

# Worm Gear Double-Eccentric Soft-Sealing Butterfly Valve



## PRODUCT OVERVIEW

Body material:	Ductile cast iron/ Gray cast iron
Size range:	DN80 ~ 2200mm
Pressure rating:	0.6 ~ 1.6MPa
Operating temperature:	-10 ~ 80°C
End connection:	Flanged
Applicable medium:	Water, Sewage
Mode of operation:	Manual
Applicable industry:	Water & Water Treatment, Power Generation, Pulp & Paper, Municipal
Design & Manufacture:	API, ASME, ASTM, ANSI, BS, DIN, JIS, ISO, GB

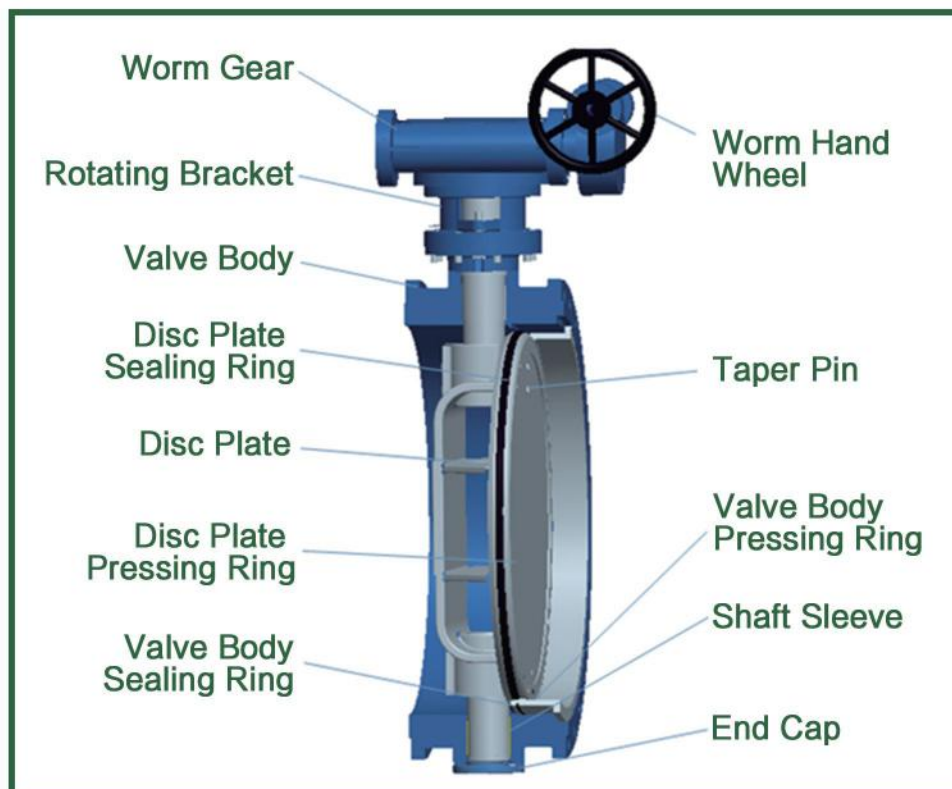
## DESIGN FEATURES

1.This valve is of a double eccentric structure, which has a tighter sealing function as it closes, and reliable sealing performance.

2.As for the disc plate sealing ring, the T-shaped rubber sealing ring made of NBR is used, which is firmly installed on the disc plate with a pressure plate. After the rubber sealing ring is worn out for a period of use, its pressure can be adjusted by tightening and loosening the screw, so that the butterfly valve can be sealed without leakage and prolong its service life. After the valve is installed, it can be easily adjusted or replaced in the pipeline (without removing the valve from the pipeline).

3.The disc plate has high strength, large flow area and small flow resistance.

4. The valve shaft is sealed with O-type rubber packing. The higher the medium pressure, the better the sealing. After the packing is worn out, it can be compensated by pressing the packing gland.



## VALVE MATERIAL LIST

Part Name	Part Material
Valve body, disc plate, bracket, end cover, pressing ring	HT200/Nodular cast iron QT450-10
Valve shaft	45/Stainless steel 2Cr13
Seat sealing ring	Stainless steel 0Cr18Ni9
Disc plate sealing ring	NBR
Shaft sleeve	Copper/SF-1
Fasteners in the valve body	35/304
Other connecting bolts, nuts,washers	25/35

## TECHNICAL SPECIFICATIONS

Type	DN	Size							
		L		H <sub>0</sub>	D	D <sub>1</sub>	b		z-Φd
		10	10Q				10	10Q	
D343X-10/10Q	80	180	/	220	200	160	22	/	8-Φ19
	100	190	/	239.5	220	180	24	/	8-Φ19
	125	200	/	290	250	210	26	/	8-Φ19
	150	210	/	302	285	240	26	/	8-Φ23
	200	230	/	353	340	295	28	/	8-Φ23
	250	250	/	407	395	350	28	/	12-Φ23
	300	270	/	466	445	400	28	/	12-Φ23
	350	290	/	510	505	460	30	/	16-Φ23
	400	310	216	548	565	515	32	24.5	16-Φ28
	450	310	216	573	615	565	32	24.5	20-Φ28
	500	350	229	646	670	620	34	26.5	20-Φ28
	600	390	267	688	780	725	36	30	20-Φ31
	700	430	292	865	895	840	40	32	24-Φ31
	800	470	318	914	1015	950	44	35	24-Φ34
	900	510	330	971	1115	1050	46	37.5	28-Φ34
	1000	550	410	1141	1230	1160	50	40	28-Φ37
	1200	470	470	1225	1455	1380	56	45	32-Φ40
	1400	530	530	1441	1675	1590	62	46	36-Φ43
	1600	600	600	1606	1915	1820	68	49	40-Φ49
	1800	/	670	1873	2115	2020		52	44-Φ49
2000	/	760	1996	2325	2230		55	48-Φ49	
2200	/	800	1984	2550	2440		58	52-Φ56	