



NYC Department of Buildings  
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 Patricia Lancaster, FAIA, Commissioner  
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## Report of Materials and Equipment Acceptance Division

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 218-03-E Vol.2

**Manufacturer:** Rafael Valves Industries (1975) LTD. N Industrial Zone, P. O. Box 555, Or-Aqiva, Israel, 30600

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

**Product:** Deluge Valve

**Pertinent Code Section(s):** RS 17-6A

**Prescribed Test(s):** RS 17-6A (UL260)

**Laboratory:** Underwriters Laboratories, Inc.

**Test Report(s):** UL File Ex6404, Project No. 02NK38616, 03CA09340, 03NK25187 and 03NK34306, Issued April 25, 2003, Revised March 9, 2005 and Ex6021, Project No. 03CA09340, Issued September 18, 2003. UL letters dates August 2, 2005 and November 7, 2005.

**Description:** Deluge Valve for use in Fire Suppression Systems

Model	Type	Sizes	Description	Installation Position	Rated Pressure (psig/kPa)
DV-5	Single and Double Interlock Deluge & Preaction	8 inch	Flange/Flange Flange/Groove Groove/Groove Deluge Valve for Operation by Wet or Dry Pilot Line Sprinklers with Electrical Actuation and Preaction Systems for Operation by Wet or Dry Pilot Line Sprinklers with Electric, Electric/ Pneumatic and Electric/ Electric Actuation	Horizontal or Vertical	250/1730

DV-5	Single and Double Interlock Deluge & Preaction	1-1/2, 2, and 3 inch	Flange/Flange Flange/Groove Groove/Groove Deluge Valve for Operation by Wet or Dry Pilot Line Sprinklers with Electrical Actuation and Preaction Systems for Operation by Wet or Dry Pilot Line Sprinklers with Electric, Electric/Pneumatic and Electric/Electric Actuation	Horizontal or Vertical	250/1730
DV-5	Preaction	4 and 6 inch	Preaction Systems for Operation by Wet or Dry Pilot Line Sprinklers with Electric, Electric/Pneumatic and Electric/ Electric Actuation	Horizontal or Vertical	250/1730

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 November 29, 2005, F.P. Index No. 0508023.

**Terms and Conditions:** That the above valves be accepted on condition that:

1. That all uses and installation shall comply with the applicable New York City Building Code, rules, regulations, and testing requirements and in particular with the requirements of Subchapter 17, RS 17-2, RS 17-3 and RS 17-5 of the Administrative Code.
2. The rated pressure of the valves shall be 250 psig.
3. The preaction valves shall be used only in the vertical position and only in conjunction with a riser check valve.
4. Installation of an interlocked preaction system operating as double interlock shall be allowed only for applications such as refrigerated rooms provided that the Engineer of Record confirms that water released from the sprinkler system may freeze in the piping, prior to the sprinkler heads activating.

Interlocked preaction systems using electrically operated fire detectors, shall be provided with at least two detectors installed in a single zone in the protected area, to ensure proper operation even if a detector is faulty.

Electrically operated fire detectors for double interlocked preaction system shall not be cross-zoned.

5. Installation of a Deluge or preaction system to operate as single interlock shall be subject to compliance with the limitations of Electrical Unit Information Bulletin 1-92 including the requirement that prohibits the cross-zoning of preaction system's electrically operated Fire Detectors. Cross-zoning shall be permitted only when such a system is installed with a clean-agent or similar gas suppression system as the primary suppression system (first line of defense) with the deluge or preaction system being the secondary or supplemental system.
6. Installation of all the above referenced models shall be in compliance with Underwriters Laboratories Inc. listing requirements and limitations.
7. Installation of all the above referenced models shall be in compliance with the manufacturer's recommendations, maintenance procedures and limitations.

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 acceptable for use, as provided in Section 27-131 of the Building Code.

Final Acceptance July 10, 2006  
Examined By Donald [Signature]