



# Report of Materials and Equipment Acceptance Division

NYC Department of Buildings  
280 Broadway, New York, NY 10007  
Patricia Lancaster, FAIA, Commissioner  
(212) 566-5000, TTY: (212) 566-4769

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

## MEA 354-01-E Vol. 3

**Manufacturer:** Tyco Fire & Building Products, 8902 North Interstate 27, Lubbock, TX 79403

**Trade Name(s):** Tyco Fire & Building Products

**Product:** Bulb-type sprinklers

**Pertinent Code Section(s):** Subchapter 17 and Reference Standard RS 17

**Prescribed Test(s):** UL 199

**Laboratory:** Underwriters Laboratories, Inc.

**Test Report(s):** UL File Ex5985, Project Nos. 02NK40130, 02NK45262, 01NK17140, 04NK25757, 03NK27499, 05NK18971, 05NK30337, 05NK30961, 05NK31158, 06NK20683 and 07NK05913, issued March 24, 2005, revised March 30, 2007.

**Description:** Series TY-B/FRB, 5.6K and 8.0K upright and pendent, quick and standard response corrosion-resistant, stainless steel bulb-type sprinklers are designed for use in fire suppression systems.

Model	Description	K-Factor	Temperature Rating	Finishes
TY8191	Upright, standard response, 5mm bulb-type, corrosion-resistant sprinkler, 1/2" NPT with maximum working pressure of 175 psi	5.6K	135°F, 155°F, 175°F, 200°F, 286°F and 360°F	Stainless steel
TY8291	Pendent, standard response 5mm bulb-type, corrosion-resistant sprinkler, 1/2" NPT with maximum working pressure of 175 psi	5.6K	135°F, 155°F, 175°F, 200°F, 286°F and 360°F	Stainless steel

<b>Model</b>	<b>Description</b>	<b>K-Factor</b>	<b>Temperature Rating</b>	<b>Finishes</b>
<b>TY9191</b>	<b>Upright, standard response, 5mm bulb-type, corrosion-resistant sprinkler, 3/4" NPT with maximum working pressure of 175 psi</b>	<b>8.0K</b>	<b>135°F, 155°F, 175°F, 200°F, 286°F and 360°F</b>	<b>Stainless steel</b>
<b>TY9291</b>	<b>Pendent, standard response 5mm bulb-type, corrosion-resistant sprinkler, 3/4" NPT with maximum working pressure of 175 psi</b>	<b>8.0K</b>	<b>135°F, 155°F, 175°F, 200°F, 286°F and 360°F</b>	<b>Stainless steel</b>
<b>TY8181</b>	<b>Upright, quick response, 3mm bulb-type, corrosion-resistant sprinkler, 1/2" NPT with maximum working pressure of 175 psi</b>	<b>5.6K</b>	<b>135°F, 155°F, 175°F, 200°F and 286°F</b>	<b>Stainless steel</b>
<b>TY8281</b>	<b>Pendent, quick response 3mm bulb-type, corrosion-resistant sprinkler, 1/2" NPT with maximum working pressure of 175 psi</b>	<b>5.6K</b>	<b>135°F, 155°F, 175°F, 200°F and 286°F</b>	<b>Stainless steel</b>
<b>TY9181</b>	<b>Upright, quick response, 3mm bulb-type, corrosion-resistant sprinkler, 3/4" NPT with maximum working pressure of 175 psi</b>	<b>8.0K</b>	<b>135°F, 155°F, 175°F, 200°F and 286°F</b>	<b>Stainless steel</b>
<b>TY9281</b>	<b>Pendent, quick response 3mm bulb-type, corrosion-resistant sprinkler, 3/4" NPT with maximum working pressure of 175 psi</b>	<b>8.0K</b>	<b>135°F, 155°F, 175°F, 200°F and 286°F</b>	<b>Stainless steel</b>

Pursuant to "Promulgation of the Rules relating to Material and Equipment Application Procedures" dated November 5, 1992, the Bureau of Fire Prevention has no objections Letter dated July 30, 2007, F.P. Index #0707018.

**Terms and Conditions:** The above units are accepted on condition that:

1. Installation shall comply with all applicable New York City codes, rules, regulations and testing requirements, in particular with the requirements of Subchapter 17 and RS 17-2, RS 17-2A and RS 17-2B of the Administrative Code, and the NFPA Code 13, 13R and 13D.
2. Underwriters Laboratories, Inc.'s listing requirements and limitations shall be adhered to.
3. Manufacturer's installation, maintenance procedures and limitations shall be complied with.
4. The sprinklers shall be used in wet sprinkler installations only.
5. All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and accepted for use, as provided in Section 27-131 of the New York City Building Code.

Final Acceptance

December 6, 2007

Examined By

Donald [Signature]