



## 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 54-07-E

**Manufacturer:** Dixon Valve & Coupling Co., 130-8 Imboden Drive,  
Winchester, VA 22603

**Trade Name(s):** Powhatan

**Product:** Angle and pressure-reducing valves

**Pertinent Code Section(s):** Subchapter 17, RS 17-1 & RS 17-2

**Prescribed Test(s):** FMRC Approval Standards Class No. 1521, 1530 &  
UL 1468

**Laboratory:** Factory Mutual Research Corporation &  
Underwriters Laboratories, Inc.

**Test Report(s):** Factory Mutual Project ID 3004980, issued August  
23, 2001. Factory Mutual Project ID 3029005,  
issued January 25, 2007. UL file Ex2041, Project  
86NK5837, issued July 27, 1987.

**Description:** The "Powhatan" 500-psi Hose Angle Valve, models 18-157 & 18-158, 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 18-157 valve has a NPT threaded female inlet with male hose thread outlet. The model 18-158 has female NPT threaded inlets and outlets. Such valves utilize a 2-1/2" pipe size for both horizontal and vertical installation.

Models 18-157 & 18-158 are 2½" 500psi hose angle valves.

The "Powhatan" models 21-132, and 21-133 are double clapper Siamese Fire Department Connections at sizes 4" x 3" x 3".

The "Powhatan" Pow-R-Matic Pressure Reducing Valves, models 18-457; 18-458 & 18-459, are UL Listed automatic pressure reducing valves and automatic check valves for dual riser systems. These valves are designed and UL Listed for use in standpipe service and as a floor or zone control valve in sprinkler systems.

The "Powhatan" models 18-153 and 18-154 pressure valves restrict inlet pressures from 70-psi up to 175-psi down to outlet pressures of 63, 80, or 100-psi. These valves restrict pressure under flow conditions only.

Model 18-153 features a female NPT inlet and male thread outlet. The model 18-154 has a double female configuration with NPT threads only.

The model 18-255 2½" pressure restricting valves are intended for installation on a Class 1 or Class III standpipe system hose outlet.

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, April 9, 2007, F.P. Index #0702023A.

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

1. The manufacturer's design and installation instructions shall include details of the pressures for which they are rated, a description of the performance characteristics for both flow and static conditions as applicable and operating ranges as listed by the testing laboratory.
2. The products are accepted for fire system use in accordance with the testing laboratories listing requirements and conditions.
3. All uses, locations and installations shall comply with the New York City Building Code, specifically Subchapter 17 and Reference Standard RS 17.
4. All shipment 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 for in Section 27-131 of the NYC Building Code.

Final Acceptance June 13, 2007.  
Examined by Donald [Signature]