

Trap Guard Insert Specification

Reference Standards

Alternative materials, methods and equipment. The provisions of this code are not intended to prevent the installation of any material or to prohibit any method of construction not specifically prescribed by this code, provided that any such alternative has been approved. An alternative material or method of construction shall be approved where the code official finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety.

2006 International Plumbing Code Sec. 105.2 Sec. 1002.4 Trap Seals

2006 International Residential Code Sec. R104.1.1 Sec. P3201 Trap Seals

2006 Uniform Plumbing Code Sec. 301.2 Sec. Sanitary Drainage

NSF 14 Plastic Piping System Components & Related Materials

CAN/CSA B602-06 Elastomeric Mechanical Couplings for DWV Pipe

BASIC INFORMATION

Product Description: An Elastomeric, Normally Closed Trap Guard Device utilizes a normally closed seal to prevent evaporation of the trap seal and also protect against sewer gases from backing up into habitable areas. It opens with fluid and allows liquid drainage to flow through into the building drain.

Installation Instructions: Product shall be installed in accordance with the manufacturer's instructions and the requirements of the applicable codes.

Device can be installed inside other manufacturer's drain tail pieces or optionally inside 2", 3" or 4" pipe that connects the various types of floor or hub drains.

If a T&P relief valve is discharged into the Trap Guard device, it must be discharged into the center opening of the device. A strainer with a center hole is available for that purpose.

Product Identification: The Trap Guard device package shall be legibly marked or labeled with the Trap Guard name, trade mark and model number.

Maintenance Instructions: The device should be inspected periodically for build up of any debris and be flushed out thoroughly with clear warm water.

TEST METHODS AND PERFORMANCE REQUIREMENTS: The elastomeric membrane material shall be tested according to the **CAN/CSA B602** standard requirements of sections 4.1.2, 4.1.3, 4.1.5, 4.1.6, 4.1.8, 4.1.10 & 4.1.11.

Pressure testing shall be performed to determine the back pressure of the device to hold back compressed air from 5.2 PSF and then increased to 10.4 PSF with no leakage.

Testing shall be performed to verify that a plumbing snake can be effectively used with the Trap Guard device installed. For a typical 4" diameter floor drain, a 1-1/2" PVC pipe shall be inserted the entire length of the device with lubrication to provide an adequate pathway for a plumbing snake.

Testing shall be performed to determine the maximum water flow the device could accommodate using an electric sump pump and a portable water reservoir. The pump discharge shall be into the Trap Guard device installed into a simulated drain assembly. Test acceptance is 30 GPM.

SUBMITTALS:

Submit manufacturer's product data, including installation and maintenance instructions.

Submit manufacturer's applicable shop drawings

DELIVERY, STORAGE, AND HANDLING:

Deliver the Trap Guards to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer's instructions.

Protect the elastomeric device materials from being touched with solvent cement or primers during installation.

Protect material from being distorted or damaged during storage, handling and installation.

MANUFACTURER:

ProVent Systems, Inc., 1355 Capital Circle, Lawrenceville, Georgia 30043.
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Website www.trapguard.com

END OF SECTION

