Engineering Specification

Model CVE Riser Check Valve (Shotgun Riser)

**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 wet-pipe sprinkler systems in both vertical and horizontal installations. The valve shall have a spring-loaded check valve with a rated working pressure of 300 psi (20,7 bar) and factory hydrostatically tested to a pressure of 600 psi (41,4 bar). Valve body and cover construction shall consist of gray iron per ASTM-A48 Class 30A. Check valve shall have a threaded-in, one-piece seat of bronze construction for ease of maintenance, and O-ring seals to prevent corrosion and leakage. Clapper assembly shall be ductile iron casting with brass bushing assembly, with EPDM rubber facing seal and stainless steel clamping ring. Valve size shall be **[**4” (100mm)**] [**6” (150mm)**] [**165mm**] [**8” (200mm)**]** with grooved end connections per ANSI/AWWA C606. The riser check valve shall be factory tapped with two (2) ½” and two (2) 2” NPT plugged connections. The valve body shall have a removable faceplate for ease of inspection and maintenance as required by NFPA 25, Standard for Inspection, Testing and Maintenance of Water-Based Fire Protection Systems. The Riser Check Valve basic trim shall consist of galvanized pipe and brass trim components, including 2” main drain, and water pressure gauges for both the system and supply sides.

Riser check valve shall be the Reliable Model CVE. Refer to Reliable Bulletin 810 for associated information.