

PRODUCT SPECIFICATIONS

HP250™ BUTTERFLY VALVE

250# FLANGED ENDS

PRATT®

General

Valves shall be manufactured with a 250 psi rating. The valves shall be capable of operating at pressures of 250 psi. Valves shall be Henry Pratt Model HP250™ as manufactured by the Henry Pratt Company.

Valve Body

Valve body shall be constructed of ductile iron ASTM A-536. End connections shall be ANSI Class 250 with 250# drilling pattern.

Valve Disc

Disc shall be made from ductile iron ASTM A-536. Discs shall be furnished with 316 stainless steel seating edge to mate with the rubber seat.

Valve Seat

Valve seat shall be Buna-N rubber located on the valve body.

Valve Shafts

Shafts shall be stainless steel ASTM A-564 Type 630 Condition H-1150. Stub shafts or through shafts are acceptable. Shaft seals shall be standard self-adjusting split "V" type packing. Shaft seals shall be of a design allowing replacement without removing the valve shaft.

Valve Bearings

Valve bearings shall be sleeve type that is corrosion resistant and self-lubricating.

Valve Actuators

Valve actuators shall be fully grease packed and have stops in the open/closed position. The actuator shall have a mechanical stop which will withstand an input torque of 450 ft./lbs. against the stop. The traveling nut shall engage alignment grooves in the housing. The actuators shall have a built in packing leak bypass to eliminate possible leakage into the actuator housing.

Painting

Valve Interior and Exterior Surfaces except for seating shall be coated with two coats of epoxy paint in accordance with TT-C-494A and AWWA C504 latest edition.

Testing

All Valves shall be hydrostatic and leak tested. The leak test shall be performed at a differential pressure of 250 psi with the disc in a closed position. In a slightly open position, internal hydrostatic pressure equal to 500 psi shall be applied to the inside of the valve body for five minutes.



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