

Product Information/Specification Sheet

Studor Premi-Aire 100 (Air Admittance Valve for plumbing ventilation)

Description

The Studor Premi-Aire 100 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 100 provides greater protection to prevent induced and self-siphonage of the fixture traps.

The Studor Premi-Aire 100 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 100 closes by gravity, preventing any transmission of foul air.

The Studor Premi-Aire 100 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 100 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.

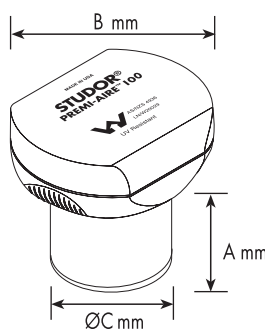
Installation

- The Studor Premi-Aire 100 should be located a minimum of 100mm (4") above the branch vent pipe.
- The Studor Premi-Aire 100 should be installed in an accessible location.
- The Studor Premi-Aire 100 should be connected to the piping in accordance with the manufacturer's installation instructions.
- The Studor Premi-Aire 100 should be installed in the vertical, upright position after rough-in and pressure testing of the DWV system.
- Studor Premi-Aire 100 may be installed up to 1000 mm below the flood level of the fixture.
- Studor Premi-Aire 100 may be installed on the sewer ejector, if installed according to engineer design and in accordance with local building regulations.

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.



Pipe Ø 80-100 mm
push-fit connector

Pipe sizes

AU/NZ
DN 80-100

The Studor Premi-Aire 100 should be installed to the design drawings contained within the Studor Technical Manual.

Dimensions

Dimension	Metric (mm)	Imperial (inches)
A	122.24	4 7/8
B	132.15	5 1/4
Ø C	88.59	3 1/2

Note: Dimensions for reference only

Performance parameter

Temperature range	-20 to +60°C (-40 to +150°F)
Air flow capacity	37.1 l/s at -250 pa
Opening pressure +/- 20 pa	-70 pa
Max. pressure rating tightness	10,000 pa (1m H ₂ O) at 0 pa or higher

Branch drainage fixture unit

Pipe size (mm) (inches)	AU (FU)
80 (3")/100 (4")	2322

Stack drainage fixture unit (FU)

Pipe size (mm) (inches)	AU (FU)
80 (3")/100 (4")	145