

## SUGGESTED SPECIFICATIONS

# HP250II™ BUTTERFLY VALVE 125# FLANGED & MECHANICAL JOINT

**PRATT®**

### General

Butterfly valves shall be manufactured in accordance with the latest revision of AWWA Standard C504 Class 250B, Valve shall be suitable for a differential pressure of 250 psig, and be certified to NSF Standard 61. Valves shall be Henry Pratt Model HP250II™ as manufactured by the Henry Pratt Company.

### Valve Body

The body shall be constructed of Ductile Iron ASTM A536 Gr. 65-45-12, with flanged end connections drilled in accordance with ANSI B16.1, Class 125, or Mechanical Joint ends. The body wall thickness shall be in strict accordance with AWWA C504.

### Valve Shaft

The shaft shall be made of ASTM A-564 Type 630 condition H-1150. The shaft seals shall be "V" type packing. Shaft seals shall be of a design allowing replacement without removing the valve shaft. No O-ring or "U" cup packing shall be allowed. The bearing shall be a stainless steel backed Teflon material. Bearing load shall not exceed 1/5 of the compressible strength of the bearing or shaft material.

### Valve Disc

The disc shall utilize an on-center shaft and symmetrical design, cast from Ductile Iron ASTM A536 Gr. 65-45-12. The disc edge shall be stainless steel type 316. Disc shall be retained by pins that extend through the full diameter of the shaft. The pin material shall be the same as the shaft material. Torque plugs or tangential fasteners shall not be allowed. For valve sizes 3" through 20" the rubber seat shall be of one piece construction, simultaneously molded and bonded directly into the body. The seat material shall be either Buna-N or EPDM rubber.

### Valve Actuator

Manual actuators shall be of the traveling nut, self-locking type and shall be designed to hold the valve in any intermediate position between fully open and fully closed without fluttering or creeping. The actuator shall have mechanical stops that will withstand an input torque of 450 ft/lb. against each stop. Manual actuators shall conform to AWWA Standard C504 and shall be Pratt MDT as manufactured by the Henry Pratt Company.



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