

Series 800 Butterfly Valves

AWWA C504 Class 150B and 250B

Buried Service, 24" to 72"

Description

The GA Industries Series 800 AWWA Butterfly Valves are rugged, versatile and dependable valves routinely used in water filtration plants, pumping stations, pipelines and power plants to isolate equipment or systems.

Sizes 24" to 72" Series 800 butterfly valves are standard with a high strength ductile iron body with a field replaceable EPDM-P rubber seat in combination with a ductile iron disc with a 316SS seat edge for bi-directional tight shutoff at low and high pressure.

Mechanical joint end valves are available in sizes 24" to 48, flanged valves in sizes 24" to 72" with buried service manual worm gear operator and 2" nut. Electric motor or pneumatic actuator with floor stand or extended bonnet are also available.

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Standard Features

- Internal and external epoxy coated, high strength ductile iron body
- EPDM-P rubber seat, field replaceable or adjustable using common tools
- Bi-directional zero leakage seating up to full rated pressure
- Self-adjusting shaft seals
- Type 316 stainless steel external fasteners
- Integral FA actuator mounting pad, eliminates brackets

Standard Materials

- Body Ductile Iron, ASTM A536 Grade 65-45-12
- Body Seat EPDM-P Rubber (Buna-N optional)
- Disc Ductile Iron, ASTM A536 Grade 65-45-12 with 316SS Seat Edge
- Shaft Class 150B: Type 304 SS
Class 250B: Type 17-4PH SS
- Shaft Bearings Self Lubricating
- External Fasteners Type 316 Stainless Steel

Corrosion Protection

- Standard: Internal and External PPG/Amerlok 400 NSF-61 Certified 2-Part Epoxy, Minimum 6 mil DFT

Approvals & Certifications

- Fully complies with AWWA Standard C504
- NSF-61 Certified for Contact with Drinking Water
- NSF-372 Certified Lead Free (Max 0.25% Lead Content by Weighted Average)

Options and Accessories

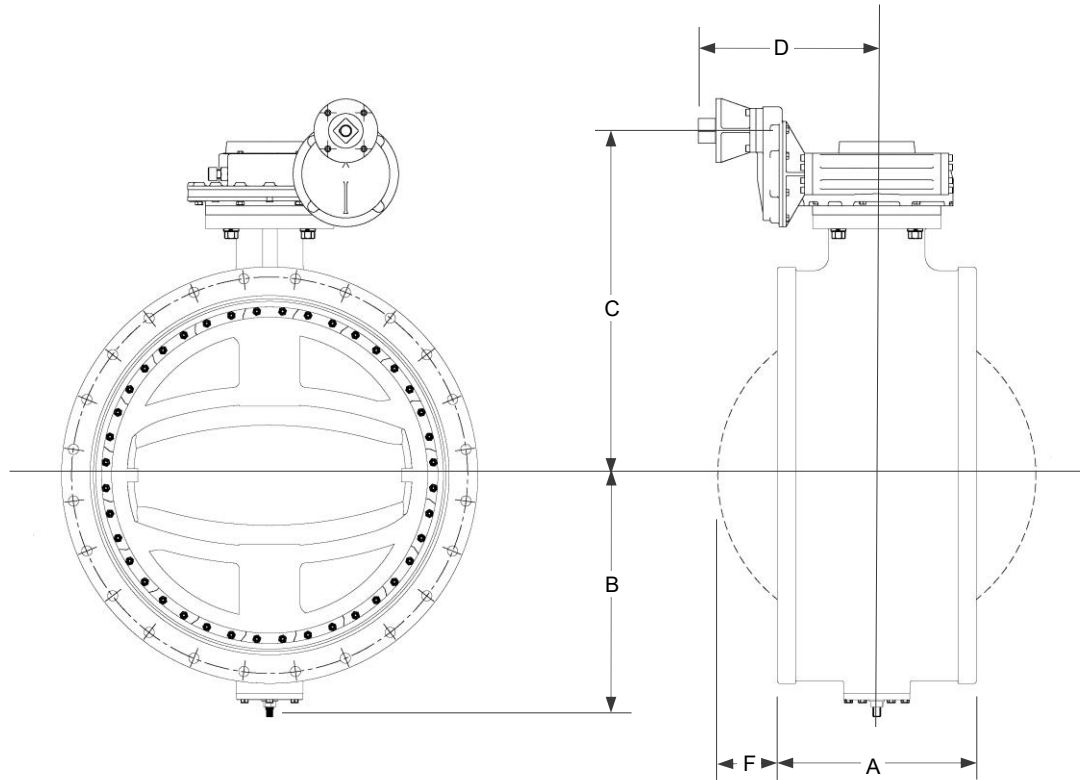
- Option BZ – Lead Free Bronze Disc Instead of Standard Ductile Iron/316SS Seat Edge
- Option OR – Open Right (Clockwise) Instead of Standard Open Left (Counterclockwise)

Ordering Data

- Series 800
- Pressure Class (150B or 250B)
- Size
- Connection (Mechanical Joint or Class 125 flanged)
- Actuator Orientation
- Options/Accessories

Non-Shock Working Water Pressure 33F to 125F (1C to 52C)				
AWWA C504 Pressure Class	Class 150B		Class 250B	
Connections	Mechanical Joint ANSI/AWWA A21.11/C111	Flanged ANSI Class 125	Mechanical Joint ANSI/AWWA A21.11/C111	Flanged ANSI Class 125
Size	24" to 48"	24" to 72"	24" to 48"	
Manual Operation	Worm Gear with 2" Nut		Worm Gear with 2" Nut	
Max Working Pressure	150 PSI		250 PSI	
Hydro Test	300 PSI		500 PSI	

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Worm Gear Installation Dimensions

SIZE		24"	30"	36"	42"	48"	54"	60"	66"	72"
A	MJ	13¾	18	22	22½	24	--	--	--	--
	FLG	8	12	12	12	15	15	15	18	18
B		17½	23	26½	29¾	34½	37½	41½	46½	49½
C (Max)		27¾	30¾	34½	39¾	43	51½	54¾	53¾	57½
D		14½	14½	14½	20½	20½	22½	22½	26½	26½
F	MJ	5½	6	7	9¾	12	---	---	---	---
	FLG	8	9	12	15	16½	18¼	21½	23½	26
WGT	MJ	1,375	1,825	2,625	3,700	5,000	---	---	---	---
	FLG	1,225	1,625	2,225	3,335	4,235	5,900	7,450	9,350	11,400

- Dimensions reflect standard worm gear actuator for 150 PSI service. Dimensions C, D and E will differ for other actuators.
- Actuator can be rotated in 90-degree increments about valve centerline
- Dimensions in inches and weight in pounds and are approximate. Request certified drawings if critical.

Flow Coefficients

SIZE	24"	30"	36"	42"	48"	54"	60"	66"	72"
C _v	28,850	42,000	62,000	79,000	108,000	131,355	169,225	212,435	255,885
K	0.38	0.41	0.39	0.44	0.41	0.44	0.40	0.37	0.37