

**CITY OF AKRON, OHIO
DEPARTMENT OF PUBLIC SERVICE
WATER SUPPLY BUREAU**

**SPECIFICATIONS FOR RUBBER SEATED BUTTERFLY VALVES, CLASS 150
WITH MECHANICAL JOINT ENDS**

DESCRIPTION

Valves and operators shall be manufactured in conformity with the latest revision of ANSI/AWWA C504, except as may be amended in the following specifications. Valves shall be manually operated through a valve box by turning a two inch square AWWA operating nut with a stainless steel or brass retaining nut to the right or clockwise to open. Valves shall be designed for complete burial.

The valves furnished under these specifications shall be short body, Class 150-B ductile or gray cast iron butterfly valves, as manufactured by Mueller Company, or equal. They shall be equipped with corrosion resistant discs, stainless steel shafts, nylon bearings, and replaceable rubber seats. Valve bodies shall have mechanical joint ends. Furnish valves **without** glands, gaskets, and accessories. Flanged end, long body, or wafer style valves will not be accepted. Preference will be given to butterfly valves with an adjustable rubber seal mounted on the valve body instead of the disc. Actuators shall be designed to withstand an input torque of no less than 400 foot-pounds on the travel stop nuts.

Valves shall receive the standard asphalt varnish finish in accordance with the latest revision of ANSI/AWWA C504, Section 4.2. Valves shall be subjected to all of the tests of the latest revision of ANSI/AWWA C504, Section 5.

DRAWINGS

Each bidder shall submit with their bids detailed drawings showing the dimensions for the valves and operators they propose to furnish and the composition of the materials used. In considering the bids received, the Engineer may take into account the design and materials of the various valves as set forth in the drawings and information accompanying the bids.

GUARANTEE

The valve manufacturer shall guarantee the valves as to workmanship, materials, and proper operation for a period of one year after the valves are put into operation.