

# Product Information/Specification Sheet

## Studor Premi-Aire 50 (Air Admittance Valve for plumbing ventilation)

### Description

The Studor Premi-Aire 50 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 Studor Premi-Aire 50 provides greater protection to prevent induced and self-siphonage of the fixture traps.

The Studor Premi-Aire 50 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 Studor Premi-Aire 50 closes by gravity, preventing any transmission of foul air.

The Studor Premi-Aire 50 is used as an alternative to extending the vent pipes through the roof or sidewall.

### Features

- Screening on the inside and outside of the Studor Premi-Aire 50 to protect the sealing membrane from foreign objects.
- Protective cover for the air intake and additional insulation against extreme temperatures.
- Ability to divert condensation away from the sealing membrane.
- Lifetime warranty to that of the drainage system in which it is installed.

### Installation

- The Studor Premi-Aire 50 should be located
- a minimum of 100 mm (4") above the branch vent pipe.
- The Studor Premi-Aire 50 should be installed in an accessible location.
- The Studor Premi-Aire 50 should be connected to the piping in accordance with the manufacturer's installation instructions.
- The Studor Premi-Aire 50 should be installed in the vertical, upright position after rough-in and pressure testing of the DWV system.
- Studor Premi-Aire 50 may be installed up to 1000 mm below the flood level of the fixture.
- The Premi-Aire 50 should be installed to the design drawings contained within the Studor Technical Manual.

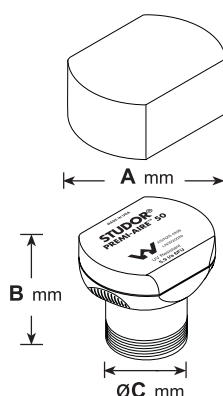
Only where specified by local building regulations, a minimum of one vent pipe must extend to the open atmosphere for every building drainage system.

### Warranty

The Studor products have a "Lifetime of System" warranty. Visit [www.studor.net.au](http://www.studor.net.au).



### The packaging/insulation



### Pipe sizes

AU/NZ
DN 32-50

Using the supplied adaptor

### Dimensions

Dimension	Metric (mm)	Imperial (inches)
A	75	3
B	67	2 5/8
Ø C	40 BSP	1 1/2

Note: Dimensions for reference only

### Performance parameter

<b>Temperature range</b>	-20 to +60°C (-40 to +150°F)
<b>Air flow capacity</b>	7.2 l/s at -250 pa
<b>Opening pressure +/- 20 pa</b>	-70 pa
<b>Max. pressure rating tightness</b>	10,000 pa (1m H <sub>2</sub> O) at 0 pa or higher

### Branch drainage fixture unit

Pipe size (mm) (inches)	AU (FU)
32 (1 1/4")	87
40 (1 1/2")	87
50 (2")	87