

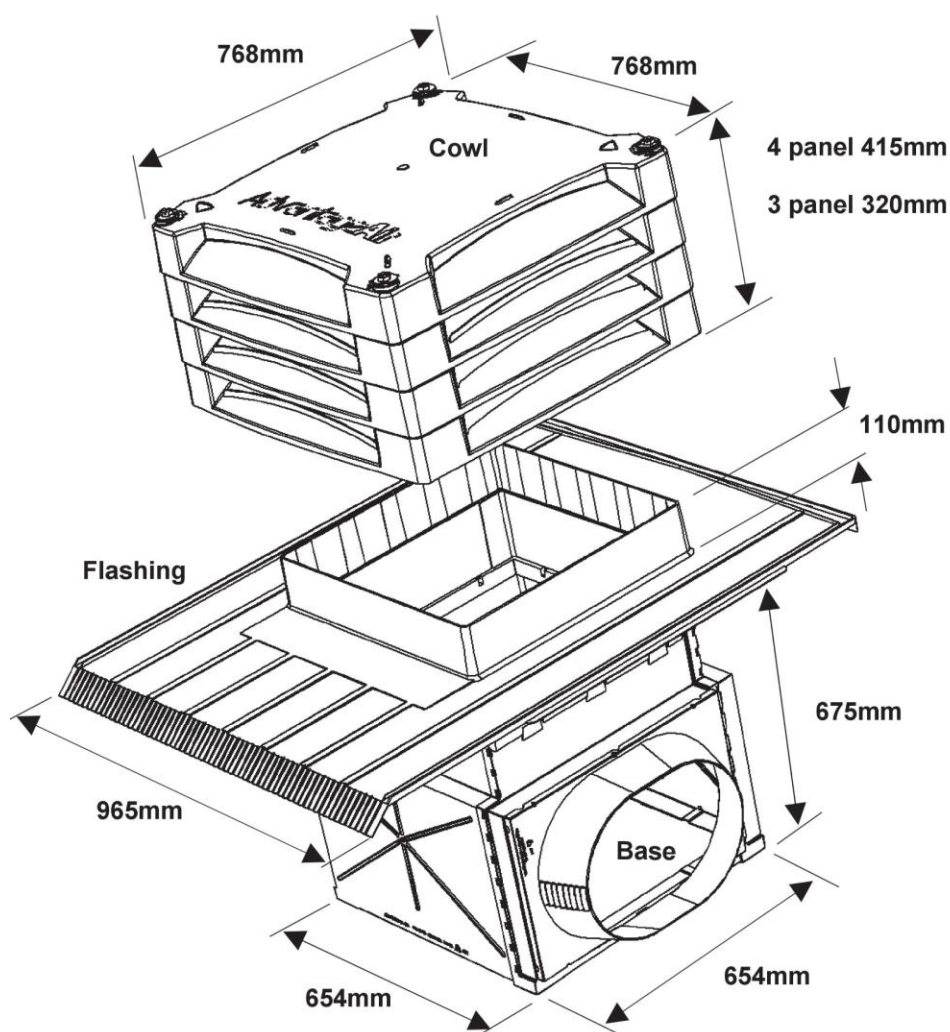
CONTROLS - FRESH AIR SYSTEM

FEATURES

- Simple to operate.
- Introduces fresh air into the building
- Reduces air conditioning running costs.
- Improves air quality and freshness.
- Can be run on 100% Outdoor air to flush out smells and stuffiness.
- Flashing and cowl UV stabilised plastic to prevent degradation of materials and will not corrode.
- Roof cowl coloured to match roof. Suitable for metal or tile roofs.



COWL/FLASHING DIMENSIONS



ADVANTAGE AIR®

Advantage Air

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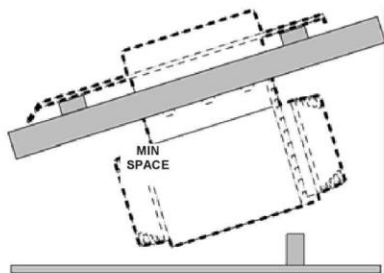
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CONTROLS

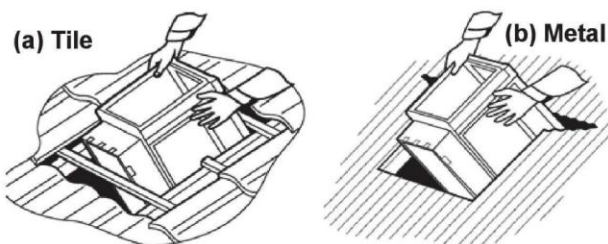
FRESH AIR SYSTEM – COWL INSTALLATION

1. Install the outdoor air cowl in accordance with AS1668 and not closer than 10 meters from any obnoxious exhaust.

2. You will require the following minimum roof space measured perpendicular to the tiles of 675 mm. Ensure there are no structural timbers likely to obstruct the take-offs. Will cater for roof pitches up to 35°. Do not exceed this angle.



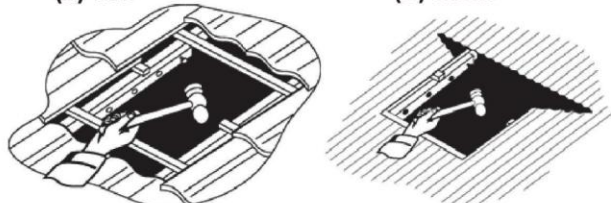
2. (a) If a tile roof, remove tiles and trim tile batons to provide an opening 550x550mm.
(b) If a metal roof, cut opening in roof sheet and trim batons top provide an opening of 600x600mm.
3. Pass all duct and fittings through opening and clear the area in the roof space around the dropper. Pass the assembled dropper base through the opening and carefully place on the ceiling.



4. Pack the opening with timber off cuts if the distance between trusses is

(a) Tile

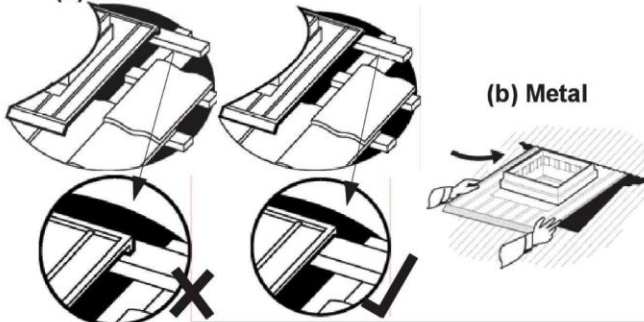
(b) Metal



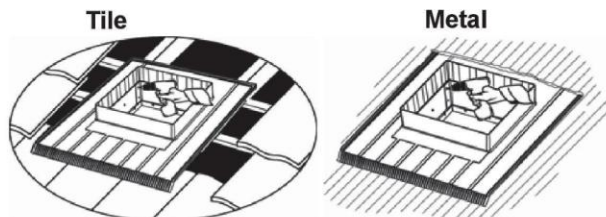
5. Install the flashing into the hole.
(a) Tile roofs, ensure the top of the flashing is clear of the tile batons as indicated below.
(b) Metal roofs, slide flashing underneath the top cut.

(a) Tile

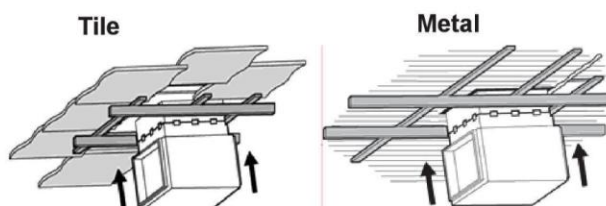
(b) Metal



6. Ensure flashing is square with the roof tiles/roof line and using the 12-11 x 40 HEX HEAD type 17 w/seal full thread screws provided, loosely install one screw per side to hold the flashing in place. DO NOT FASTEN THESE TWO SCREWS.



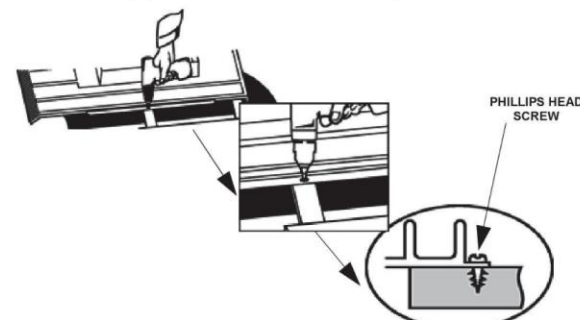
7. From inside the roof space ensure the orientation of the dropper base is correct. Clip the dropper base onto the underside of the flashing. Ensure there are no obstructions to the flexible duct adaptors.



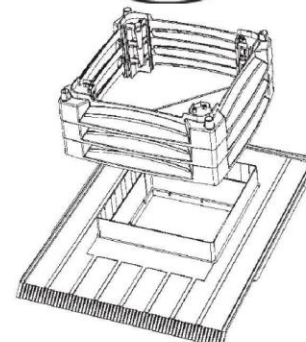
8. Install the remaining screws into the flashing and fasten. Use five screws on each rafter in the positions shown below.

5 HEX HEAD SCREWS PER RAFTER

9. For tile roofs only, trim & replace tiles over flashing.
10. For tile roofs only, fasten flashing down to roof batons via end tabs to obtain required curve in the flashing. (These screws are not provided).



11. Fit the Cowl with the top removed over the flashing neck.



No liability

Make sure you read and understand all the installation instructions before you install this Fresh Air Cowl/System. Advantage Air (Aust) Pty Ltd does not accept any responsibility for any loss or damage that may be caused either directly or indirectly by the installation of this Fresh Air Cowl/System.

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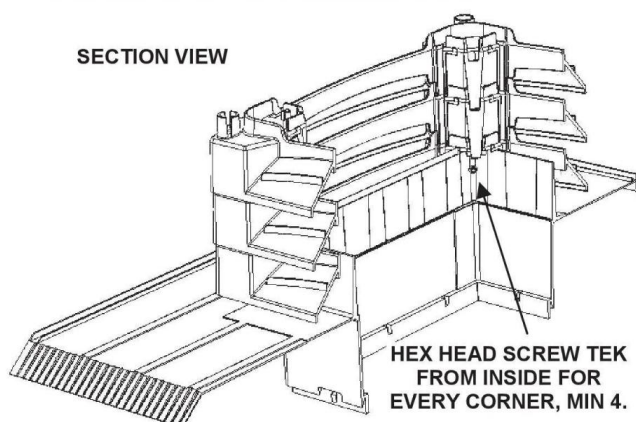
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FRESH AIR SYSTEM – COWL INSTALLATION

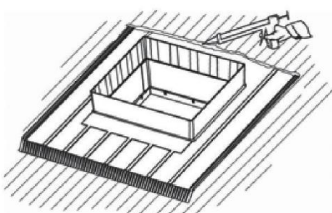
12. Using 40mm full thread Hex head screws provided, work from the inside of the flashing. Fix a minimum of one screw per corner (total of 4) at the midpoint of the flashing neck. Tighten screws gently to avoid stripping the plastic. For added strength extra screws can be used in the corners. **DO NOT SCREW INTO THE SIDES AS THE SCREWS WILL INTERFERE WITH THE FILTERS. ENSURE THAT THESE SCREWS ARE NO MORE THAN 30mm AWAY FROM THE CORNER WALLS OF THE FLASHING NECK.**

SECTION VIEW

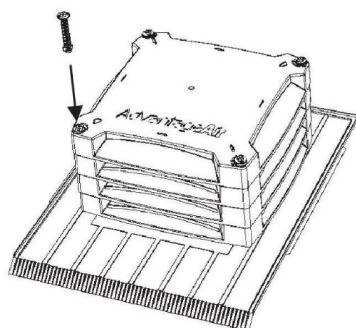


13. **For metal roofs**, apply silicon to where flashing meets roof sheet.

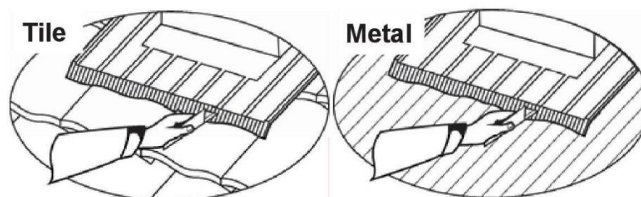
14. **For tile roofs**, replace roof tiles on the sides and trim tiles as usual to obtain a weather proof seal.



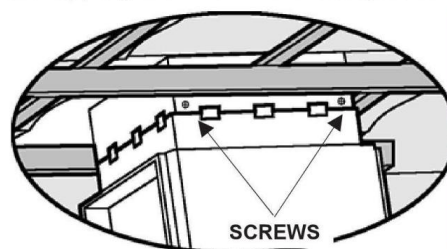
15. Fit the top and secure using lockpins on each corner. Twist and lock in place, ensure engraving triangles on the top panel and lock-pins align.



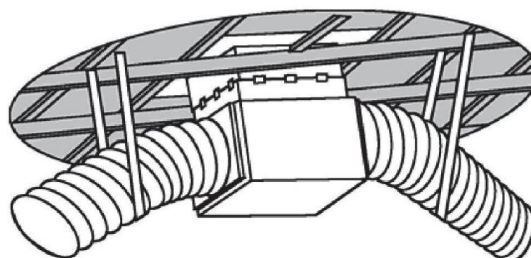
16. The front of the flashing can be trimmed with a Stanley knife to shape the front of the flashing to the roof profile. Suitable roofing screws can also be used to screw the flashing down to metal roofs only if desired. (These screws are not provided).



17. From inside the roof space, check the dropper base is securely clipped to the flashing if in doubt use a few self tapping screws to secure in place.



18. After taping the flexible duct to the neck adapters carefully clip the adapters onto the dropper base.
19. Ensure there are no sharp bends or distortions in the flexible duct at the dropper base.
20. It is recommended that the flexible duct is supported using hanging strap 1 meter from the dropper base.



21. Once the unit is running check all connections are secure.
22. Please recycle all packaging.



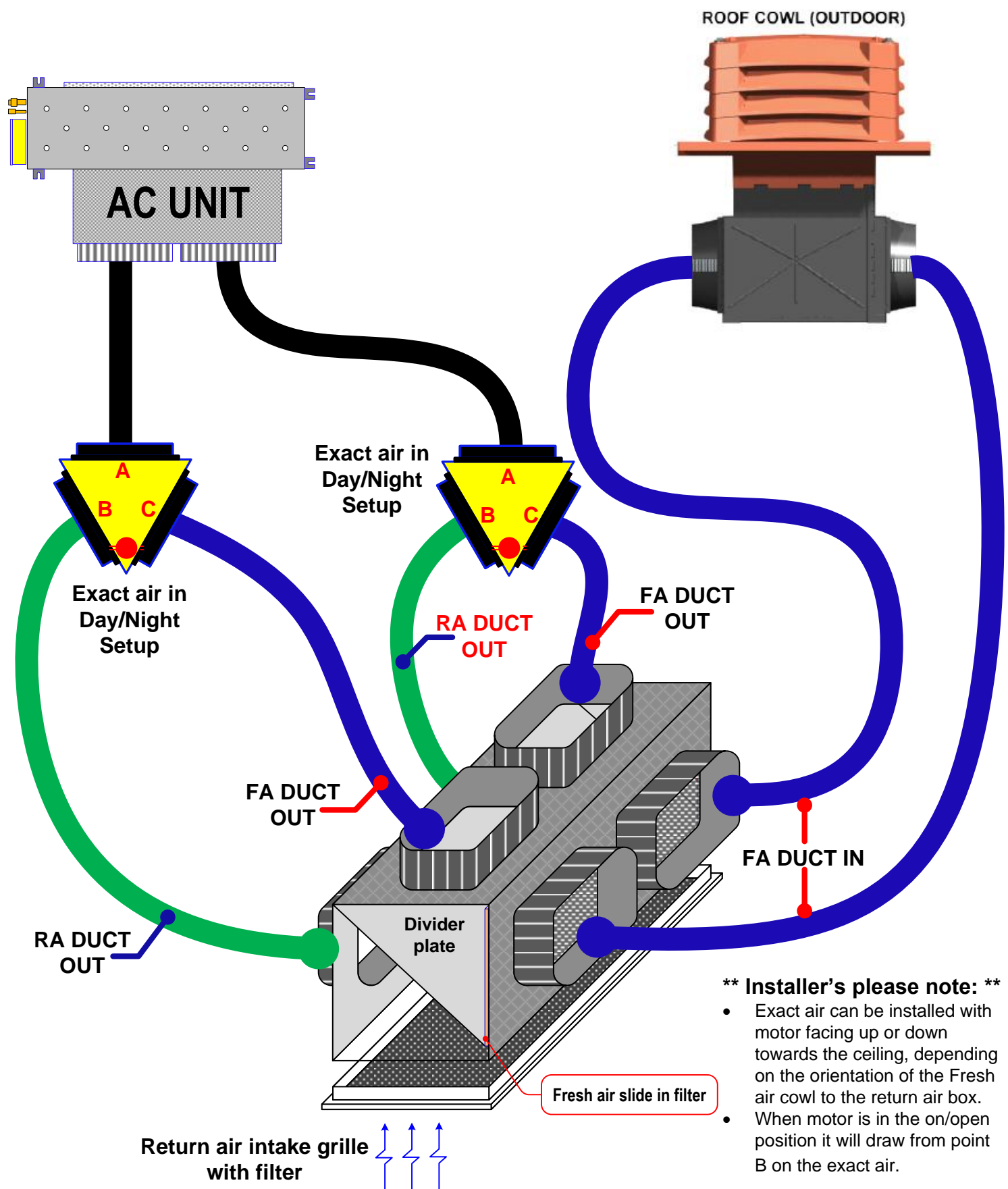
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CONTROLS - FRESH AIR SYSTEM DUCTING DIAGRAM



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