Engineering Specification

Model G5-56 Dry Concealed Pendent Quick Response Sprinklers

**Recommended CSI MasterFormat Specification Location: 21 13 00, Fire Suppression Sprinkler Systems (formerly 13930)**

Sprinklers shall be standard coverage, quick response [cULus Listed] [FM Approved] flat plate concealed dry pendent sprinklers. Sprinkler to be of bronze frame construction with drop down deflector and [165°F (74°C)] [212°F (100°C)] fusible solder link assembly attached to a 1” diameter galvanized extension nipple of specified length, “A” dimension - 4½” (108 mm) to 48” (1219 mm), measured from face of fitting to ceiling, having a machined 1” NPT (ISO7-1R1) thread. Extension nipple shall have an extended inlet above the thread, having a minimum dimension of ¾” (19 mm). Internal construction shall consist of an inner tube/yoke assembly with orifice adapter consisting of all brass parts. Inlet seal assembly shall consist of a Teflon-coated Belleville spring washer with brass cap. Nominal K-factor of dry sprinklers shall be 5.6 gpm/psi1/2 (81 l/min/bar1/2) and the sprinkler temperature rating shall be [165°F (74°C)] [212°F (165°C)]. Rated working pressure shall be 175 psi (12.1 bar).

Flat cover plate assembly construction shall consist of brass cover plate attached to copper alloy skirt using **[**135°F (57°C)**] [**165°F (74°C)**]** ordinary temperature classification solder. Cover plate shall attach to sprinkler cup assembly by a threaded engagement providing ½” (12 mm) of cover plate adjustment. Cover plate design shall be **[**White Painted**] [**Chrome**] [**Special Finish – specify**]**.

A secure, factory installed protective cap shall be provided and shall be capable of preventing paint, joint compound, and other foreign matter from getting between and into the sprinkler cup assembly. The protective cap shall remain on the sprinkler until the sprinkler system is placed in service.

Sprinklers shall the Model G5-56 Dry Concealed Pendent Sprinkler, SIN RA5114. Refer to Reliable Bulletin 051 for associated sprinkler information.