

SPECIFICATIONS - DETAILED PROVISIONS
Section 15111 - Check Valves

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**SECTION 15111
CHECK VALVES**

PART 1 - GENERAL

1.01 REQUIREMENT

Check Valves for water service. Under this specification the contractor shall furnish, deliver and unload, within the time specified in the Special Provisions, the check valves as specified on the Bidding Sheet and hereinafter described in these specifications.

PART 2 - PRODUCT

2.01 CHECK VALVES

Check valves shall be single disc, swing type, with spring and lever when so specified on the Bidding Sheet. At full open position, the area of the water way shall not be less than the area of the proposed connecting pipe area. Check valve bodies and all necessary parts shall be a size and type suitable for use with pressure as specified. Flanged ends shall be faced and drilled and back of flanges shall be spot-faced, in conformance with the "American 125 pound Cast Iron Flange Standard." Flange faces shall have standard machine finish.

Body seat rings shall be of bronze and of the removable type screwed into place. Disc shall seat tightly without slamming under specified working pressure. The disc shall have a bronze seat ring securely fastened to the disc.

Hinge-pins shall be stainless steel and bushing shall be either bronze or stainless steel. Hinge shall be solid bronze or stainless steel.

Check valves shall be subject to hydrostatic test of not less than 300 psi.

2.02 COATINGS

All check valves shall have all wetted ferrous parts epoxy coated. The epoxy shall be thermosetting, approved for potable water, and shall conform to AWWA C-550.

All coated surfaces shall be visually and electrically examined for defects. The coating shall be holiday free with a low voltage wet sponge test per AWWA C-550.

END OF SECTION 15110

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