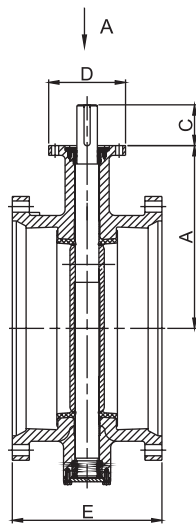
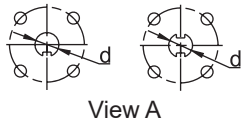
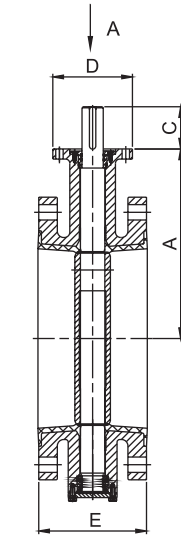


AWWA C-504 BUTTERFLY VALVE

Model 3900F & 3900M Series A



MJ x MJ



Flange x Flange

PRESSURE AND TEMPERATURE

Nominal Pressure	250 psi wwp (Class 250B)
Working Temperature	EPDM: -10°C to 120°C NBR: -10°C to 82°C
Suitable Media	Water, Oil, Gas

MATERIALS LIST

No.	Part Name	Material	ASTM Spec.
1	Body	Ductile Iron	ASTM A536 65-45-12
2	Body Seat	EPDM Optional: NBR	D2000
3	Disc	Ductile Iron (with SS316 Edge) Optional: Stainless Steel 316	ASTM A536 65-45-12
4	Shaft	Stainless Steel	ASTM 630
5	O-ring	NBR	D2000
6	Sealing Bushing	Stainless Steel	AISI A276 Type 304
7	Shaft Bushing	Brass	B16 C37700
8	Bottom Plate	Ductile Iron	ASTM A536 65-45-12

DIMENSIONAL DATA

Part No. FL x FL	3900F-130-A	3900F-140-A	3900F-160-A	3900F-180-A	3900F-200-A	3900F-220-A	3900F-240-A	3900F-260-A	3900F-280-A	3900F-300-A	3900F-340-A
Part No. MJ x MJ	3900M-130-A	3900M-140-A	3900M-160-A	3900M-180-A	3900M-200-A	3900M-220-A	3900M-240-A	3900M-260-A	3900M-280-A	3900M-300-A	3900M-340-A
Valve Size	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
A	6.30	7.01	8.39	9.65	10.87	12.52	14.06	16.06	17.32	18.54	22.52
C	2.17	2.17	2.17	2.17	2.17	3.15	3.15	3.94	3.94	3.94	3.94
Top Flange	F07	F07	F10	F10	F10	F12	F12	F16	F16	F16	F16
D	3.54	3.54	4.92	4.92	4.92	5.91	5.91	8.27	8.27	8.27	8.27
d	Ø14	Ø14	Ø25	Ø25	Ø25	Ø40	Ø40	Ø45	Ø45	Ø48	Ø48
E	ANSI 125# FL	5	5	5	6	8	8	8	8	8	8
	ANSI 250# FL	5	5	5	6	8	8	8	8	8	10
	MJ x MJ	8.50	8.50	8.50	8.62	9.25	9.25	11.50	11.93	12.24	13.27
Turns to Open/Close	6	6	8	8	8	13	13	20	20	18	18

Notes:

1. Designed and manufactured to AWWA C504, **Class 250B**.
2. Flange ends to ANSI B16.1 Class 125. Other flange types are available.
3. Mechanical-Jointed Ends to AWWA/ANSI C153/A21.
4. Top flange complies with ISO5211/1 or MSS SP-102
5. Operator: Manual Gear Operator w/ Wheel Handle (as shown)
Manual Gear Operator w/2" Square AWWA Nut
6. Fusion bonded coating interior and exterior complying with AWWA C550
7. Design and material are subject to change without notice.

Handwheel O.D.

3" ~ 4"	7.75
6" ~ 14"	11.75
16" ~ 24"	15.25



WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



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Website: www.unitedwaterproducts.com



APPLICATIONS:

Butterfly Valves can be used in any installation where throttling is desired in relatively clean liquid services. The valve is bubble tight at full rated pressure allowing for dead end service. Being a fully rubber lined valve allows this valve to be used in rough service applications.

FEATURES:

Ductile Iron Body
Full Rubber Lining on flanged valves
ASTM 630 Stainless Steel shaft
Fusion Bonded Epoxy Coating
ISO 5211 Mounting Plate
250 PSI Operating Pressure
Ductile Iron disc with 316 Stainless Steel disc edge

BENEFITS:

Ductile Iron bodies translate into pure strength achieving three times that of Cast Iron alone. After Fusion Bonding, the seat is vulcanized to the body making a very corrosion resistant valve. The single piece ASTM 630 Stainless Steel shaft is capable of high torques and will handle any actuator on the market via the 5211 mounting plate. The polished 316 Stainless Steel edge of the Ductile Iron disc assures users of a perfect seal every time.

*Materials List and Dimensions on reverse side

SPECIFICATIONS:

All butterfly valves shall be bubble-tight in either direction at rated valve pressure with rubber seating conforming to design standards of AWWA C-504, Class 250B latest revision. Manufacturer shall have a minimum of ten years manufacturing butterfly valves.

All butterfly valves bodies shall be constructed of Ductile Iron ASTM A536 Grade 65-45-12 and cast iron bodies will not be permitted. The disc shall be constructed of ductile iron and have a polished 316 Stainless Steel edge permanently welded to the disc. Cast Iron disc's will not be permitted. The (NSF-61) fusion bonded epoxy coated body shall have a vulcanized rubber lining throughout the interior of the body extending beyond the waterway of the valve to the outside of the valve. Standard epoxy paints and rubber seats attached to the disc will not be permitted.

The valve shaft will be constructed of ASTM 630 Stainless Steel. All valves 24" and smaller shall have a single piece shaft.