



AWWA C504 Rubber Seated Butterfly Valves



ACHEM AWWA C504 Rubber Seated Butterfly Valve

Size 4"-36"

Flange ANSI B16.1 Class 125 /Class250

Design AWWA C504

Mounting Flange ISO 5211

Testing Standard AWWA C504

Description

This specification shall apply to Class 150 and Class 250 butterfly valves

Benefits:

- **Long life in the most demanding applications**
- **Long seat /body life utilizing vulcanized design**
- **Superior disc to seat seating surface**

General: AWWA C504 Butterfly Valves shall be bubble tight against full rated pressure. Valves shall be constructed per AWWA C-504-00. Valves shall be suitable for bi-directional shut off and throttling service.



11-1155 NORTH SERVICE ROAD WEST, OAKVILLE, ONTARIO CANADA

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Face to Face: Lay length per AWWA C-504-00, Class 150B, Table 1

Pressure Rating: 150 psig bi-directional, bubble tight

Connections: Flat faced flanged per AWWA C-504-00 Table 2, ANSI B16.1, Class 125 / Class 250

Body: Cast Iron/Ductile Iron

Disc : Concentric, CF8M with Pin

Seat: EPDM or BunaN Vulcanized resilient seat , Flat Face

Material Specification

Part	Material
Body	Cast Iron Ductile Iron
Disc	Ductile Iron CF8 CF8M CF3M Duplex Steel
Shaft	SS416 SS431 SS316 17-4PH
Seat	EPDM NBR
Bushing	FRP PTFE Bronze
Lever	Malleable Iron Carbon Steel Aluminum SS316
Gear Box	Ductile Iron Aluminum SS316



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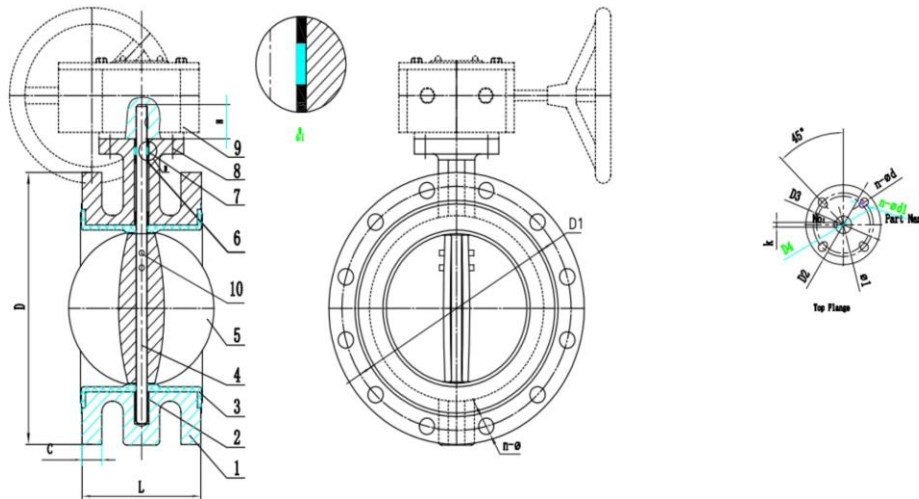
Corrosion Protection

Epoxy Resin Powder Spray, The minimum thickness is not less than 300 microns

Disc Options Through shaft with Pin

Seat Options

Vulcanized seat



SIZE	L	125LB				D2	D3	n-ød	D4	n-ød1	ø1	ø1 (mm)	k	H
		D	D1	n-ø	C									
4"	127	229	190.5	8-19	23.9	90	70	4-10	—	—	0.625"	15.875	3/16	32
6"	127	279	241.5	8-22	25.4	90	70	4-10	—	—	0.75"	19.05	3/16	32
8"	152	343	298.5	8-22	28.6	125	102	4-12	70	4-10	0.875"	22.225	3/16	45
10"	203	406	362	12-25	30.2	125	102	4-12	70	4-10	1.125"	28.575	1/4	45
12"	203	483	432	12-25	31.8	125	102	4-12	125	4-14	1.25"	31.75	1/4	45
14"	203	533	476	12-29	35	175	140	4-18	125	4-14	1.25"	31.75	1/4	45



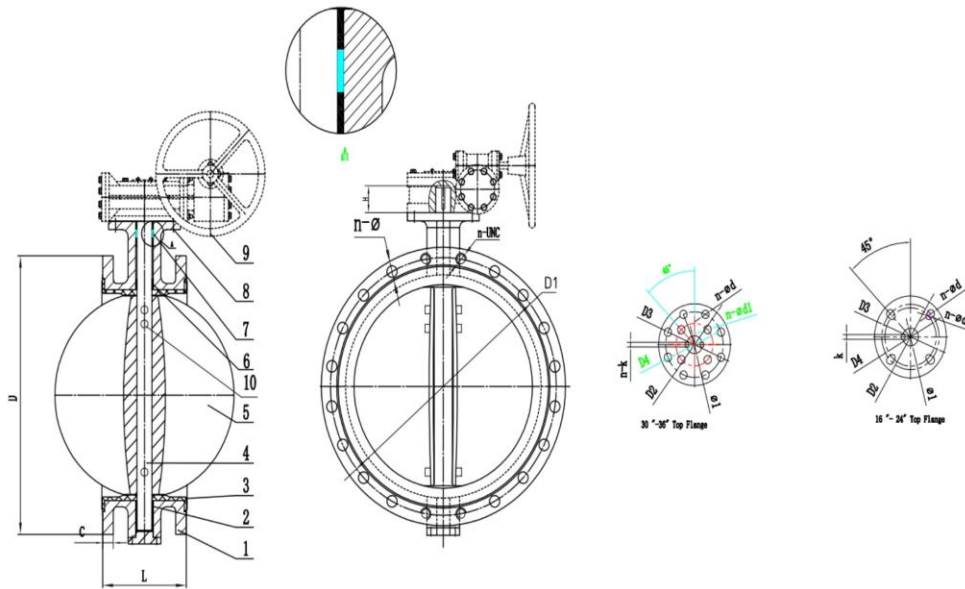
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SIZE	L	125LB					D2	D3	n-ød	D4	n-ød1	ø1	ø1 (mm)	n-k	H
		D	D1	n-ø	n-UNC	C									
16"	203	597	539.5	16-29	—	36.6	175	140	4-18	125	4-14	1-5/16"	33.34	5/16	52
18"	203	635	578	12-32	4-1 1/8"-7	39.7	175	140	4-18	125	4-14	1-1/2"	38.10	3/8	52
20"	203	699	635	16-32	4-1 1/8"-7	42.9	210	165	4-22	140	4-18	1-5/8"	41.27	3/8	64
24"	203	813	749.5	16-35	4-1 1/4"-7	47.7	210	165	4-22	140	4-18	2"	50.8	1/2	70
30"	305	984	914.5	24-35	4-1 1/4"-7	54	300	254	8-18	165	4-22	2-1/2"	63.50	2* 5/8	95
36"	305	1168	1086	28-41	4-1 1/2"-6	60.4	300	254	8-18	—	—	3"	76.20	2* 3/4	130



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		D	D1
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