Engineering Specification

Model F1FR56-300 QREC Series Quick Response

Extended Coverage Automatic Sprinklers

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

Sprinklers shall be a quick response, extended coverage pendent that is cULus Listed. 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 3 mm glass bulb containing no plastic parts. Sprinkler temperature rating shall be **[**135°F (57°C)**] [**155°F (68°C)**]**. Sprinklers shall have a nominal K-factor of 5.6 gpm/psi1/2 (81 l/min/bar1/2) – standard orifice. Sprinklers shall have a rated working pressure of 300 psi (20.7 bar). Standard finish: **[**Bronze**] [**Chrome Plated**] [**White Polyester**] [**Special finish– specify**]**.

Sprinklers shall be the Model F1FR56-300 QREC pendent, SIN RA3045. Refer to Reliable Bulletin 030 for additional sprinkler information.

**For recessed pendent sprinklers, add**:

**{**Recessed escutcheon assembly shall be a factory-assembled, two-piece steel escutcheon of push-on and thread off design with ½” adjustment. Standard finish shall be **[**White Polyester**] [**Chrome Plated**] [**Brass**] [**special finish – specify**]**.**} {**Recessed escutcheon assembly shall be a two-piece “friction fit” escutcheon with ½” adjustment. Standard finish: **[**White Polyester**] [**Chrome Plated**] [**Brass**] [**Special finish– specify**]**.**}**

Recessed escutcheons that are listed for use with the Model F1FR56-300 QREC recessed pendent sprinkler shall be used.

**For concealed pendent sprinklers, add**:

Concealed pendent sprinklers shall have a factory-installed, steel sprinkler cup. Method of attaching the cover plate to the sprinkler cup shall be a push-on and thread-off design allowing **[**1/2” (13 mm)**] [**5/8” (8 mm)**]** of adjustment. The cover plate temperature rating shall be 135°F (57°C). A factory applied protective cap shall be provided to protect against installation damage. Standard cover plate finish: **[**Chrome**] [**White**] [**Special finish– specify**]**.

Cover plates used with the Model F1FR56-300 QREC concealed pendent shall be the Model CCP cover plate.