Engineering Specification

Model J168 Upright Standard Response Automatic Sprinklers

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

Sprinklers shall be standard response upright sprinklers that are **[**FM Approved**] [**cULus Listed**]**. Sprinkler construction shall be a bronze, die-cast frame with grooved wrench flat and copper-alloy deflector. Water seal assembly shall consist of a Teflon-coated Belleville spring washer containing no plastic parts, utilizing a levered fusible alloy solder link. Sprinkler temperature rating shall be **[**165°F (74°C)**] [**212°F (100°C)**] [**286°F (141°C)**]**. Sprinklers shall have a nominal K-factor of 16.8 gpm/psi1/2 (242 l/min/bar1/2) and **[**¾” NPT**] [**ISO 7-1R¾**]** thread. Sprinklers shall have a rated working pressure of 175 psi (12 bar) and factory tested to 500 psi (34.5 bar).

**{Special Application Finishes Option:**

Exposed sprinklers subject to corrosive atmospheres shall have a factory-applied **[**165 ºF (74ºC) clear wax-coated**] [**212 ºF (100 ºC) brown wax-coated**] [**lead plated for 165 °F (74 °C), 212°F (100 °C), or 286°F (141°C)**] [**wax-coated over lead plated**]** corrosion resistant coating.**}**

Sprinklers shall be the Reliable Model J168 upright sprinklers. Refer to Reliable Bulletin 011 for associated sprinkler information.