

# STUDOR<sup>®</sup> TEC-VENT<sup>™</sup>

## Air Admittance Valve for Plumbing Ventilation

### Product Information/Specification Sheet

#### DESCRIPTION

The Studor Tec-Vent is an 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.

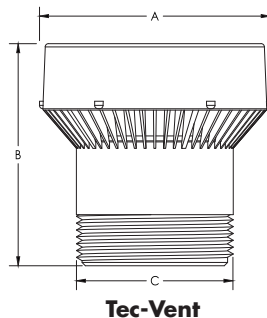
#### APPLICATIONS

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

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

#### 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.

#### WARRANTY

The Studor products have a lifetime warranty - equivalent to that of the drainage system in which they are installed. Visit [www.studor.net](http://www.studor.net) for full details.



#### PIPE SIZES

Europe	AU/NZ	USA
DN 40	DN 40	1 1/2

#### DIMENSIONS

Dimension	Metric (mm)	Imperial (inches)
A	Ø70.9	Ø2 <sup>13</sup> / <sub>16</sub>
B	67.7	2 <sup>11</sup> / <sub>16</sub>
C	Ø47.4	Ø1 <sup>7</sup> / <sub>8</sub>

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" H <sub>2</sub> O) at 0 Pa or higher

Air flow capacity	Branch	Stack
Europe	7.5 l/s	7.5 l/s
AU/NZ	7.5 l/s /94 FU	7.5 l/s /7 FU
USA	1 to 160 DFU	8 to 24 DFU

#### MATERIALS

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

EN 12380	<b>CE</b>	<b>13</b>
Studor Ventech Limited, Millennium House, Victoria Road Douglas, Isle of Man IM2 4RW, British Isles		
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		