MODEL TY3201

Model TY3201 – 80 K-factor
Pendent Quick Response
Clean Room Application Sprinkler

Features and Benefits
• Ideal Sprinkler for Clean Room Applications
• Low Profile Frame Assembly
• Small Unobtrusive Deflector Width - Less than 26mm
• Quick Response 3mm Bulb Operation
• Aesthetically Attractive Device

General Description
The Model TY3201 Quick Response Pendent Sprinklers described in this data sheet are quick response - standard coverage, small frame, 3 mm glass bulb type spray sprinklers designed for use in light or ordinary hazard, commercial occupancies such as banks, hotels, shopping malls, etc.

The unique small profile deflector width (25.7mm) makes this non-ferrous sprinkler ideal for clean-room applications.

Installation:
Step 1. The Model TY301 Pendent sprinklers must be installed in the pendent or downward position.

Step 2. With pipe thread sealant applied to the pipe threads, hand tighten the sprinkler into the sprinkler fitting.

Step 3. Tighten the sprinkler into the sprinkler fitting using only the W-Type 6 Sprinkler Wrench. The W-Type 6 Sprinkler Wrench is to be applied to the sprinkler wrench flats.

Technical Data
Approvals
UL Listed

Maximum Working Pressure
12.1 bar

Pipe Thread Connection
1/2 NPT

Discharge Coefficient
K = 80 LPM/bar1/2

Finish
Chrome Plated

Temperature Rating
68°C

Physical Characteristics
Frame - Bronze
Button - Bronze
Sealing Assembly - Beryllium Nickel w/Teflon*
Bulb - Glass (3mm dia.)
Compression Screw - Bronze
Deflector - Brass

* Registered trademark of DuPont

(Always refer to Technical Data Sheet [TYP179] for complete description of all Listing criteria, design parameters, installation instructions, care and maintenance guidelines, and our limited warranty).
Ordering Procedure
Contact your local distributor for availability.

Sprinkler Assemblies
Specify: Model TY3201, 68°C, Quick Response Pendant Sprinkler with Chrome Plated Finish, P/N 51-014-9-155.

Sprinkler Wrenches
Specify: W-Type 6 Sprinkler Wrench, P/N 56-000-6-387.

Operation
The glass bulb contains a fluid that expands when exposed to heat. When the rated temperature is reached, the fluid expands sufficiently to shatter the glass bulb, allowing the sprinkler to activate and flow water.

Design Criteria
The Model TY3201 Quick Response Pendant Sprinklers are intended for fire protection systems designed in accordance with the standard installation rules recognized by the applicable Listing or Approval agency (e.g., UL Listing is based on the requirements of NFPA 13).