

GA Industries, LLC  
SERIES 800 Rubber Seated Butterfly Valve  
AWWA C504 Wafer Style  
SUGGESTED SPECIFICATION

DESIGN

- A. Butterfly valves shall be in complete accordance with AWWA C504 (latest revision) for Rubber Seated Butterfly Valves. Valves shall be bubble-tight at rated pressure and be capable of operation after long periods of inactivity.
- B. Valve body shall conform to the wall thickness requirements of AWWA C504 and have an integral ISO 5211/MSS SP-101 pad for direct mounting of the actuator.
- C. The nominal size, pressure rating, date of manufacture and manufacturer's name shall be cast onto the body or be on a permanently attached nameplate.

CONSTRUCTION

- A. Wafer Style Valves sizes 3" to 20" shall be constructed as follows:
  - 1. Valve body shall be ASTM A536 Grade 65-45-12 ductile iron with a permanent rubber seat molded and vulcanized to the body with a completely rubber lined waterway.
  - 2. Valve discs shall be epoxy coated ductile iron and of the concentric design with a 316 stainless steel seat edge.
  - 3. Valve shaft shall be one-piece Type 304 stainless steel shaft extending through the disc. The disc shall be fastened to the shaft with stainless steel pins forming a leak tight joint.
  - 4. The seat shall be made from Buna-N rubber and shall seal against full rated differential pressure. Rubber seats retained by epoxy or adhesive are not acceptable.
  - 5. Valves shall have corrosion-resistant, self-lubricating upper and lower shaft bearings suitably designed for horizontal or vertical shaft orientation with replaceable, self-adjusting Buna-N shaft packing.

COATINGS

- A. Valves shall have internal ferrous surfaces coated with 6-8 mil of NSF-61 certified epoxy per AWWA C550.
- B. External surfaces except flange faces shall be factory primed with 6-8 mil of epoxy.

ACTUATORS

- A. Manually operated valves for above ground service shall be actuated by a worm gear or traveling nut actuator with a handwheel and visual position indicator.
  - a. When specified, valves 3" to 12" shall be supplied with a 10-position lever operator.
- B. Manually operated valves for buried service shall be actuated by a sealed and grease-packed worm gear or traveling nut actuator with a 2" square operating nut.
- C. Manual actuators shall conform to AWWA C504 and direct-mount on an integral, pre-drilled ISO 5211/MSS SP-101 pad on the valve body.
- D. When shown on the plans or listed in the valve schedule, the valve shall be operated by an electric motor, pneumatic or hydraulic cylinder actuator.

MANUFACTURER

- A. Rubber-seated wafer style butterfly valves shall be Series 800 as manufactured by GA Industries, LLC, Cranberry Township, PA USA

**GA Industries, LLC**

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**SAMPLE SPECIFICATION  
SERIES 800  
WAFER STYLE BUTTERFLY VALVES**

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**BFV-CW-002**