Engineering Specification

Model G5 Series Quick Response Automatic Sprinklers

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

Flat concealed pendent sprinklers shall be **[**cULus Listed quick response**] [**FM Approved standard response**]**. Sprinkler to be of bronze frame construction with drop down deflector and **[**165°F (74°C)**] [**212°F (100°C)**]** fusible solder link assembly. Water seal construction shall utilize Belleville spring seal coated with Teflon film on both sides. Concealed pendent sprinkler shall have a nominal K-factor of **[**2.8 gpm/psi1/2 (40 l/min/bar1/2) – small orifice**] [**4.2 gpm/psi1/2 (60 l/min/bar1/2) – small orifice**] [**5.6 gpm/psi1/2 (80 l/min/bar1/2) – standard orifice**] [**8.0 gpm/psi1/2 (115 l/min/bar1/2) – large orifice**]** and have [½” NPT**]** **[**R½**]** [¾” NPT**]** **[**R¾**]** thread. Sprinklers shall have a rated working pressure of **[**175 psi (12 bar)**] [**250 psi (17 bar)**] [**300 psi (21 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. Concealed pendent sprinklers shall be low profile, having a maximum installation dimension of 2¼” (57 mm) at full cover plate adjustment. Cover plate shall attach to sprinkler cup assembly by a threaded engagement providing ¾” (19 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 be wrench-able and remain on the sprinkler until the sprinkler system is placed in service.

Sprinklers shall be of the Model G5 Series. Refer to Reliable Bulletin 034 for associated sprinkler identification number (SIN) with respect to style, orifice size and thread combination.