Product Information/Specification Sheet
Studor Tec-Vent (Air Admittance Valve for plumbing ventilation)

Description
The Studor Tec-Vent is an Air Admittance Valve (AAV) designed specifically for commercial applications and industries where flame-retardance is a priority, but is also suitable for residential use. It is manufactured from flame-retardant material with a high tensile strength, providing savings by reducing the need for expensive flame-retardant vent piping.

The Tec-Vent is an accepted alternative to replace all forms of conventional branch and stack venting. With localised active ventilation of the building drainage system, it is proven that the valve provides greater protection to prevent induced and self-siphonage of the fixture traps. The Tec-Vent opens and admits fresh air when the negative (suction) pressure occurs from a fixture discharging into the system. This equalizes the pressure within the system and protects the trap seal. When the flow stops, the Tec-Vent closes by gravity, preventing any transmission of foul air. The Tec-Vent is used as an alternative to extending the vent pipes through the roof or sidewall.

The Tec-Vent is UL classified in the USA in accordance with UL Standard for Safety 2043 - Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces - as to heat release and smoke optical density only (control number 9DA2)*.

* When the system is designed by a design professional and approved by a local code official.

Applications
The Tec-Vent is designed for the most demanding commercial and industrial applications. It is especially suitable for the following areas, amongst others:

- Airports
- Boiler rooms
- Fuel refineries
- Hospitals
- Military buildings
- Schools
- Trade waste applications
- Commercial dishwashers
- Aviation
- Factories
- High rise buildings
- Manufacturing
- Mining
- Ships

Features
- Prevents the release of foul air from the drainage system.
- High tensile strength remains at low and high temperatures.
- UV stabilised - may be exposed to direct sunlight.
- High temperature rating against exothermic reaction in acid waste system.
- Screening on the inside and outside of the Tec-Vent to protect the sealing membrane from foreign objects.
- Ability to divert condensation away from the sealing membrane.
- Available in black.

Installation
- The Tec-Vent should be connected to the piping in accordance with Studor’s installation instructions.
- Refer to your local area regulations for open vent requirements.

Materials
Component | Material
--- | ---
Tec-Vent cap & body | Flame-retardant polycarbonate
Tec-Vent membrane | Synthetic rubber

Dimensions
<table>
<thead>
<tr>
<th>Dimension</th>
<th>Metric (mm)</th>
<th>Imperial (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Ø 70.9</td>
<td>Ø 2 3/4</td>
</tr>
<tr>
<td>B</td>
<td>Ø 67.7</td>
<td>2 1/4</td>
</tr>
<tr>
<td>C</td>
<td>Ø 47.4</td>
<td>Ø 1 7/8</td>
</tr>
</tbody>
</table>

Note: Dimensions for reference only

Performance parameter

- Temperature range: -20°C to +60°C (CE)
- -40°F to +150°F (ASSE)
- Opening pressure: -70 Pa (-0.010 PSI)
- Max. pressure rating tightness: 10,000 Pa (1m/40" H2O) at 0 Pa or higher

Air flow capacity

<table>
<thead>
<tr>
<th>Branch</th>
<th>Stack</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe</td>
<td>7.5 l/s</td>
</tr>
<tr>
<td>AU/NZ</td>
<td>7.5 l/s / 94 FU</td>
</tr>
<tr>
<td>USA</td>
<td>1 to 160 DFU</td>
</tr>
</tbody>
</table>

Warranty
The Studor products have a 10 year warranty period. Visit www.studor.net for full details.

Pipe sizes

<table>
<thead>
<tr>
<th>Europe</th>
<th>AU/NZ</th>
<th>USA</th>
</tr>
</thead>
<tbody>
<tr>
<td>DN 40</td>
<td>DN 40</td>
<td>1 ½</td>
</tr>
</tbody>
</table>

Valve to ventilate drainage systems
Designation: AI
Airflow capacity: 7.5 l/s
Airtightness tested at: 30/500/10000 Pa
Range of temperature: -20°C to +60°C
Effectiveness at temperatures below zero: -20°C
Pipe material in accordance with: EN1329-1, EN1451-1, EN4514, EN12056-1
Pipe DN 40