

# ICC-ES Evaluation Report

**ESR-1514**

Reissued August 1, 2011

*This report is subject to renewal in two years.*[www.icc-es.org](http://www.icc-es.org) | (800) 423-6587 | (562) 699-0543

A Subsidiary of the International Code Council®

**DIVISION: 22 00 00—PLUMBING****Section: 22 13 16—Sanitary Waste and Vent Piping****REPORT HOLDER:****THE RECTORSEAL CORPORATION**2601 SPENWICK DRIVE  
HOUSTON, TEXAS 77055  
713-263-8001[www.rectorseal.com](http://www.rectorseal.com)**EVALUATION SUBJECT:****HUBSETT™ IN-LINE TEST COUPLINGS****1.0 EVALUATION SCOPE****Compliance with the following codes:**

- 2009 *International Plumbing Code*® (IPC)
- 2009 *International Residential Code*® (IRC)

**Properties evaluated:**

- Physical properties
- Plastic piping system components

**2.0 USES**

Rectorseal's® Hubsett™ is an in-line test coupling for pressure testing 3-inch (76.2 mm) and 4-inch (101.6 mm) ABS or PVC branch lines and main building drain-waste-vent (DWV) systems.

**3.0 DESCRIPTION****3.1 General:**

Hubsett™ is an in-line test coupling that includes a removable dome to block flow. Upon completion of the pressure test, a cord attached to the dome is pulled to unseat the dome and remove it through a cleanout. Normal flow is then established.

**3.2 Sizes:**

The Hubsett™ in-line test couplings are available in 3-inch (76.2 mm) ABS (product codes: horizontal 97050), 4-inch (101.6 mm) ABS (product codes: horizontal 97052), 3-inch (76.2 mm) PVC (product codes: horizontal 97051), 4-inch (101.6 mm) PVC (product codes: horizontal 97053), and 4-inch (101.6 mm) PVC Hub x Spigot (product code: horizontal 97063).

**3.3 Material:**

The PVC material used in the coupling satisfies NSF 14 and the dimensions, tolerances, and marking requirements of ASTM D 2665. The incoming material must be in

accordance with ASTM D 4396. The ABS material used in the coupling satisfies NSF 14 and the dimensions, tolerances, and marking requirements of ASTM D 2661. The incoming material must be in accordance with ASTM D 3965. The removable dome is made of black plastic for the 3-inch (76.2 mm) size and blue plastic for the 4-inch (101.6 mm) size.

**4.0 INSTALLATION**

Installation must be in accordance with this report, the manufacturer's published installation instructions and the applicable code. Copies of the instructions and this report must be available at all times on the jobsite during installation.

**5.0 CONDITIONS OF USE**

The Hubsett™ in-line test couplings described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1** This evaluation report and the installation instructions must be available at all times on the jobsite during installation and testing.
- 5.2** In pressure tests using Hubsett™ in-line test couplings, the pressure must not exceed 15.0 psi (103.4 kPa) on the dome.
- 5.3** Where using Hubsett™ in-line test couplings, cleanouts must be placed immediately adjacent to and upstream of the dome to allow removal and access to the string and removal of the dome upon completion of the test.
- 5.4** Hubsett™ in-line test couplings are manufactured in locations as noted in the approved quality control manual, under a quality control program with inspections by Columbia Research & Testing (CRT) Corporation (AA-527).

**6.0 EVIDENCE SUBMITTED**

- 6.1** Manufacturer's descriptive literature.
- 6.2** Reports of testing in accordance with ASTM D 2661-06 and ASTM D 2665-07.
- 6.3** Quality control manuals.

**7.0 IDENTIFICATION**

The Hubsett™ in-line test couplings must each be marked with the company name (RectorSeal®); the designation ASTM D 2661 or ASTM D 2665; the designation NSF 14; the nominal pipe size; the designation PVC or ABS; the designation DWV; the evaluation report number (ESR-1514); and the name or logo of the inspection agency (CRT Corp., AA-527).