F70DG

Ductile Iron Double Eccentric Butterfly Valve

PN16

Size 28" to 40"

TECHNICAL DATASHEET

Specifications:

IVAL® Double Eccentric Butterfly Valve, with Ductile Iron Body and Ductile Iron Disc. Design to BS EN593.

Coating: Fusion Bonded Epoxy (FBE) complies with ANSI/AWWA C550 (DFT 250 to 350 µm).

End Connection: Compatible with BS EN1092-2.

Top Flange Standard: ISO 5211

Operator: Gear.

Features:

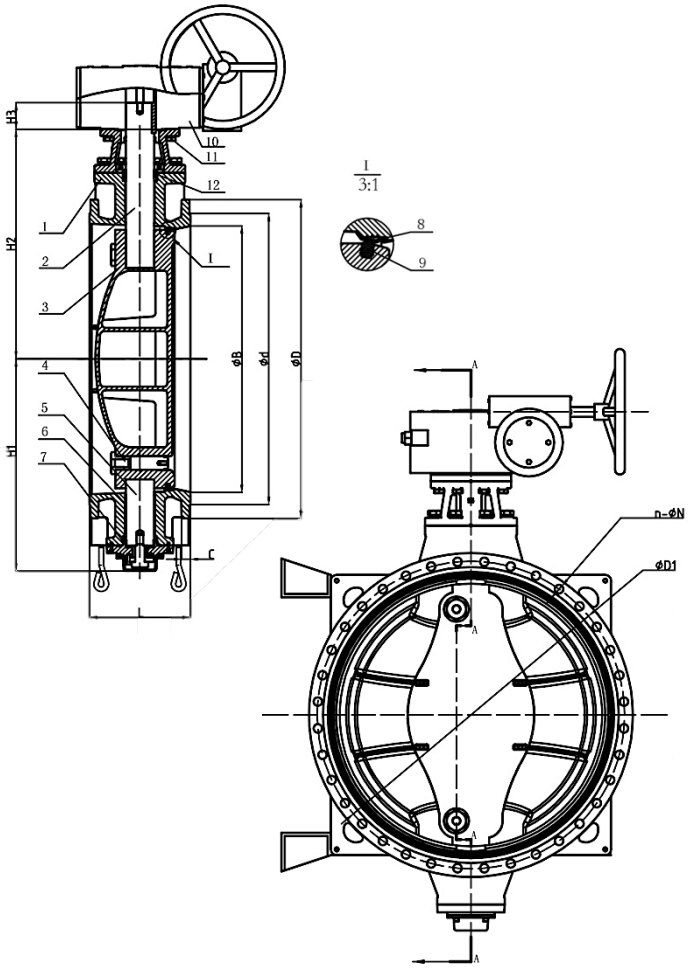
- Valves are suitable for use with flanges conforming to BS EN 1092-2 PN16.
- Ductile Iron Disc.
- NBR Seat on Valve Body.
- 420 Stainless Steel Shafts for superior strength.
- Design BS EN593, generally conforms to MSS SP-67.
- Lengths to 13 Series Provisions of BS EN 558.

Pressure/Temperature Ratings:

Temperature (°C)	0 to +80
Pressure (Bar)	16

Test Pressures:

Each valve is individually hydrostatically tested at the following test:
(HYDRAULIC) Shell: 24 bar - **Seat:** 17.6 bar



Materials:

No.	Description	Material	Specification
1	Body	Ductile Iron	EN-GJS-450-10
2	Upper Stem	Stainless Steel	AISI 420
3	Disc	Ductile Iron	EN-GJS-450-10
4	Pin	Stainless Steel	AISI 431
5	Lower Stem	Stainless Steel	AISI 420
6	Bushing	Stainless Steel	AISI 420 + PTFE
7	O-Ring	NBR	-
8	Clamping Ring	Stainless Steel	AISI 304
9	Seal Ring	NBR	-
10	Gearbox	Ductile Iron	EN-GJS-450-10
11	Hexagon Bolt	Carbon Steel	-
12	Packing	NBR	-

Dimensions:

DN		Dimensions (mm)										
Inch	**mm**	**H1**	**H2**	**H3**	**L**	**Ød**	**C**	**ØD**	**ØD1**	**ØB**	**n**	**ØN**
28"	**700**	612	625	82	292	794	39.5	910	840	700	24	37
32"	**800**	669	680	92	318	901	43	1025	950	800	24	40
36"	**900**	702	715	107	330	1001	46.5	1125	1050	900	28	40
40"	**1000**	816.5	840.5	143	410	1112	50	1255	1170	1000	28	43

Email: info@ival-hydronics.co.uk – **Website:** www.ival-hydronics.co.uk