



Chem-Vent® Air Admittance Valve

General:

The Chem-Vent® air admittance valve shall be acceptable as a vent terminal for a non-neutralized special waste system to prevent siphonage of the fixture trap.

Location:

- A. The Chem-Vent® must be installed a minimum of 4 inches above the trap arm (horizontal branch drain) as measured from the bottom of the valve seal.
- B. The Chem-Vent® must be installed in an accessible location that permits free movement of air into the valve.

Installation:

- A. Installation shall be in accordance with manufacturer's installation instructions and local code requirements.
- B. The Chem-Vent® must be installed in a vertical position (maximum offset from vertical position is 15°) and after the testing of the drainage system (after rough-in) is complete.
- C. A minimum of one open pipe vent shall extend to the open air for every building plumbing drainage/chemical waste system.
- D. The valve should not be installed in supply and return air plenums.
- E. The Chem-Vent® is rated for either single fixture applications or small group of sinks not to exceed 3 Drainage Fixture Units (DFUs) for 1-1/2" pipe or 6 DFUs for 2-inch pipe.
- F. For installation in chemical waste systems with a temperature range between -40°F and +212°F. Capable of withstanding peak internal flow temperatures up to +212°F.
- G. The Chem-Vent® shall not be used in a single stack waste and vent application and shall only vent fixtures that are on the same floor level and connect to a horizontal branch, unless using a two-stack waste and vent system installed per local code.
- H. The Chem-Vent® can be used to vent sump pumps or tanks when installed in an engineered system and in accordance with the details in the Studor Engineering Products Manual 10th Edition, page 30.

Features & Disclaimers:

- A. Silicone sealing technology designed for chemical waste systems.
- B. Screening on the inside and outside of the valve to protect the sealing assembly from insects and debris.
- C. The Chem-Vent® is an air admittance valve, and as such, does not relieve positive pressure in the line.
- D. WARNING: Studor Chem-Vent® cannot be installed in applications where vented fumes are required to pass through biological and/or chemical filters before being released to the atmosphere.

Materials:

- A. Flame Retardant Polypropylene (conforming to D-4101)
- B. Silicone seal on glass filled nylon stem

Performance Standards:

ASSE 1049 – Performance Requirements for Individual and Branch Type Air Admittance Valves for Chemical Waste Systems

Code Compliance:

- International Plumbing Code (IPC)
- Uniform Plumbing Code (UPC Section 301.2 Alternative Materials and Methods)
- National Standard Plumbing Code (NSPC)—Appendix "E"

Listings:



1-1/2" DWV Pipe

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PRODUCT	DESCRIPTION	MODEL	UNITS/CASE
20345	Chem-Vent Air® Admittance Valve	20345	12