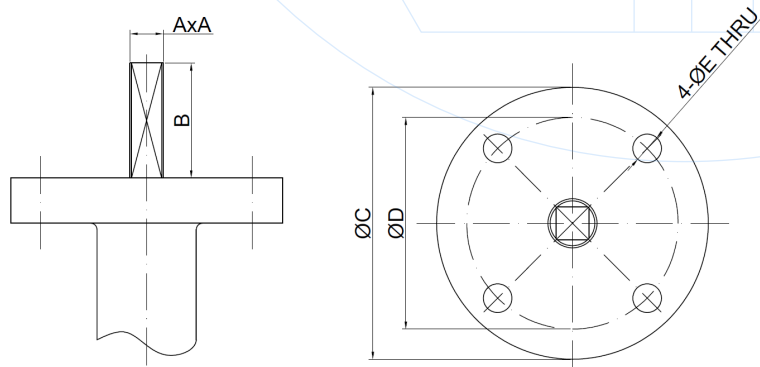
Pressure ratings: 1.0 Mpa, 1.6 Mpa.
Working temperature: -10°C + 90°C



Components may be replaced with materials of equivalent or superior grade without prior notice, in accordance with our continuous improvement policy.

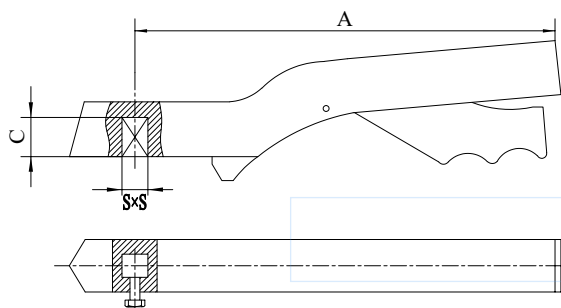
DN	A	B	D	E	F	G	L	Torque (N·m)	Weight (kg)
50	65	102	57	60.5	16	8	81	21	2.3
65	72	112	69	73	16	8	97	32	3.6
80	80	118	85	89	16	8	97	41	4.5
100	100	137	110	114.5	16	9.5	116	66	6.5
125	118	149	137	141.5	16	9.5	148	103	9.0
150	140	170	164	168.5	16	9.5	148	150	11.2
200	175	204	214.5	219	19	11.5	134	243	17.0
250	215	250	268.5	273	19	13	159	385	24.0
300	258	275	318.5	324	19	13	165	545	38.0

FREE SHAFT CONNECTION DETAILS

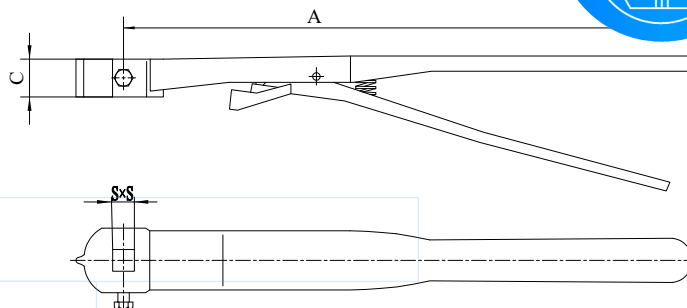


DN	A	B	C	D	E
50	65	102	65	50	7
65	72	112	65	50	7
80	80	118	65	50	7
100	100	137	65	50	7
125	118	149	90	70	9.5
150	140	170	90	70	9.5
200	175	204	90	70	9.5
250	215	250	125	70	9.5
300	258	275	125	102	11.5

DIMMENSIONS FOR LEVER AND MODELS



DN	A	S	C min
40-80	198	9	20
100	270	11	22
125-150	270	14	22
200	270	17	22



DN	A	S	C min
250-300	540	22	22



HA MODEL

Ductile cast iron handle.
Galvanized steel plate,
with 10 positions.
Low price.



HB MODEL

Ductile cast iron handle.
Galvanized steel plate,
with 10 positions.
With hole for padlock.



HC MODEL

Carbon steel handle.
Galvanized steel plate,
with 10 positions.
Light design.



HD MODEL

Ductile cast iron handle.
ABS plate, with 10 positions.
Low price.



HE MODEL

Ductile cast iron handle.
Galvanized steel plate,
with 10 positions.
High resistance and endurance.

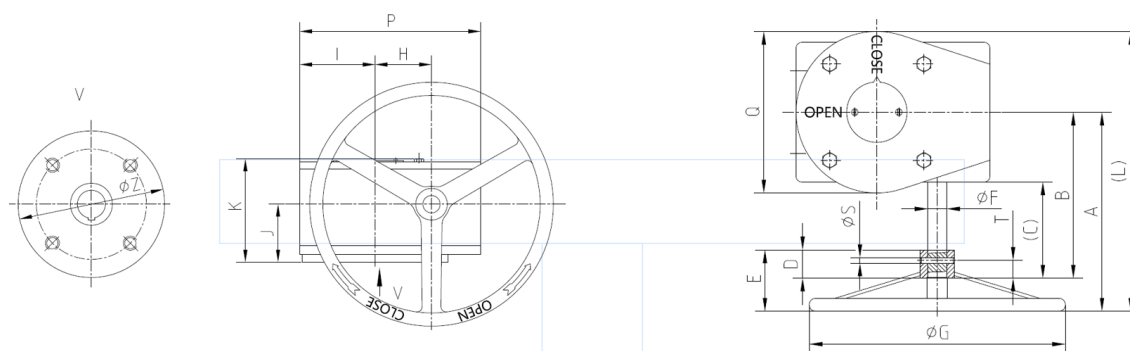


HF MODEL

Aluminum handle.
Aluminum plate, with 10 positions.
Light design and high resistance to
corrosion.



GEARBOX DETAILS



1 STAGE GEARBOX

DN	Torque N·m	Ratio	A	B	C	D	E	ØF	ØG	H	I	J	K	L	P	Q	ØS	T	ØZ
40-150	170	27 : 1	141	110	72	25	54	15.8	135	44	48	18	27.6	189	116	96	5	17.5	93
200-250	170	24 : 1	214	187	133	32	56	18.8	275	62	72.5	38	38.6	284	164	140	6	24	125
300	170	24 : 1	223	196	135	32	56	18.8	275	78	76.5	39.5	40.6	300	189	154	6	23.5	140

FLOW CHARACTERISTICS GPM/ΔP

DN	DEGREE OPEN								
	10°	20°	30°	40°	50°	60°	70°	80°	90°
50	0.06	3	7	15	27	44	70	105	115
65	0.1	6	12	25	45	75	119	178	196
80	0.2	9	18	39	70	116	183	275	302
100	0.3	17	36	78	139	230	364	546	600
125	0.5	29	61	133	237	392	620	930	1022
150	0.8	45	95	205	366	605	958	1437	1579
200	2	89	188	408	727	1202	1903	2854	3136
250	3	151	320	694	1237	2049	3240	4859	5340
300	4	234	495	1072	1911	3162	5005	7507	8250





CONTACT US

DAVINCI VALVES ORDER REQUEST



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