

# **AWWA Non-Rising Gate Valve Specification**

- **Larger than 50mm diameter gate valves shall be resilient seated, non-rising stem conforming to the latest revision of AWWA C509.**
- **The wedge shall be fully encapsulated in the elastomer, including the guides. The brass stem nut must be rigidly enclosed in the wedge to maintain alignment. The wedge elastomer shall be bonded to the wedge. Stem to be stainless steel AISI420.13%.**
- **The waterway shall be full size to allow for tapping use; no cavities or depressions are permitted in the seat area.**
- **Valve body and bonnet shall be electrostatically applied fusion bonded epoxy, coated both inside and out by the valve Manufacturer. The coating shall meet the requirements of AWWA C550. Coating to be applied only at the valve Manufacturer's facilities.**
- **Suitable for submerged service where indicated.**
- **Handwheel operated or 50mm square operating nut where noted.**
- **Valve must be suitable for potable water application.**
- **Shaft spindle to have "O" rings to resilient materials.**
- **Valve operators to be waterproof type suitable for continuous submergence duty. Operators to be greased packed, enclosed gear type. Worm gear and input shaft to be stainless steel.**
- **If valve operator located more than 2 meters from finished floor, provide chainwheel.**
- **Valves to open in a counter-clockwise direction.**
- **Acceptable suppliers – with five (5) or more years manufacturers experience in the Region: American or approved equal**