

MODEL NX007-NX008 CONCEALED PENDENT SPRINKLERS

The concealed pendent sprinklers are frangible bulb type automatic sprinklers. They are "standard/quick response - standard orifice spray sprinkler" intended for use in fire sprinkler systems designed in accordance with the standard installation rules recognized by the applicable listing or approval agency. They all produce a hemispherical water distribution pattern below the deflector.

Concealed sprinklers combine aesthetics with fire protection. The heart of the concealed assembly is a sprinkler contained within an attractive enclosure that blends with the ceiling for an unobtrusive and pleasing appearance. The cover plate assembly consists of an enclosure and a cover plate that is soldered to the enclosure at three equidistant points around its periphery.

The separable two-piece design of the cover plate and mounting cup assemblies allows installation of the sprinklers and pressure testing of the fire protection system prior to installation of a suspended ceiling or application of the finish coating to a fixed ceiling. The separable design also permits removal of suspended ceiling panels for access to building service equipment, without having to first shut down the fire protection system and remove sprinklers.

When a fire occurs, the sufficient ambient temperature will fuse the solder between the cover plate and the enclosure. The cover plate will fall away from the enclosure, to expose the sprinkler for operation. Then the thermal-sensitive liquid in the glass bulb expands, causing the bulb to shatter, releasing the button and spring seal assembly. Water flowing through the sprinkler orifice strikes the deflector, forming a uniform spray pattern to extinguish or control the fire.



Response: Standard

Coverage:

Produce a hemispherical water distribution pattern below the deflector.

Installation:

Pendent installed in accordance with the standard installation rules recognized by the applicable Listing or Approval agency (e.g. NFPA 13 requirements).

Orifice Size: 1/2" / 15mm

Thread Size: 1/2" Pipe thread

Temp. Rating: 135°F/57°C, 155°F/68°C, 175°F/79°C, 200°F/93°C

Maximum Service Pressure:

175 psig / 1.2MPa (12 bar)

Listings and Approvals:

UL / ULC / MEA / TFRI (CHINA)

Finishes:

Cover plates are supplied chrome plated or with any color factory applied paint

Technical Data Document: TD01515

Response: Quick

Coverage:

Produce a hemispherical water distribution pattern below the deflector.

Installation:

Pendent installed in accordance with the standard installation rules recognized by the applicable Listing or Approval agency (e.g. NFPA 13 requirements).

Orifice Size: 1/2" / 15mm

Thread Size: 1/2" Pipe thread

Temp. Rating: 135°F/57°C, 155°F/68°C, 175°F/79°C, 200°F/93°C

Maximum Service Pressure:

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