

CLASS 150

AWWA C504 Double Flanged Butterfly Valve

Fig. 2102



Valve Standard :

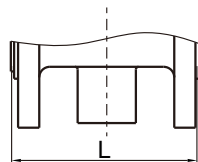
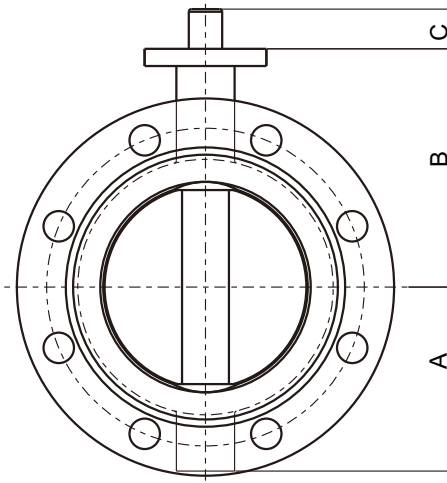
Comply with AWWA C504

Pressure Temperature Ratings

Working pressure	150psi
Testing Pressure	Shell:300psi Seal:165psi
Working Temperature	-4°F to 230°F EPDM Seat 14°F to 176°F NBR Seat
Suitable Media	Water,Oil&Gas

Material Specification

Part	Material	ASTM
Body	Ductile Iron	A536 Gr. 65-45-12
Disc	Ductile Iron	A536 Gr. 65-45-12
	Bronze	B148 C95400
	Stainless Steel	A351 CF-8
	Stainless steel	A351 CF-8M
Shaft	Stainless Steel	A276 S 410 00
	Stainless Steel	A276 S 410 00
Seat Ring	EPDM / NBR	
O-Ring	EPDM / NBR	
Bushing	Bronze	B62 C83600



Dimensions

DN	mm inch	80 3	100 4	150 6	200 8	250 10	300 12	350 14	400 16	450 18
A		3.82	4.69	6.14	7.36	8.2	9.86	11.42	12.63	13.52
B		5.16	5.91	7.09	8.27	9.67	10.83	12.91	14.8	16.01
C		1.18	1.18	1.26	1.57	1.97	1.97	1.97	2.76	3.35
L		5	5	5	6	8	8	8	8	8

DN	mm inch	500 20	600 24	750 30	900 36	1050 42	1150 46	1200 48	1350 54	1500 60
A		16.08	18.78	20.33	24.21	28.74	41.2	39.4	45.7	50.1
B		17.64	20.39	24.02	27.24	34.06	41.8	34.8	39.2	41.8
C		3.74	4.33	3.74	5	5.12	5.91	5.91	7.87	7.87
L		8	8	12	12	12	15	15	15	15

Fig. 2630



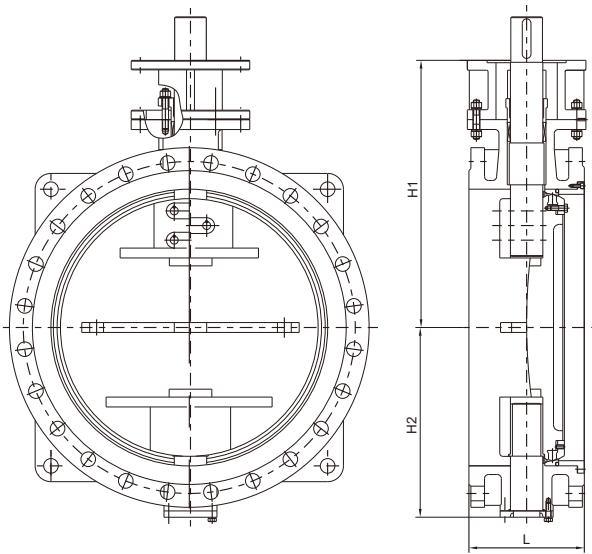
Valve Standard :
Comply with AWWAC504

Pressure Temperature Ratings

Working pressure	16bar
Testing Pressure	Shell:24bar
	Seal:17.6bar
Working Temperature	-4°F to 230°F EPDM Seat
	14°F to 176°F NBR Seat
Suitable Media	Water,Oil&Gas

Material Specification

Part	Material	ASTM
Body	Ductile Iron	A536 Gr.65-45-12
Disc	Ductile Iron	A536 Gr.65-45-12
Body Seat Ring	Ductile Iron	A536 Gr.65-45-12
	SS304	A351 CF8
Disc Seat Ring	EPDM / NBR	
	PTFE	
Shaft	SS410	A276 S410
	SS431	A276 S431
O-Ring	EPDM / NBR	
Bushing	Bronze	



Dimensions

DN	mm inch	200 8	250 10	300 12	350 14	400 16	450 18	500 20	600 24	700 28	750 30	800 32	900 36	1000 40	1200 48
L		152	203	203	203	203	203	203	203	305	305	305	305	305	381
H1		284	349	386	412	447	491	541	602	655	698	740	805	916	1043
H2		185	217.5	257	284	316	336	373	428	485	515	552	607	672	782

AWWA C504/C516
Double Eccentric Butterfly Valve

FIG. 2108

Specification

- Meet or exceed the requirements of AWWA C504 / C516.
- Double Eccentric Type.
- Robust Design.
- Rubber Seat Ring Clamped on the Disc.
- Stainless Steel Seat welded on the Body.
- Mounting Flange in accordance with ISO 5211.
- Flange and Drilling complies with ASME B16.1 Class 125 /Class 250.
- Operated with Gear Operator.
- Working Pressure 150 psi.
- Certificated to ANSI / NSF 61 & 372.

Corrosion Protection

- Fusion Bonded Coating or Liquid Painting Interior and Exterior complies with AWWA C550.

Material Specifications

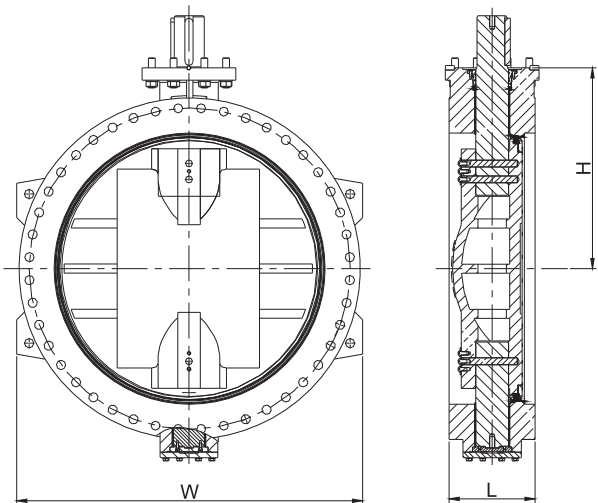
Part	Material	ASTM Specification
Body	Ductile Iron	A536 Grade 65-45-12
Body Seat	Stainless Steel	A276 Type 304
Shaft	Stainless Steel	A276 Type 304
Disc	Ductile Iron	A536 Grade 65-45-12
Disc Seat Ring	Rubber EPDM	D2000
Disc Holding Plate	Stainless Steel	A276 Type 304
Shaft Bushing	Bronze	B148 C95200
Adjust Spacer	Bronze	B148 C95200
Shaft Sealing	O-Ring	D2000 BUNA-N
Shaft Retainer	Stainless Steel	A276 Type 304
Bottom Plate	Carbon Steel	A36

- Diameters for all Class 250B valves are based on the use of ASTM A564,UNS Designation S17400,and condition H1150 shaft material.

Options

- NSF Approved Fusion Bonded Coating or Liquid Painting.
- BUNA-N Bonded Body Seat.
- 250 psi available.

Schematic



Main Dimensions (inch/mm)

Size	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"
L	12 (305)			15 (381)			18 (457)			24 (610)		
H	24.4 (620)	28.7 (730)	32.3 (820)	35 (890)	39.2 (995)	42.9 (1090)	49.2 (1250)	52.4 (1330)	52.4 (1330)	57.7 (1465)	60.6 (1540)	66.3 (1685)
W	39.7 (1010)	47.8 (1215)	55 (1400)	61 (1550)	67 (1700)	74 (1880)	81 (2060)	88 (2235)	94 (2390)	101 (2565)	108 (2745)	115 (2920)

Notes

- Designs, materials and specifications shown are subject to change without notice due to the continuous development of our products.