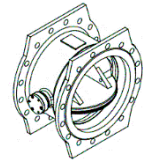
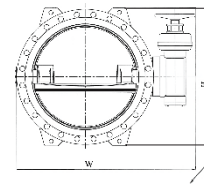


BUTTERFLY VALVE – DOUBLE ECCENTRIC

EN 558 SERIES 14
DIN 3202 - F4



Description: The Double Eccentric Butterfly Valve we offer is a highly sought-after solution for water networks, renowned for its cutting-edge two-axis shifted disc design. This innovative feature plays a pivotal role in minimizing operation torque values and friction on the disc sealing area, thereby guaranteeing exceptional performance and a prolonged lifespan. Crafted from robust stainless steel, this valve exhibits impressive resistance to corrosion, while its WRAS-approved electrostatic fusion-bonded epoxy finish further enhances its durability for long-term use.



Material Specification

Parts	Main Materials	Optional Materials
Body	Ductile Iron	Carbon Steel
Disc		Stainless Steel
Gearbox	X20Cr13	Nickel Aluminum Bronze
Shaft		Monel
Bearings	Bronze	Duplex Stainless Steel
Bushes	Teflon	Brass, SS 304, SS 316, NAB
Retaining Ring	PTFE 304	SS 316, St 37
Seals	SS 304	NBR
Fasteners	EPDM	SS 316

Notes:

1. Different flange drillings are available, including ISO, EN, ANSI, and others.
2. The standard operating temperature range is -10°C to +80°C.
3. All RAL Colors are available.
4. Potable water certified coating is available.
5. Both thermoset and thermoplastic coatings are available.

Application:

Butterfly Valves are used for isolation purposes and provide drip tight sealing once they are closed. When open, the disc rotates to horizontal position, thereby allowing free flow. Butterfly Valves are not suitable for regulation purposes.

Features:

- **Corrosion-Resistant Design:** The closed-end disc design and shaft sealing system ensure a corrosion-free operation.
- **Efficiency:** High Kv values and low head loss are achieved through our CFD-perfected disc design.
- **Customizable Actuators:** Actuators are available upon request for customization.
- **Optimal Operation:** The double eccentric design and robust worm gearbox ensure low operating torque values.
- **Installation Flexibility:** Suitable for both above and underground installations with accessories such as handwheels, fixed or telescopic extension spindles, and surface boxes.
- **Convenient Maintenance:** An optional disc locking mechanism is available, facilitating gearbox replacement under pressure

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Double Eccentricity Principle

Our Butterfly Valves feature a double eccentric design that ensures precise disc positioning. The first eccentricity shifts the disc sealing axis, achieving a perfect match between the body sealing surface and disc sealing gasket. The second eccentricity separates the disc axis from the body axis, reducing friction during valve operation and minimizing torque values.

Weld Overlay Process

The valve's stainless steel sealing surface is seamlessly integrated into the body through a weld overlay process. Conducted by a specialized automated welding robot, this procedure enhances seat wear resistance, ensures sealing material integrity, and eliminates uncoated threads on the body, improving corrosion resistance.

Shaft and Disc Mechanics

Our Butterfly Valves employ a divided two-piece shaft system. One shaft transfers rotational force for smooth valve operation, while the second shaft guides the disc towards the body, reducing friction with bronze bearings. With a closed-end disc design and o-ring protection, these valves exhibit enhanced corrosion resistance and durability.

DIMENSIONS (mm)

DN	Length	Width		Height		Weight (kg)			
		PN10/16	PN25/40	PN10/16	PN25/40	PN10	PN16	PN25	PN40
100	190	430	438	322	330	30	30	32	32
125	200	456	495	337	347	32	33	-	-
150	210	495	529	355	362	38	38	49	49
200	230	416	606	354	392	54	54	65	75
250	250	549	811	420	494	74	74	128	128
300	270	606	839	477,4	625	112	115	130	155
350	290	671	926	537	660	132	132	-	-
400	310	742	1005	598	740	191	167	230	305
450	330	797	1067	664	765	228	228	-	-
500	350	845	1130	705	859	258	258	405	408
600	390	984	1253	867	917	389	389	550	679
700	430	1110	1382	944	1009	500	570	-	-
800	470	1252	1522	1071	1072	710	725	1010	-
900	510	1386	1772	1173	1228	926	945	1378	-
1000	550	1501	1904	1305	1295	1130	1151	1710	-
1100	590	1717	-	1207	-	1500	1500	-	-
1200	630	1939	2106	1363	1390	1775	1285	2425	-
1300	670	2120	-	1428	-	2537	2537	-	-
1400	710	2143	2343	1473	1656	2530	2631	-	-
1500	750	2288	-	1688	-	2944	2944	-	-
1600	790	2478	2619	1736	1904	3120	3740	-	-
1800	870	2825	-	1843	-	5140	5340	-	-
2000	950	3074	-	1951	-	6945	-	9500	-
2200	1030	3248	-	2194	-	-	-	-	-
2400	1110	3683	-	2388	-	-	-	-	-
2500	1150	3797	-	2438	-	-	-	-	-



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