



# 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 223-07-E

**Manufacturer:** Kouzhen Foundry Corp., Kouzhen, Laiwu, Shandong, 271114 CHINA

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

**Product:** Check valves

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

**Prescribed Test(s):** UL 193, UL 312

**Laboratory:** Underwriters Laboratories, Inc.

**Test Report(s):** UL File Ex6872, Project Nos. 87NK15531/Ex30, 89NK28073/Ex30, 94NK40624/Ex30, 95NK19342/Ex30, 98NK2,98BA522574/Ex30, 03NK21643/Ex30, 04CA17894, 05CA31266, issued December 1, 2004 and revised November 11, 2005.

UL File Ex6218, Project Nos. 05NK30522 and 06NK13803, issued August 26, 2006.

**Description:** Alarm and swing check valves for use in fire suppression systems.

Model	Description	Size	Rated Pressure
AV-1-300	Alarm check valve, groove x groove and flange x groove (2½" thru 8"), flange x flange (4" thru 8") for end connections, vertical or horizontal installation	2½" – 8"	300 psig

Model	Description	Size	Rated Pressure
CV-1F	Swing check valve, grooved ends, sizes 2½" thru 10", vertical or horizontal installation.	2½" – 10"	300 psig
CV-1FR	Swing check valve, riser-type, grooved ends, sizes 2½" thru 8", vertical or horizontal installation.	2½" – 8"	300 psig

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 16, 2007, F.P. Index #0706066.

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

1. Installation shall comply with all applicable New York City Building Code, in particular with the requirements of Subchapter 17 and Reference Standards RS 17-1, 17-2, 17-2A and 17-2B of the Administrative Code, and the referenced NFPA standards.
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 Swing Check valve, Models CV-1F and CV-1FR, shall perform regular check valve duties and **not** function as an alarm check valve in sprinkler installations. In accordance with NYC Building Code, spring-loaded check valves may be installed only in the vertical position on the discharge side of fire pumps and tank connections.
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 acceptable for use, as provided in Section 27-131 of the New York City Building Code.

Final Acceptance July 31, 2007  
Examined By Donald [Signature]