

# Double Eccentric Butterfly Valve

Flange type, DN250-1200



## Application

Drinking and neutral water 0 - 70°C

## Specification

Size Range: DN250-1200

Pressure Class: PN10/16

Medium: Drinking and neutral water up to 70°C

Design: EN593:2004

Face to face: EN558:2008 Serie 14 (F4)

Flange connections: EN1092-2:1997

Pressure test: EN12266-1:2003 Rate A

Operation: handwheel

## Features

Maintenance free

Full bore

100% watertight

Coated with FB epoxy minimum 250 µm thickness

Blue color RAL5015

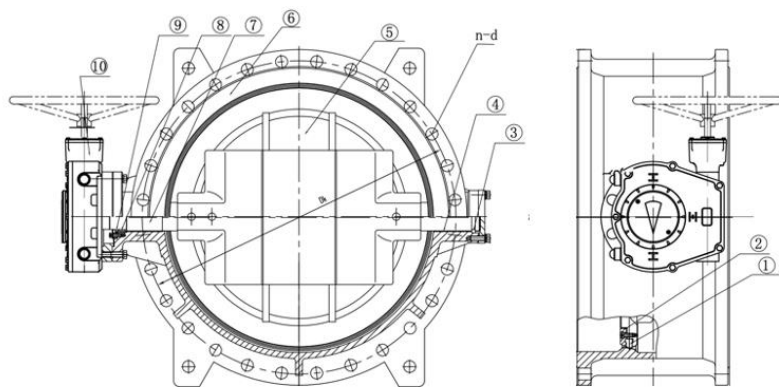


## Description

Double-eccentric butterfly valves are designed to fully open or close a passage of the working medium flowing through a pipeline. The centre line of the disc rotation is horizontally and vertically offset from the body seat. This high-performance design eliminates "seat set" compression while the valve is in the open position. Compression on the seal is released after only a few degrees of opening which reduces friction and wear. This makes the valve ideal for modulation or in the open position for extended periods of time.

The advanced dry disc hub and shaft design is achieved through O-Ring seals on both the upper and lower shafts. This prevents ground water and line media from entering the journal areas, resulting in ease of operation and minimal torque for many years.

The Double Offset design requires zero to minimal maintenance and the bearing cover allows the user to remove the worm gear without dewatering the pipeline. In the event of seal replacement or repair it can be accomplished in the field, with common tools, without the need of epoxy injections or a specialized technician.

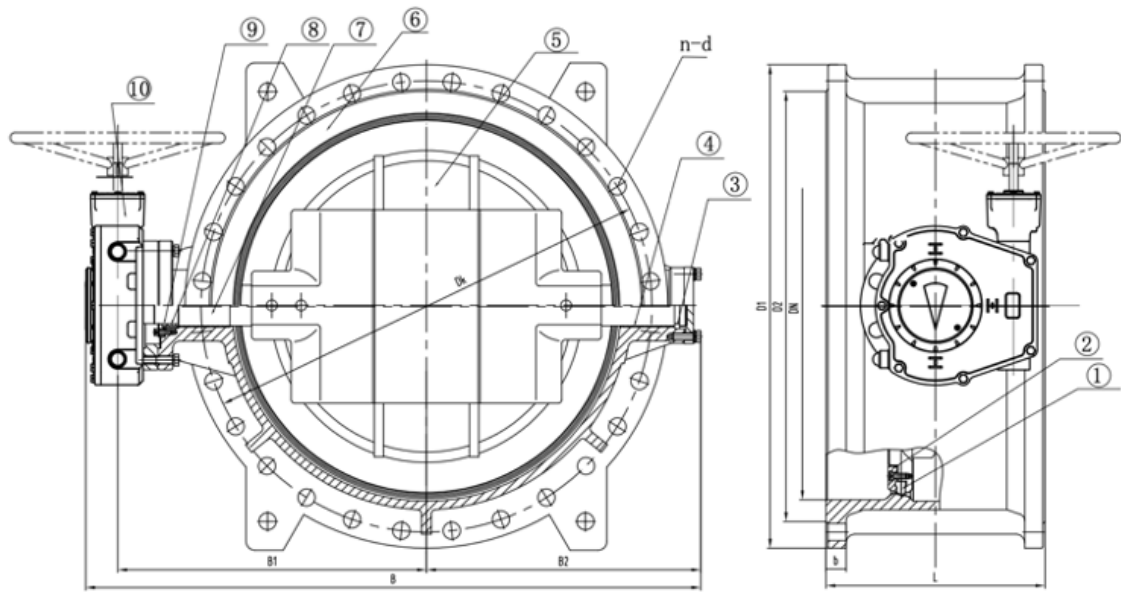


Item	Part Name	Material
1	Body	EN-GJS-500-7
2	Body Seat	AISI 304 Stainless Steel
3	Disc	EN-GJS-500-7
4	Disc Seal Ring	EPDM
5	Retaining Ring	AISI 304 Stainless Steel
6	Bolt	AISI 304 Stainless Steel
7	Bearing	Bronze
8	O-Ring	EPDM
9	O-Ring	EPDM
10	Lower Stem	AISI 420

*\* All dimensions are in mm and weights in kg. The designation, technical data and others are non-binding and subject to change.*

# Double Eccentric Butterfly Valve

Flange type, DN250 - 600



DN	PN	L	B1	B2	B	EN1092-2				Weight	ALVACO Ref. No.
						D1	Dk	n - d	b		
250	10	250	354	200	603	395	350	12 x Ø23	22,0	82	DEBV25010
	16					405	355	12 x Ø28		85	DEBV25016
300	10	270	388	258	695	445	400	12 x Ø23	24,5	105	DEBV30010
	16					460	410	12 x Ø28		108	DEBV30016
350	10	290	446	292	790	505	460	16x Ø23	24,5	138	DEBV35010
	10					520	470	16 x Ø28		142	DEBV35016
400	10	310	522	331	910	565	515	16 x Ø28	24,5	181	DEBV40010
	16					580	525	16 x Ø31		188	DEBV40016
450	10	330	535	365	953	615	565	20 x Ø28	25,5	220	DEBV45010
	16					640	585	20 x Ø31		228	DEBV45016
500	10	350	566	405	1028	670	620	20 x Ø28	26,5	240	DEBV50010
	16					715	650	20 x Ø34		284	DEBV50016
600	10	390	662	468	1195	780	725	20 x Ø31	30,0	377	DEBV60010
	16					840	770	20 x Ø37		442	DEBV60016
700	10	430	627	520	1212	895	840	24 x Ø31	32,5	506	DEBV70010
	16					910	840	24 x Ø37		540	DEBV70016
800	10	470	680	583	1338	1015	950	24 x Ø34	35,0	739	DEBV80010
	16					1025	950	24 x Ø40		766	DEBV80016
900	10	510	725	635	1435	1115	1050	28 x Ø34	37,5	881	DEBV90010
	16					1125	1050	28 x Ø40		978	DEBV90016
1000	10	550	826	695	1620	1230	1160	28 x Ø37	40,0	998	DEBV100010
	16					1255	1170	28 x Ø43		1103	DEBV100016
1200	10	630	972	820	1910	1455	1380	32 x Ø40	45,0	1823	DEBV120010
	16					1485	1390	32 x Ø49		1871	DEBV120016

\* All dimensions are in mm and weights in kg. The designation, technical data and others are non-binding and subject to change.