

## **AWWA Butterfly Valve Specifications**

- **Butterfly valves shall be of the short body rubber seated type, conforming to the latest revision of AWWA C504. Valves shall be bubble tight at the rated pressure and shall be suitable for both throttling and on/off isolation service.**
- **Valve body shall be of cast iron construction to ASTM A126 Class B.**
- **Valve discs shall be of ductile iron, ASTM A48 Class 4 with stainless steel seating edge.**
- **Valves shall be flanged. Flanged drillings shall be to ANSI B16.1 Class 125.**
- **Valve shafts shall be of solid 304 stainless steel corresponding to the design requirements of the latest revision of AWWA C504. The shafts shall be fastened to the disc by a means designed to provide vibration-proof connection.**
- **Seat on disc.**
- **Seats and shaft packing shall be of Buna-N.**
- **Seats to be fully adjustable in all sizes.**
- **Shaft bearings shall be of the self-lubricating corrosion resistant sleeve type designed for both horizontal and vertical shaft loading.**
- **Valves shall be hydrostatically tested for bubble tight shut-off in accordance with the latest revision of AWWA C504.**
- **All materials, coatings and lubricants to be suitable for potable water applications.**
- **Valve to be interior/exterior epoxy coated with NSF-61 Epoxy per AWWA C550.**
- **Valve to be NSF-61 approved.**

### **Manual Operators:**

- **Unless otherwise indicated, valves shall be provided with handwheel operated worm gear actuators, c/w external stops, suitably selected for the torque requirements of AWWA valve class.**
- **Cast an arrow with the word OPEN@ in a prominent location, readily visible to the operator, indicating the correct rotation of the crank to open (counter clockwise).**
- **Provide properly sized handwheels to suit the size of the valve, having a diameter of not less than 250mm in diameter. Provide for larger handwheels on valves greater than 1050mm in diameter.**
- **Acceptable Suppliers:**
  - **Valmatic-American (as supplied by Syntec Process Equipment Ltd.)**
  - **Or approved equal**