



GROUNDHOG® BUTTERFLY VALVE

AWWA C504 CLASS 150B FOR BURIED SERVICE

Suggested Specifications

GENERAL

All butterfly valves shall be manufactured in accordance with the latest revision of AWWA C504 for Class 150B service. All valves shall be either Pratt Groundhog® as manufactured by us or an engineer approved equal. Valves in sizes 3-24" shall have 304 stainless steel trim as standard.

VALVE BODY

Valve body shall be constructed of cast iron ASTM A-126 Class B and conform to AWWA C504 in terms of laying lengths and minimum body shell thickness. End connections shall be as specified on the plans.

VALVE DISC

Valve disc shall also be made from cast iron ASTM A-126 Class B in sizes 20" and smaller. Sizes 24" and larger shall be built from ductile iron in conformance to ASTM A-536. Disc shall be furnished with Type 316 stainless steel seating edge to mate with the rubber seat on the body.

VALVE SEAT

Valve seat shall be Buna-N rubber located on the valve body. In sizes 20" and smaller, valves shall have bonded seats that meet test procedures outlined in ASTM D-429 Method B. Sizes 24" and larger shall be retained in the valve body by mechanical means without use of metal retainers or other devices located in the flow stream.

VALVE SHAFT

The shaft shall be Type 304 stainless steel conforming to ASTM A-276. Shaft seals shall be standard self-adjusting split V packing. Shaft seals shall be of a design allowing replacement without removing the valve shaft.

VALVE BEARINGS

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

VALVE ACTUATORS

Actuators shall be fully grease packed and have stops in the open/close 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 packing leakage into the actuator housing.

PAINTING

The Valve Interior and Exterior Surfaces except for seating shall be coated with Ameron Amerlock 370 in accordance with AWWA C550 and C504. All internal and/or external surfaces shall be covered with a polyamide cured epoxy coating applied over a sand blasted "new white metal surface" per SSPC-SP10 to a minimum of 6 mils in compliance with AWWA C550.

For more information about Pratt or to view our full line of water products, please visit www.prattvalve.com or call Pratt customer service at 1.800.423.1323.

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