Engineering Specification

Model F1 Series Standard Response Automatic Sprinklers

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

Sprinklers shall be a standard response, **[**standard spray upright**] [**standard spray pendent**] [**standard spray recessed pendent**] [**conventional upright/pendent**] [**vertical sidewall**] [**horizontal sidewall**] [**recessed horizontal sidewall**]** that is **[**cULus Listed**] [**FM Approved**]**. Sprinkler frame and deflector shall be of bronze frame construction having a ½” NPT thread. Water seal assembly shall consist of a Teflon-coated Belleville spring washer and top-loaded extruded cup with 5 mm glass bulb containing no plastic parts. Sprinkler temperature rating shall be **[**135°F (57°C)**] [**155°F (68°C)**] [**175°F (79°C)**] [**200°F (93°C)**] [**286°F (141°C)**] [**360°F (182°C)**] [**500°F (260°C)**]**. Sprinklers shall have a nominal K-factor of **[**2.8 gpm/psi1/2 (40 l/min/bar1/2) – small orifice**] [**4.2 gpm/psi1/2 (61.0 l/min/bar1/2) – small orifice**] [**5.6 gpm/psi1/2 (81.0 l/min/bar1/2) – standard orifice**]**. Sprinklers shall have a rated working pressure of 175 psi (12.1 bar). Standard finish: **[**Bronze**] [**Chrome Plated**] [**Polyester Coated**] [**Special finish– specify**]**.

Sprinklers shall be of the Model F1 Series. Refer to Reliable Bulletin 013 for associated sprinkler identification number (SIN) with respect to style, orifice size and thread combination.

**For recessed sprinklers, add**:

**{**Recessed escutcheon assembly shall be a two-piece “friction fit” escutcheon with **[*Model F2 escutcheon:*** ½” (13 mm)**] [*Model F1 escutcheon:*** ¾”(19 mm)**]** adjustment.**} {Pendent sprinklers only:** Recessed escutcheon assembly shall be a factory-assembled, two-piece steel escutcheon of push-on/thread-off design with ½” adjustment. Standard finish shall be **[**White Painted**] [**Chrome**] [**Brass**] [**special finish – specify**]}**

Standard finish: **[**White Painted**] [**Chrome**] [**Brass**] [**Special finish– specify**]**.

Recessed escutcheons that are permitted by the manufacturer to be used with each Model F1 Series recessed sprinkler shall be used.