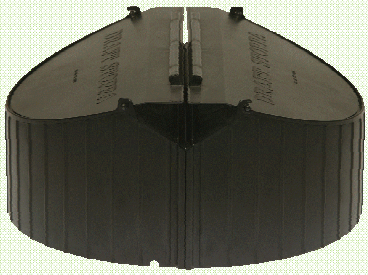
advantec
innovation by design

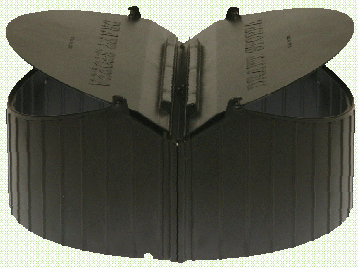
Winner
Product of the Year
HIA GreenSmart AWARDS 2003

DraftStoppa

Self-Seal Casing for Ceiling Exhaust Fans

- The ‘DraftStoppa’ prevents hot or cold air entering from the roof cavity.
- The ‘DraftStoppa’ prevents polluted air or cooking smells from entering into other parts of the home or workplace
- The ‘DraftStoppa’ exceeds the Sustainable Energy Authority Victoria ‘First Rate’ energy rating performance level requirements for a totally self sealing exhaust fan.
- The ‘DraftStoppa’ is economically priced and adapts to most major ceiling exhaust fans.
- The ‘DraftStoppa’ is simple to install and opens and closes effortlessly without loading-up your ceiling exhaust fan motor.
- The ‘DraftStoppa’ fits most standard and 3 in 1 type ceiling exhaust fans.
- The ‘DraftStoppa’ is fully recyclable.





Testing by Complex Air Conditioning Pty Ltd, and reviewed by the Victorian Sustainable Energy Authority, indicates that in areas where ceiling exhaust fans are in use this can give an ***energy saving of up to 30%***

Test results concluded that in Winter conditions with an outside temperature of 1ºC and an average internal room (10m x 4m x 2.7m—volume 108m³ and an ambient internal temperature of 15.5ºC), the cold air inflow from the roof cavity through an unsealed fan into the room was measured at 13 litres / second.

This means that in every hour 46.8m³ of cold air would have entered the room and the total volume of warm air would be replaced every 2 hours and 20 minutes at a huge reheating cost.

The DraftStoppa® contains a patented mechanism incorporating a pair of balanced flaps which open when the fan is on and close under their own weight when it is off, thus keeping out external air, vermin, dust and odours while reducing energy costs.

Standard Installation

1. Place one unassembled half body on a flat surface. *(Figure 1)*
2. Slide the other unassembled half body into the corresponding side slots until they click into place. Ensure that the two central ridge locking pins are clicked together. *(Figure 2)*
3. Fit the two lids by inserting one lid pin into the corresponding closed hole on the body and then pushing the other pin through the corresponding slot to lock. It should now pivot freely.
4. Repeat for the other half.
5. Take the assembled unit into the ceiling space and place it over the top of the ceiling exhaust fan. *(Figure 3)*
6. Place fan power lead in cut-out hole.
7. Test operate the fan and ensure that the flaps operate smoothly.

Figure 1

Figure 2

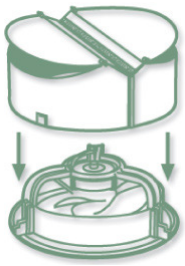


Figure 3

3 in 1 Heat/Light/Fan’ Installation Instructions

SAFETY NOTE: Please Read Carefully

The 'DraftStoppa' is adaptable to "3-in-1 heater, exhaust fan and light ceiling units" that vent directly into the roof cavity. ***It will not work with units that vent directly to an outside opening via a duct.***

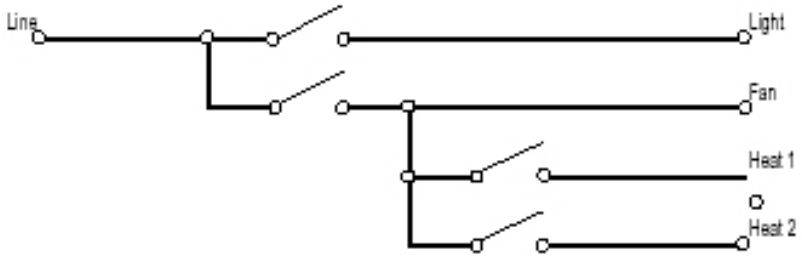
It is important that when installing the 'DraftStoppa' that you read, understand and follow the installation instructions supplied by the various "3- in -1 heater, exhaust fan and light ceiling unit" manufacturers.

When installing the 'DraftStoppa' over a ceiling exhaust fan / heating combination unit it is important to ensure that the 'DraftStoppa' is not over heated. This can be achieved by modifying the wall switch wiring so that the heating switches are in series with the fan switch. The heating switches are to be on the load side of the fan switch.

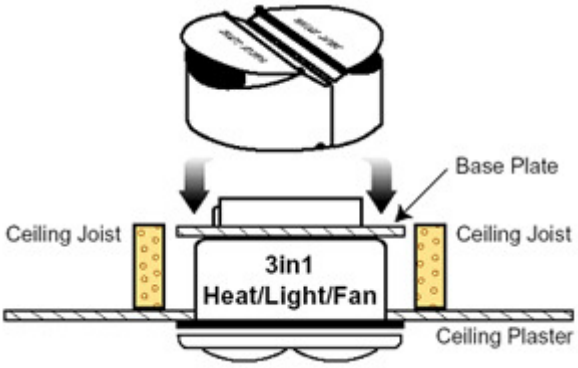
It is especially important that you follow the ventilation and clearance requirements and ensure that the unit is installed in accordance with AS/NZS 3000:2000 wiring instructions and ensure that the heating and fan switches are wired in series so that **the fan must always operate when the heating lamps are operating**. *See wiring diagram on following page*

The design is brilliant. Two moving parts, easy to manufacture and install, very simple, light, and above all effective. This is perhaps the best design that I have seen in a year. Quite lovely. Steve L

3 in 1 Heat/Light/Fan' Installation Instructions cont..



1. Cut a minimum 450mm x 450mm base plate from 10-12mm plaster sheet or 6mm fibro-cement sheet that will fit between ceiling joists or other roof cavity features.
2. This sits on top of the lamp housing and around the vent duct and electrical terminal block to protrude into the space that will be covered by the 'DraftStoppa" unit.
3. Cut an opening in the base plate that allows the vent duct, motor and terminal block to protrude into the space that will be covered by the 'DraftStoppa' unit.
4. Extra space for the external electrical terminal block or motor may need to be allowed for in cutting the hole for the vent duct.
5. Dependent on the off-set of the terminal block or motor, the 'DraftStoppa' may not sit centrally on the base plate. This does not matter. The only consideration is that the base plate sits flush on the lamp housing.
6. Sit the 'DraftStoppa' on the base plate and fit the power lead through the notch.
7. Installation is now complete. Test the fan to ensure that it operates when the heat lamp is on and the 'DraftStoppa' flaps operate effectively.



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