



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

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 60-05-E

Manufacturer: Kofulso Co., Ltd., 377-8 Gumgog Dong Seo Gu, Seogu Incheon, Korea 404330. Phone: 82-32-565-775.

Trade Name(s): Midland Metals (Steel), 925 Livingston Court, Barrington, IL 60010 and Aqua Flex AF USA, 503 Industrial Drive, Bensenville, IL 60106. Phone: 800-514-3539.

Product: Flexible corrugated Sprinkler Hose Fittings (Drops).

Pertinent Code Section(s): Subchapter 17 and Reference Standard RS 17-2.

Prescribed Test(s): UL Standard 1474 and UL Standard 199.

Laboratory: Underwriters Laboratories, Inc., 333 Pfingsten Road, Northbrook, IL 60062. Phone: 847-272-8800

Test Report(s): Report File Ex6276, Project 01NK52228, dated January 2, 2003.

Description – This product is an adjustable drop nipple, used to arm over from the sprinkler branch line to the sprinkler head location. This product is to be installed between main water pipe or branch line and sprinkler head in a sprinkler system, the flexible sprinkler drop (main nipple) is attached to branch line, a middle bracket, and bar with two end brackets accompany the flexible sprinkler drop, the middle bracket holds the reducer nipple which is attached to the bar, the two end brackets are to be attached (anchor the Aqua Flex flexible hose) directly to the building structure, per our instruction brochure. This product is to be installed in accordance with 13, 13R, 13D, and meet and comply with location authority codes and Fire Department Directives, New York City Fire Department, New York City Department of Buildings codes, and the manufacturer's instructions.

All model numbers have passed and met the compliance of the UL Code 1474 and UL Code 199 testing requirements intended to be installed in accordance with the National Fire Protection Association Standard for the Installation of Sprinkler Systems. Please see UL Report File Ex6276 and required MEA-2 form.

Kofulso Co. Ltd. Model No.	Midland Steel Co./ AquaFlex Model No.	Description	Threaded Outlet Size
KF-SP-01A	AF31H	31" Flexible Sprinkler Hose (Drop)	½" Nipple
KF-SP-01AB	AF31T	31" Flexible Sprinkler Hose (Drop)	¾" Nipple
KF-SP-02A	AF48H	48" Flexible Sprinkler Hose (Drop)	½ " Nipple
KF-SP-02AB	AF48T	48" Flexible Sprinkler Hose (Drop)	¾ " Nipple
KF-SP-03A	AF60H	60" Flexible Sprinkler Hose (Drop)	½" Nipple
KF-SP-03AB	AF60T	60" Flexible Sprinkler Hose (Drop)	¾ " Nipple

Pursuant to "Promulgation of the Rules relating to Materials and Equipment Application Procedures" dated November 5, 1992, the Bureau of Fire Prevention has no objections letter dated July 15, 2005, F.P. Index No. 0505013A.

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

1. The above referenced products are to be used in sprinkler installations as an adjustable drop nipple only. These flexible hose sprinkler fittings are not approved to be used as a substitute for a pipe nor to be connected end to end to create extended lengths.
2. The end of the flexible hose to which the sprinkler is attached shall be rigidly fixed to the building structure. Maximum length of flexible hose is limited to six feet.
3. Installation shall comply with all applicable New York City codes, rules, regulations and testing requirements and in particular with the requirements of Subchapter 17 and RS 17-2 of the Administrative Code.
4. The condition of approval shall be enumerated in the installation manuals and sales brochures that will be provided to all New York City buyers, users, and installers.
5. UL listing requirements and limitations shall be complied with. The installation manual shall clearly indicate the equivalent length for the various models and the number of bends permitted on each model.
6. Manufacturer's installation, maintenance and limitations shall be complied with.

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 for in Section 27-131 of the Building Code.

Final Acceptance November 3, 2005

Examined by Donald Gottfried (SD)