



GROOVED CONCENTRIC BUTTERFLY VALVE - DUCTILE IRON DISC PN16

ER-V10-224
(S16)

Grooved Butterfly valves Gaer® of ductile iron disc have a simple, light and reliable design. Their manufacture according to the national and international standards makes them a resistant and lasting product.

RELIABILITY: Gaer® takes care of every detail in the manufacture of its valves, using materials of the highest quality, always complying with the standards for hydraulically operated devices.

HIGH-QUALITY FINISH: The valve is protected internally and externally with a 250 µm thick epoxy powder coating.

USER-FRIENDLINESS: Its design gives it a minimum operating torque, which means easier operation of the valve.

TECHNICAL FEATURES

- **Design type:** Concentric.
- **Direction flow:** Bidirectional.
- **Working pressure:** PN16.
- **Dimensions Range:** DN50-DN300.
- **Working Temperature:** 0°C – 80°C.
- **Connection:** Grooved.
- **Coating:** Fusion Bonded Epoxy 250 µm.

* Other materials and specifications on request.



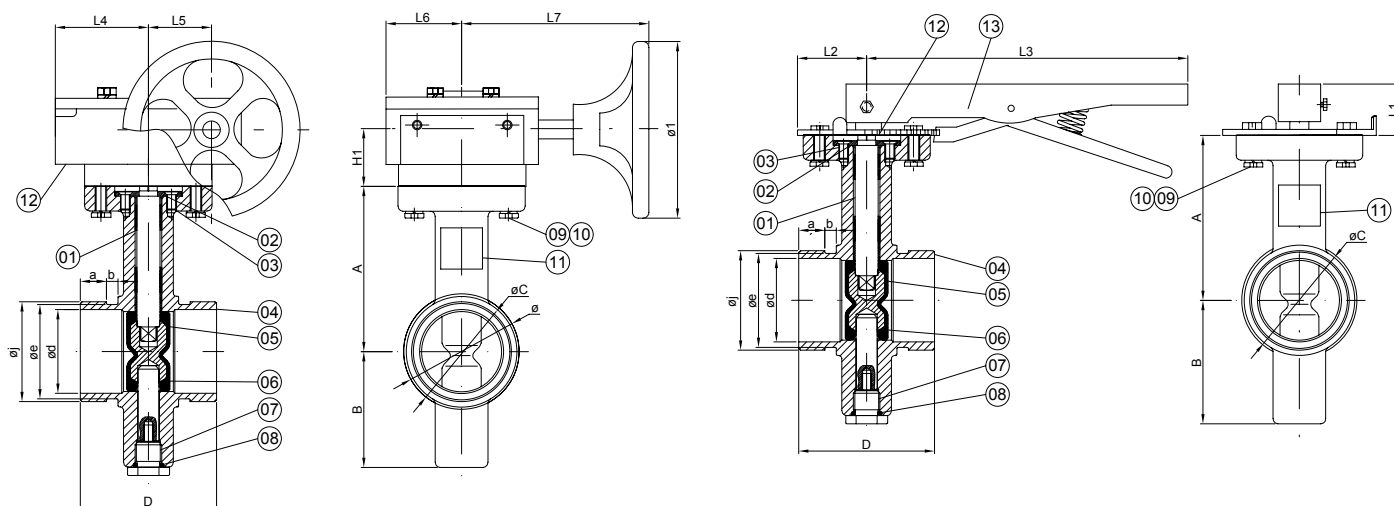
* The final product may differ from the image shown in this document.

STANDARDS AND REGULATIONS

- **Connection Grooved:** ANSI/AWWA C606-97.
 - ANSI.
 - BS.
- **Face to Face:** MSS SP-67-202.
- **Hydraulic Testing:** EN12266.

COMPONENTS AND MATERIALS

	Part Name	Material	Standard
1	Upper Shaft	Stainless Steel	SS420
2	Stop Cover	Steel	
3	Bolts	Steel	
4	Body	DI	GGG40
5	Disc	DI+Rubber	GGG40+ EPDM
6	Lower Shaft	Stainless Steel	SS420
7	Screw End	Carbon Steel	
8	O-ring	Rubber	NBR
9	Bolts	Steel	
10	Spring Spacer	Stainless Steel	SS1566
11	Nameplate	Stainless Steel	SS304
12	Lockplate	Steel	
13	Handle/ Gearbox+HW	CI	



OUTSIDE DIMENSIONS

	DN		A	B	ØC	ØK	D	øC		a	b	e	d	L1	L2	L3	L4	L5	L6	L7	H1	Ø1
								ANSI	BS													
1	2"	50	100	70	67	70	82,4	60,3	60,3	15,87	7,93	57,15	48,5	28	52	267	53	45	53	155	40	150
2	2-1/2"	65	106	75	80	83	96,8	73	76,1	15,87	7,93	72	61	28	52	267	53	45	53	155	40	150
3	3"	80	112,5	82	97	100	96,8	88,9	88,9	15,88	7,93	84,9	75	28	52	267	53	45	53	155	40	150
4	4"	100	135	100	123	126	116	114,3	114,3	15,88	9,53	110	97	28	52	267	53	45	53	155	40	150
5	5"	125	148,7	119	151	154	147,6	141,3	139,7	15,88	9,53	135,1	125	28	52	267	53	45	53	155	40	150
6	6"	150	176	130	180	183	147,6	168,3	165,1	15,88	9,53	160,7	149	28	52	267	53	45	53	155	40	150
7	8"	200	204	162	231	234	133,4	219,1	216,3	19,10	11,10	211,6	199	38	75	359	76	63	76	237	40	300
8	10"	250	228	200	284	287	158,8	273,1	267,4	19,10	12,70	264	250	38	75	359	76	63	76	237	40	300
9	12"	300	266,2	224	335	338	163,6	323,9	318,5	19,10	12,70	312,9	300	38	75	359	78	78	78	255	46	300

TORQUE, TOP FLANGE AND BARESHAFT

	DN		Torque (N·m) PN16	Top flange	H	T
1	2"	50	17	F07	28	9
2	2-1/2"	65	25	F07	28	9
3	3"	80	38	F07	28	9
4	4"	100	56	F07	28	11
5	5"	125	90	F07	28	14
6	6"	150	124	F07	28	14
7	8"	200	233	F10	38	17
8	10"	250	392	F10	38	22
9	12"	300	560	F10	38	22

1. Torque without safety factor.

2. Recommend to add 1,3 safety factor to install an electric actuator.

3. Recommend to add 1,5 safety factor to install an pneumatic actuator.

