

**ASSE Standard #1020-2004**  
**Performance Requirements for Pressure Vacuum Breaker Assembly**

**Errata Sheet**  
**Issued: April 9, 2004**

**3.7.2.5** The following tests shall be repeated to obtain five (5) successive measurements under each set of conditions:

- a. Instantly apply a constant vacuum of at least 25.0 inches of Hg (84.4 kPa) for a period of at least thirty (30) seconds
- b. Instantaneously apply intermittent vacuums of 3.0 inches Hg, 5.0 inches Hg, 10.0 inches Hg, 15.0 inches Hg, and 25.0 inches Hg (10.1 kPa, 16.9 kPa, 33.8 kPa, 50.7 kPa, and 84.4 kPa). Each application shall be for five (5) seconds on and five (5) seconds off.
- c. First, slowly apply a vacuum increasing at a uniform rate from 0 inches of Hg to 25.0 inches of Hg (0 kPa to 84.4 kPa). Second, slowly apply a vacuum decreasing at a uniform rate from 25.0 inches of Hg to 0 inches of Hg (84.4 kPa to 0 kPa).

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**Issued: July 19, 2004**

**3.6.2.1** Install the device (Figure 4) in the normal operating position with the check or moving member held fully open and the air valve held closed. Connect the outlet of the device by means of 12.0 inch (304.8 mm) length of the same size or larger size pipe to a quick opening valve of the same size or larger which in turn is connected to a vacuum tank capable of providing at least a ten (10) second air flow. With the inlet open, connect a 12.0 inch (304.8 mm) reamed nipple, of corresponding size to the device, to the inlet of the device. Dissipate the vacuum in the tank from 280.0 inches of Hg to 60.0 inches Hg (84.0 kPa to 18.0 kPa) 25.0 inches of Hg to 5 inches (84.4 kPa to 16.9 kPa) through the check valve orifice by operating the quick opening valve [fully open in less than one (1) second]. Record the time it takes to dissipate the vacuum.

**3.6.2.2** With the outlet still connected to the vacuum tank and the check held in a closed position, hold the air valve open and dissipate the vacuum in the tank from 280.0 inches of Hg to 60.0 inches Hg (84.0 kPa to 18.0 kPa) 25.0 inches of Hg to 5 inches (84.4 kPa to 16.9 kPa) in the same manner through the air port or ports. Record the time it takes to dissipate the vacuum.