



**Precision Plumbing Products**

*"Specify with Confidence - Install with Pride"*

**SPECIFICATIONS & INSTALLATION INSTRUCTIONS**

**Surge-Vent : Air Admittance Valve**

~ Connection Size: 1 1/2" - 2" ~ Model #: STV Redi Mini

**USAGE:**

An air admittance valve shall be acceptable as a vent termination for any individual vent, common vent, circuit vent, loop vent, island fixture vent, vent stack or stack vent that is provided to prevent siphonage of a fixture trap. An air admittance valve can be used as an alternative to extending a vent through the roof (or sidewall) to the open atmosphere.

**LOCATION:**

- A. The STV Redi Mini shall be located a minimum of 4" above the horizontal branch drain or fixture drain being vented and a minimum of 6" above the flood level of the highest fixture for stack venting.
- B. Each valve should be installed in an accessible location.

**INSTALLATION:**

The STV Redi Mini comes with a tapered threaded PVC adaptor that allows solvent cementing on 1 1/2" and 2" pipes. Apply thread seal tape to thread on valve before joining. **Do not use pipe dope.** Do not use tools to tighten or loosen. Hand tighten or loosen only.

- A) The valve should be connected to the piping in accordance with the manufacturer's installation instructions.
- B) The valve should be installed in the vertical, upright position after rough in and pressure testing of the DWV system.
- C) A minimum of one vent shall extend to the open atmosphere for every building drainage system.
- D) The valve should not be installed in non-neutralized special (chemical) waste system or in supply and return air plenums.
- E) The valve may be installed on sewer ejectors, if installed according to engineer design and prior local code approval.
- F) For installation in areas with temperature range of 40° and 150°.

**MATERIALS:**

- A - Polystyrene
- B - ABS acrylonitrile butadiene styrene valve w/silicone membrane
- C - PVC adaptor
- ASTM B2665 / D2661

**PERFORMANCE STANDARDS:**

**ANSI/ASSE 1051 A&B - single fixture and branch type AAVs**

**ANSI/ASSE 1050 - stack type AAVs**

International Plumbing Code (IPC)

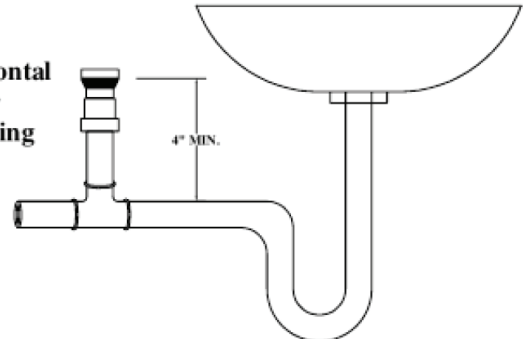
International Residential Code (IRC)

Uniform Plumbing Code (UPC) Section 301.2 Alternative Materials and Methods

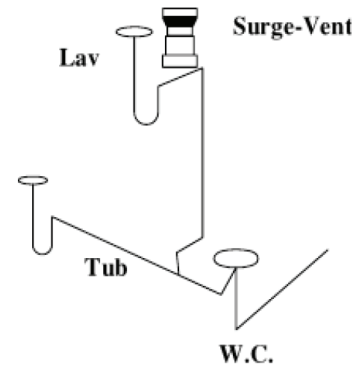
**National Standard Plumbing Code (NSPC) Appendix "E"**



**Minimum of 4" above the horizontal branch drain or fixture drain being vented**



Horizontal Branch Size	Max DFUs
1 1/2"	3
2"	6
Stack Size	Max DFUs
1 1/2"	8
2"	24



**PROJECT SUBMITTAL**

Project: \_\_\_\_\_

Contractor: \_\_\_\_\_

Engineer: \_\_\_\_\_

Date Submitted: \_\_\_\_\_

Prepared By: \_\_\_\_\_



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