



ABRASIVE FLOW SOLUTIONS



DOUBLE ECCENTRIC BUTTERFLY VALVE

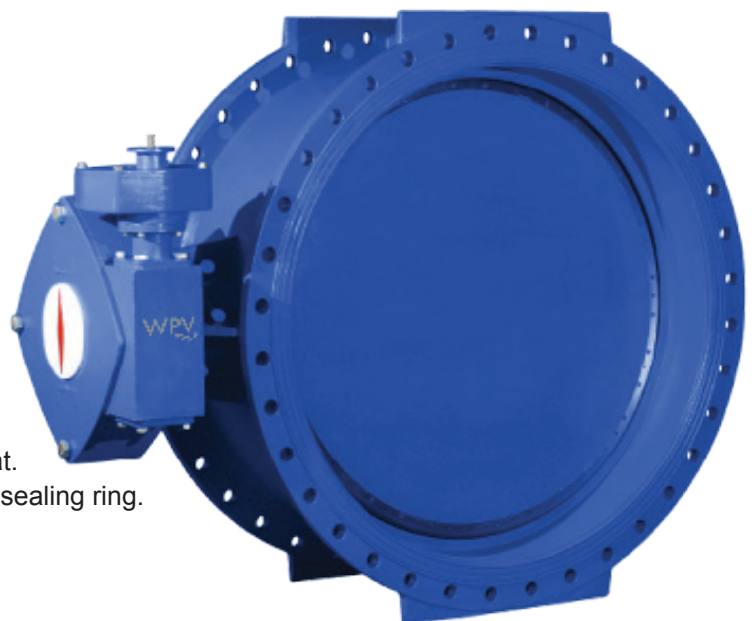
Our Butterfly Valve was designed for the water industry, taking into account the best available double offset technology, exceeding the requirements of EN 593 and AWWA C504. The disc is streamlined by computer-optimisation for low headloss. Quality, self-locking worm gear actuators are included, with a wide choice of operational options.

Product Specifications:

Size Range:	DN80 - DN3000
Valve Type:	Butterfly Valve
Materials:	A wide selection of materials is available; also internal hard rubber lining for saline applications.
Temperature Range:	-20°C to +70°C
Pressure Rating:	87 - 580psi (6 - 40 Bar)
Coating:	Fusion Bonded Epoxy (FBE)
Colour:	Blue, ca. RAL 5005

Features:

- Functional light design.
- Smaller installation space requirement.
- High grade protection against corrosion.
- Field approved safe design.
- Low head loss.
- Variety of material application.
- Low torque requirements.
- Low number of turns per stroke.
- Sealing in both directions available (optional).
- Easy replaceable o-ring shaft seals.
- Optimum closing of sealing ring into the body seat.
- Important reduction of the shearing stains on the sealing ring.
- Long life due to low wear of the sealing ring.
- Complete relief of sealing ring in open position.
- Sealing ring is not interrupted by shaft bearings.
- Sealing is easily replaceable in open position.
- Almost no thrust-bearing load when valve is used with shafts horizontal.
- No risk of disc flutter (vibrations) by means unbalanced disc load.



How the Valve Works

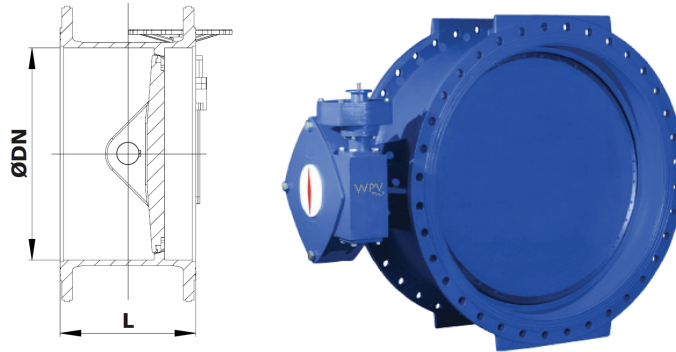
In the closed position, the upper and low bars compress the sleeve to form a bubble tight seal, even on entrapped debris. The valve can be used to throttle the flow.

Actuators

All types of actuators can be fitted; electric, hydraulic, pneumatic, handwheel and worm gear.

Applications

The valve is suited for pumping stations, treatment plants, reservoirs, pipelines, power stations, desalination plants & industrial applications.



Dimensions & Weights

DN	PN 10 - DIN 3202 F4 EN 593 (long) (EN 558-1 Series 14)		PN 16 - DIN 3202 F4 EN 593 (long) (EN 558-1 Series 14)		PN 16 - BS 5155 EN 593 (short) (EN 558-1 Series 13)		PN 25 - DIN 3202 F4 EN 593 (long) (EN 558-1 Series 14)		PN 40 - DIN 3202 F4 EN 593 (long) (EN 558-1 Series 14)	
	L	Bare Shaft Weight (kg)	L	Bare Shaft Weight (kg)	L	Bare Shaft Weight (kg)	L	Bare Shaft Weight (kg)	L	Bare Shaft Weight (kg)
80	180	18	180	18	114	18	180	20	180	29
100	190	22	190	22	127	22	190	30	190	45
125	200	26	200	26	140	26	200	35	200	55
150	210	30	210	30	140	30	210	39	210	65
200	230	41	230	44	152	44	230	64	230	95
250	250	56	250	66	165	66	250	92	250	130
300	270	80	270	90	178	90	270	137	270	170
350	290	106	290	123	190	123	290	162	290	270
400	310	139	310	163	216	163	310	240	310	325
450	330	170	330	211	222	211	330	308	330	391
500	350	222	350	275	229	275	350	376	350	477
600	390	308	390	438	267	438	390	525	390	1140
700	430	470	430	600	292	600	430	775	430	1488
800	470	622	470	785	318	785	470	1030	470	2225
900	510	870	510	984	330	984	510	1455	510	2930
1000	550	1424	550	1400	410	1400	550	1910	550	3770
1100	590	1320	590	1700	410	1700	590	-	590	-
1200	630	1625	630	2240	470	2240	630	2822	630	4811
1400	710	2494	710	3100	530	3100	710	4250	710	7150
1500	750	-	750	-	575	3600	750	-	750	-
1600	790	3221	790	4237	600	4237	790	6125	790	8370
1800	870	4356	870	6200	670	6200	870	-	870	-
2000	950	6382	950	8200	760	8200	950	-	950	-
2200	1000	8600	1000	-	-	-	1000	-	1000	-

Dimensions and weights are for guidance only - detailed dimension drawings available on request. All dimensions are in millimeters, unless stated otherwise.

