Engineering Specification

Model JL-17 ESFR Pendent Automatic Sprinklers

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

Sprinklers shall be cULus Listed Early Suppression Fast Response (ESFR) pendent suppression mode sprinklers FM Approved for commodity storage applications. Sprinkler frame and deflector to be of bronze construction. Fusible alloy solder link assembly shall utilize the strut and lever principle of operation with approved fast response beryllium-nickel thermal element with protective **[**black painted, 165ºF (74ºC)**] [**gray painted, 212ºF (100ºC)**]** coating. Water seal shall consist of a Teflon-coated Bellville spring washer and brass cap assembly containing no plastic parts. ESFR sprinklers shall have a nominal K-factor of 16.8 gpm/psi1/2 (240 l/min/bar1/2) and **[**¾” NPT threaded**] [**ISO7 1R3/4 (BSPT) threaded**] [**IGSTM Style V9 Sprinkler Coupling**]** end connections. Sprinklers shall have a rated working pressure of 175 psi (12 bar). Sprinkler temperature rating shall be **[**Ordinary 165ºF (74ºC)**] [**Intermediate 212ºF (100ºC)**]**. ESFR pendent sprinklers shall be Reliable Model JL-17, SIN RA1914. Refer to Reliable Bulletin 019 for associated sprinkler information.