

CITY OF NEW YORK  
DEPARTMENT OF BUILDINGS

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of the Material and Equipment Acceptance (MEA) Division.

Ronny A. Livian, P.E., Acting Commissioner  
MEA 57-02-E

Report of Material and Equipment Acceptance Division

Manufacturer – Kidde Fire Fighting, Powhatan, P.O. Box 400, West 2<sup>nd</sup> Avenue, Ranson, WV 25438.

Trade Name – Powhatan.

Product(s) – Automatic Sprinkler, Kidde Fire Fighting.

Pertinent Code Section(s) – Reference Standard RS 17.

Test(s) - UL 405, and FM Class 1521 (UL668).

Laboratory – Underwriters Laboratories Inc. and Factory Mutual Research Corp.

Test Reports– UL File Ex1836, Project 00NK22585 dated June 26, 2001, and F.M. Report Project ID3004980 Class 151 dated August 23, 2001.

Description – The Powhatan Model No. 23-393 is a concealed type Fire Department double clapper siamese, angle body is cast brass, is rated at 250-PSI working pressure and is UL listed. The unique design of clappers with a perpendicular trunion allows on body to be installed for top of bottom connections. Application used in both dry and wet interior fire protection systems. Connections can also be used in automatic sprinklers or standpipe systems, which requires supplemental water to be supplied through the connections, and then a body with clappers must be specified. The clappers insure that if one of the servicing hoses bursts, the flow of water will not be interrupted. The clappers also allow for a single hose connection from the fire department pumper.

Model No. 18-457-5000 and 18-458-5000 are 2-1/2" 500 psi, hose angle valves.

The "Powhatan" hose angle valves are designed for use in piping systems where it is necessary to access the system for a fire hose connection. Typical applications are in fire department connections, gravity and pressure tank connections, and public water supplies to sprinkler and standpipe systems.

The Model 18-457-5000 female Inlet x Male Outlet, NPT inlet only, Model 18-458-5000 Female Inlet x Female Outlet, NPT inlet only. Valve is made in 2-1/2" pipe size for both horizontal and vertical installation.

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 February 5, 2002, F.P. Index No. 0201025A.

Recommendation - That the above units, be accepted on condition that all uses, locations, and installations comply with the New York City Building Code, specifically Subchapter 17, and with the Reference Standard RS 17, inclusive as applicable including the NFPA as appropriate, and on further condition that:

1. Installation shall comply with all applicable New York City code, rules, regulations, and testing requirements in particular with the requirements of Subchapter 17 and RS 17-2 of the Administrative Code.
2. Factory Mutual Research's listing requirements and limitations of the angle hose valves shall be adhered to.
3. Underwriters Laboratories Inc.'s listing requirements and limitations of the siamese shall be adhered to.
4. The following are acceptable for use on siamese connection and stand rise caps:

**Standpipe Risers:**

Threaded 2-1/2" Cast Iron Cap with chain  
Threaded 2-1/2" Brass Cap with chain

**Siamese Connections:**

Cast Iron 3" "Breakaway" Cover  
Threaded 3" Cast Iron Plug with chain  
Threaded 3" Brass Plug with chain

The 2-1/2" and 3" threads shall be compatible with New York City Fire Department threads.

Aluminum and plastic caps are not acceptable for use on standpipe risers or siamese connections.

5. Manufacturer's use, maintenance procedures 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 those tested and accepted for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance March 5, 2002

Examined By Mark Jacobowitz