



## Report of Materials and Equipment Acceptance Division

NYC Department of Buildings  
280 Broadway, New York, NY 10007  
Patricia Lancaster, FAIA, Commissioner  
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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 170-02-M Vol. II

**Manufacturer:** Wilkins Regulators Division, 1747 Commerce Way, Paso Robles, CA 93446.

**Trade Name(s):** Wilkins.

**Product:** Reduced pressure principal detector, backflow prevention assemblies.

**Pertinent Code Section(s):** P107.13 and P107.18 of Reference Standard RS 16.

**Prescribed Test(s):** RS 16 (ASSE No. 1047).

**Laboratory:** University of Southern California, Foundation for Cross Connection Control and Hydraulic Research.

**Test Report(s):** Report 2002-012,13 dated April 1, 2002 and 2002-014 dated April 20, 2002 and ASSE # 768 dated January 28, 2002 and Report No. 2005-018, 014 dated August 19, 2005.

**Description:** Reduced Pressure Principal Detector Backflow Prevention Assembly, Model 475DA & 475DAV. Designed to protect against backflow by backpressure and/or backsiphonage from a cross-connection wherein a pollutant hazard exists in fire sprinkler systems. Basic design is comprised of two independently operated spring loaded check valves set in an integral epoxy coated cast iron body. The differential pressure relief valve is located between the first and the second check and the water meter shall register accuracy for the flow rates up to 3 GPM. Sizes include 4", 6" & 8". Units are suitable for operation at 175 psi (maximum) and 33 to 140 degrees Fahrenheit. The 475DA unit is designed for horizontal orientation and the 475DAV for vertical orientation.

Option-Suffix (options can be combined)

- G -with grooved by flanged OS&Y gated valves
- FG -with flanged inlet gate connection and grooved outlet gate connection
- FS -with flanged cast iron wye type strainer
- FSC -with flanged epoxy coated wye type strainer
- L -with less shut-off valves
- LM -less water meter
- V -vertical flow up orientation
- GF -with grooved inlet gate connection and flanged outlet gate connection

Option-Suffix (options can be combined)

- MS -with integral relief valve monitor switch
- PI -with post indicator
- BGVIC -with grooved end butterfly valves

**Terms and Conditions:** That the above backflow prevention assemblies be accepted for use when installed in conformance with Reference Standard RS-16. All shipments and deliveries of such materials shall be accompanied by a metal tag certifying that the assembly shipped or delivered is equivalent to that tested and acceptable for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance December 20, 2005  
Examined By Sjur Derkhdam