Engineering Specification

Model G Riser Check Valve

**Recommended CSI MasterFormat Specification Location: 21 13 13, Wet-Pipe Sprinkler Systems (formerly 13930)**

The riser check valve shall be **[**cULus Listed**]** **[**FM Approved**]** for both vertical and horizontal installations. The riser check valve shall be a spring-loaded check valve having a rated working pressure of 250 psi and factory hydrostatic tested to a pressure of 500 psi. Valve body casting shall be gray iron per ASTM-A48 Class 30A, containing a bronze seat and stainless steel clapper per ASTM A240 with rubber gasket and EPDM rubber facing seal. Valve size shall be **[**4” (100mm)**] [**6” (150mm)**] [**165mm**] [**8” (200mm)**]** **[**10” (250mm)**]** with grooved end connections per ANSI/AWWA C606. The riser check valve shall be factory tapped for **[**1¼”**] [**2”**]** NPT main drain in accordance with NFPA 13 and plugged ½” NPT system connection with additional ¼” NPT supply connections. All parts of the clapper assembly to consist of stainless steel. Check valve shall be capable of holding air pressure in the system without the use of priming water.

Trim components shall consist of **[**1¼” bronze angle valve for 1½”, 2” and 3½” sizes**] [**2” bronze angle valve for 4” and 6” sizes**]** for the main drain connection, and a 300 psi pressure gauge connection with 3-way bronze globe valve located on both the upstream and downstream side of the riser check.

Riser Check Valve shall be the Reliable Model G. Refer to Reliable Bulletin 806 for associated information.