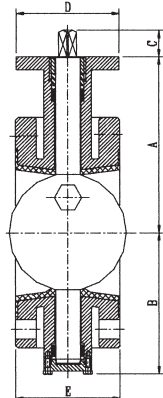


# AWWA C-504 BUTTERFLY VALVE

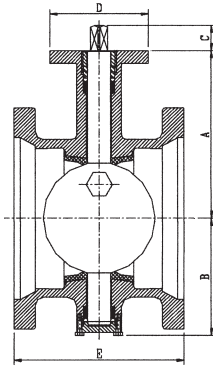
## Model 3900F & Model 3900M with Manual Gear Operator



Flange x Flange



MJ x MJ



### PRESSURE AND TEMPERATURE

Nominal Pressure	250 Psi
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	Stem	Stainless Steel	AISI 420
2	Spacer	Brass	ASTM B16 C36000
3	Packing	EPDM or NBR	-
4	Bushing	Brass	ASTM B16 C36000
5	Body	Ductile Iron	ASTM A536 65-45-12
6	Bearing	Teflon	-
7	Seat	EPDM or NBR	-
8	Disc	Ductile Iron (with SS316 Edge)	ASTM A536 65-45-12
9	Cover Plate	Ductile Iron	ASTM A536 65-45-12
10	Lock Washer	Carbon Steel	AISI 1045

### DIMENSIONAL DATA

Part No. FL x FL	3900F-130	3900F-140	3900F-160	3900F-180	3900F-200	3900F-220	3900F-240	3900F-260	3900F-280	3900F-300	3900F-340
Part No. MJ x MJ	3900M-130	3900M-140	3900M-160	3900M-180	3900M-200	3900M-220	3900M-240	3900M-260	3900M-280	3900M-300	3900M-340
Valve Size	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
A	6-5/16	7-1/16	8-3/8	9-5/8	10-15/16	12-1/2	14-1/16	16-1/16	17-1/4	18-9/16	22-9/16
B	3-11/16	5-1/2	6-13/16	8	9-5/16	10-13/16	12-1/8	12-3/8	13	14-5/16	16-3/4
C	1-3/16	1-3/16	1-3/16	1-3/16	1-3/16	1-3/16	1-3/4	1-3/4	1-3/4	1-3/4	1-3/4
D	3-9/16	3-9/16	4-15/16	4-15/16	4-15/16	4-15/16	5-15/16	6-7/8	6-7/8	8-5/16	8-5/16
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	8-1/2	8-1/2	8-1/2	8-5/8	9-1/4	9-1/4	11-1/2	12	12-1/4	13-1/4

Specify Stainless Steel or Ductile Iron Disc and EPDM or NBR Seat

#### Notes:

1. Designed and manufactured to AWWA C504.
2. Flange ends to ANSI B16.1 Class 125. Other flange types are available.
3. Mechanical-Jointed Ends to AWWA/ANSI C153/A21.53.00.
4. Top flange complies with ISO5211/1.
5. Operator: Manual Gear Operator w/ Wheel Handle (as shown)  
Manual Gear Operator w/2" Square AWWA Nut
6. Design and material are subject to change without notice.

### Handwheel O.D.

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

Form No. U0212



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**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 (Class 250B)  
Full Rubber Lining on flanged valves  
AISI 420 Stainless Steel shaft  
Fusion Bonded Epoxy Coating  
ISO 5211 Mounting Plate  
250 PSI Operating Pressure (Class 250B)  
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 420 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 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 AISI 420 Stainless Steel. All valves 24" and smaller shall have a single piece shaft.