

Date of Authorization  
BMEC Authorization  
BMEC Application

October 30, 2003  
BMEC #03-10-289  
#A2003-14

BMEC Application  
Date of Amendment  
\* Denoted October 27, 2005 Amendment  
Date of Amendment (update company name)

A2005-20  
October 27, 2005  
January 31, 2013

### **AUTHORIZATION REPORT: Trap Guard™ Valve**

#### **1. Applicant**

ProVent Systems, Inc.  
1355 Capital Circle  
Lawrenceville, Georgia  
30043, USA

Tel: (770) 339 -1782  
Fax: (770) 339 -1784  
Web: [www.trapguard.com](http://www.trapguard.com)

#### **2. Manufacturing Facilities**

ProVent Systems, Inc.  
1355 Capital Circle  
Lawrenceville, Georgia  
30043, USA

ProVent Systems, Inc.  
519 Honeysuckle Road  
Spartanburg, South Carolina  
29303, USA

#### **3. Description**

The ProVent Systems, Inc. Trap Guard™ Valve is made of a soft, flexible elastomeric PVC material molded to a ridge PVC fitting in the shape of a duck's bill, open at the top with a special curl closure at the bottom.

The Trap Guard™ Valve is used inside of an approved floor drain fixture. The smooth flexible Trap Guard™ Valve surface allows wastewater to open and adequately discharge the fixture through its interior and close after the wastewater discharges to prevent possible sewer gas emissions.

#### **4. Authorization requested**

The applicant sought a Building Materials Evaluation Commission (BMEC) authorization for the Trap Guard™ Valve as an equally effective means of providing a trap seal primer, with limitations, equivalent to the requirements of 1997 Ontario Building Code, Sentence 7.4.5.5.(1).

#### **5. Assessment**

Reports and assessments provided by the applicant show that if the Trap Guard™ Valve is designed, performance tested and installed in accordance with the manufacturer's instructions and limitations and the specific terms and conditions stated in this authorization, the level of performance required by the 1997 Ontario Building Code will be provided.

The reports submitted, and reviewed, but were not limited to:

1. Southern Building Code Congress International, Report Number 2218, copyrighted 2002.
2. Curney & Ivey Engineering Inc. Test Report, January 19, 2002, Subject Engineering Report 22007, Testing of Trap Guard.”
3. Intertek Testing Services, Issued January 31, 2003, Revised March 26, 2003, Listing Report Number 478-3031903-01/03 “ A Model “ Proset Systems, Inc. Trap Guard™ Floor Drain.”
4. Installation Instructions.
5. Letter of Approval, City of Philadelphia, July 3, 2003.
6. Letter of Approval, City of Winnipeg, July 21, 2003.
- \* 7. Forest Mechanical Inc., Engineer’s letter, dated August 18, 2005.

#### **6. Authorization**

The Trap Guard™ Valve is authorized for use as an equally effective means of providing a trap seal primer, all other requirements pertaining to the installation are subject to the requirements of the 1997 Ontario Building Code; and subject to the following terms and conditions:

**A. Specific Terms & Conditions**

1. This Authorization is valid only for ProVent Systems, Inc. Trap Guard™ Valve, for 2", 3" and 4" diameter floor drain sizes.
2. The ProVent Systems, Inc. Trap Guard™ Valve shall be installed flush with the finished floor.
3. If a ProVent Systems, Inc. Trap Guard™ Valve is installed, then it shall not reduce the flow through a pipe by more than 10 percent.
4. The strainer which covers the ProVent Systems, Inc. Trap Guard™ Valve shall have the following label "Trap Guard™ Protection Inside"; the label shall be:
  - a. permanently attached,
  - b. waterproof,
  - c. adhered in a manner that it does not obstruct the strainer's flow, and
  - d. installed on a contrasting background.
5. The ProVent Systems, Inc. Trap Guard™ Valve shall be accessible by removing the strainer top.
6. The ProVent Systems, Inc. Trap Guard™ Valve shall not be installed in systems where the water temperature discharge is greater than 93.3<sup>0</sup> C (200<sup>0</sup> F) or higher.
7. The ProVent Systems, Inc. Trap Guard™ Valve may be installed in a floor drain system that complies with CSA B 79, or floor drains installed in conformance with the Building Code.
8. The ProVent Systems, Inc. Trap Guard™ Valve shall not be installed where the discharge sewage or waste may damage or impair the fitting.

**B. General Conditions**

1. The use of the ProVent Systems, Inc. Trap Guard™ Valve as described in 6. A. Specific Terms and Conditions No. 1. must comply with the *Building Code Act, 1992* as amended or re-enacted from time to time and except as specifically

authorized herein, with the Ontario Building Code as amended or remade from time to time.

2. A copy of this Authorization shall accompany each application for a building permit and shall be maintained on the site of the construction with the building permit.
3. The Applicant named in Part 1 hereof shall promptly notify the BMEC of:
  - (a) the failure of the Applicant, or of the material, system or building design that is the subject matter of this Authorization, to comply with any of the terms and conditions set out in 6. A. above; or
  - (b) the occurrence of any of the events described in Conditions 6. B. 4. (a) and (b) (ii) below.
4. The BMEC may amend or revoke this Authorization where it determines that:
  - (a) any change has been made to:
    - i. the material, system or building design that is the subject matter of this Authorization;
    - ii. the address of the applicant specified in Part 1 of this Authorization; or,
    - iii. the ownership of the applicant specified in Part 1 of this Authorization.
  - (b) the use of the material, system or building design authorized herein;
    - i. does not comply with the *Building Code Act, 1992* or any relevant legislation as they may be amended or re-enacted from time to time; or
    - ii. provides an unsatisfactory level of performance, in situ.
  - (c) the Applicant, or the material, system or building design that is the subject matter of this Authorization, has failed to comply with any of the terms and conditions set out in this Authorization; or
  - (d) any Ontario Building Code provision relevant to this Authorization has been amended or remade.

5. Where the Commission receives additional information concerning the material, system or building design authorized herein, the Commission may review this Authorization and the Commission may after the review amend or revoke this Authorization as in the opinion of the Commission may be necessary.

Dated at Toronto this 27 day of October 2005.

**BUILDING MATERIALS EVALUATION COMMISSION**

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Edward Link, Vice-Chair