

Flettner Slimline Adapter

Low Profile Ventilator Adapter

*Ventilator Sold Separately



The original environmentally friendly wind-powered ventilator

Der originale umweltfreundliche, windbetriebene Lüfter

El primer ventilador eólico ecológico

Le ventilateur éolien original respectueux de l'environnement

Il ventilatore ecologico originale azionato dal vento

De originele milieuvriendelijke windaangedreven ventilator

環境に配慮したオリジナルの風力換気装備

Key Benefits:

- Lowest profile ventilator in the world
- Fits under roof-racks
- 24/7 extraction
- Reduces excessive heat, condensation, hazardous fumes & strong odours
- Weather proof
- No auxiliary power required
- Quick & easy installation
- Maintenance free
- Lifetime warranty



Flettner Ventilator Ltd

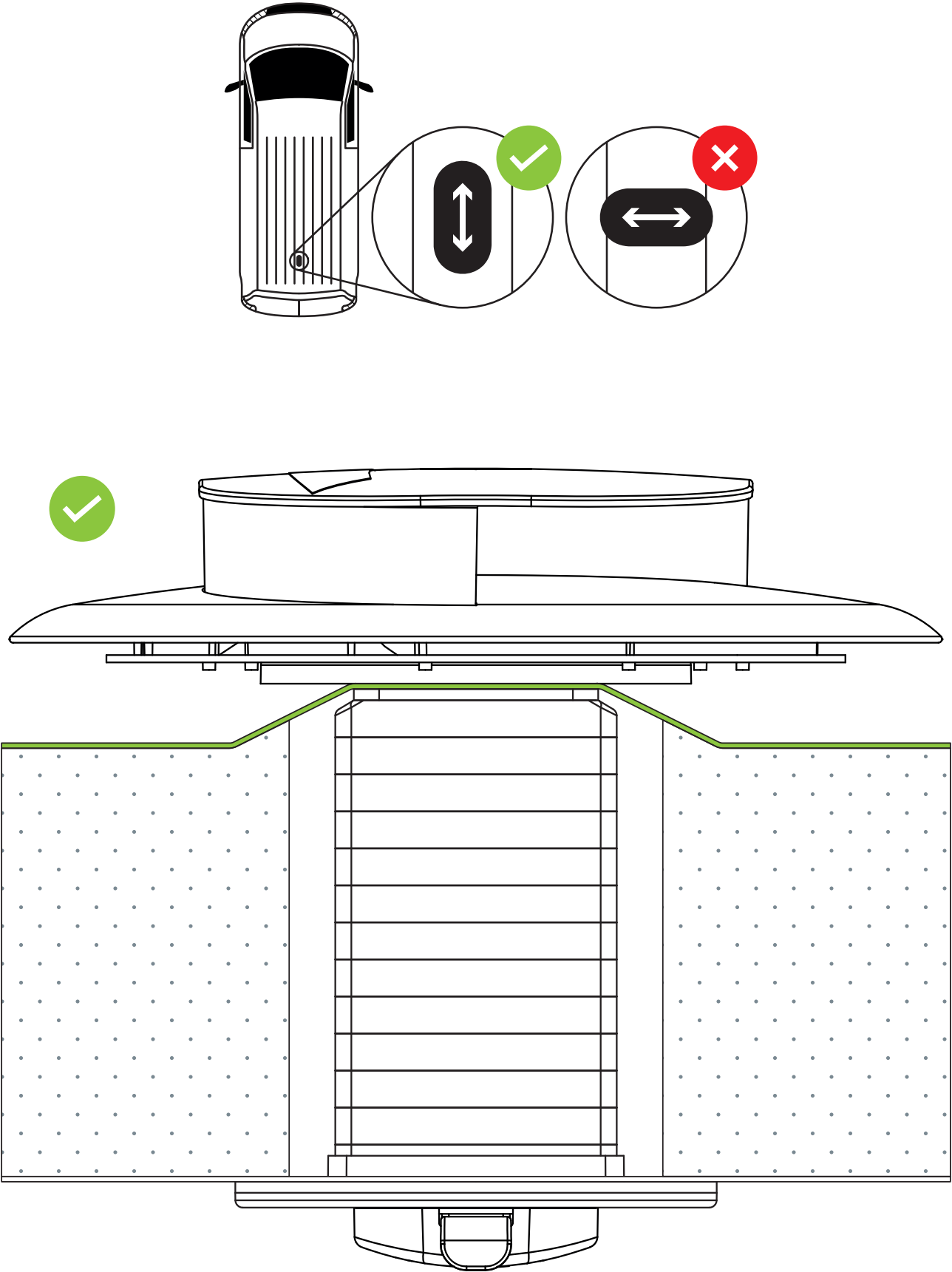
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VE-LPV-GU-401-01

Figure 1



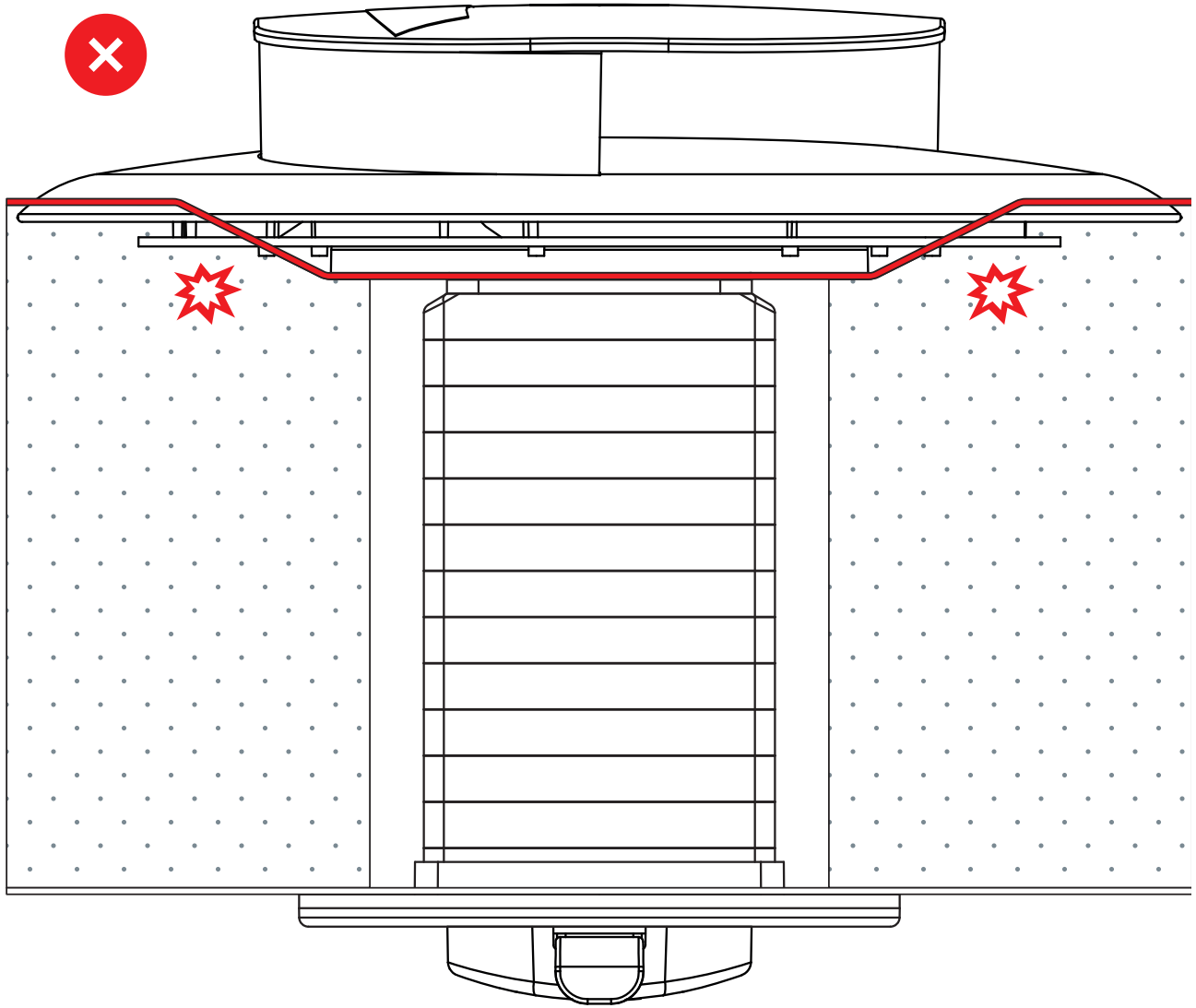


Figure 2

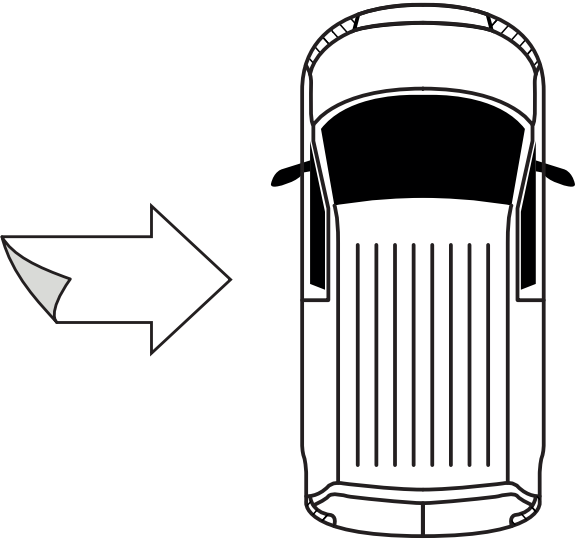
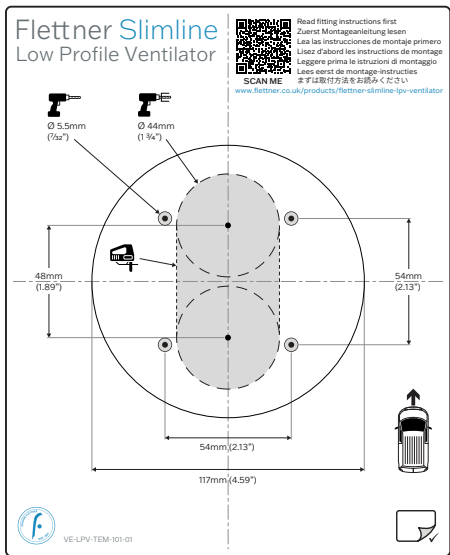


Figure 3

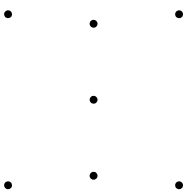


Figure 4

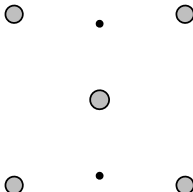


Figure 5

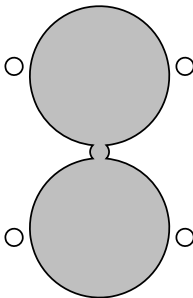


Figure 6

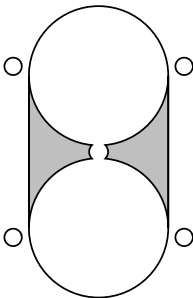


Figure 7

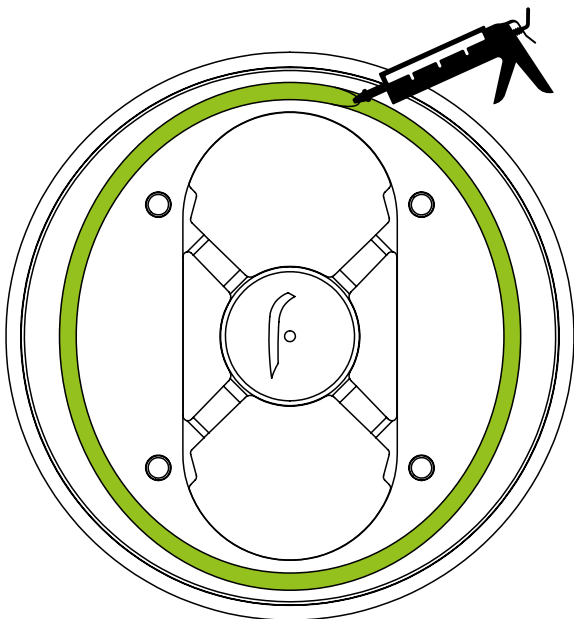


Figure 8

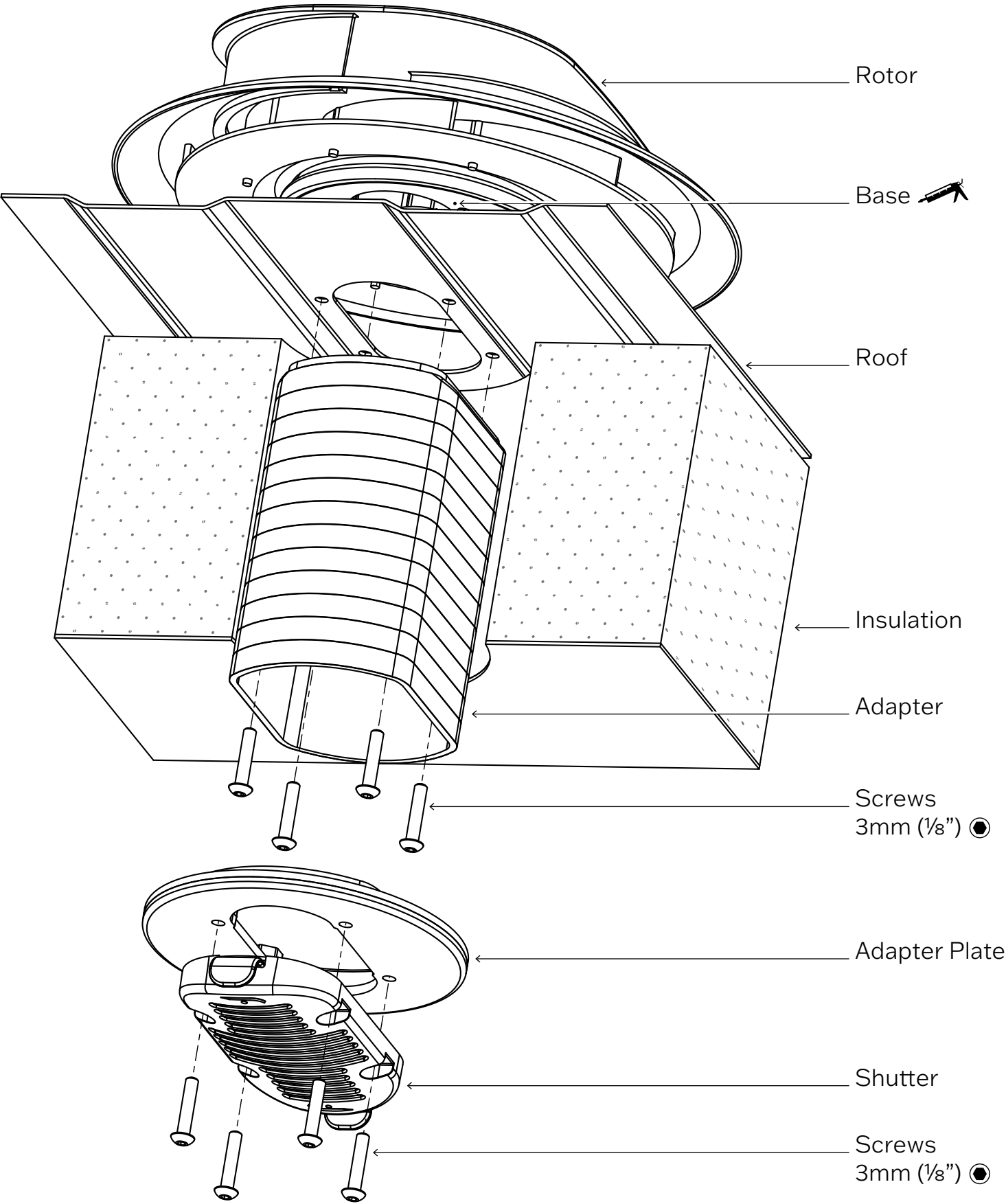
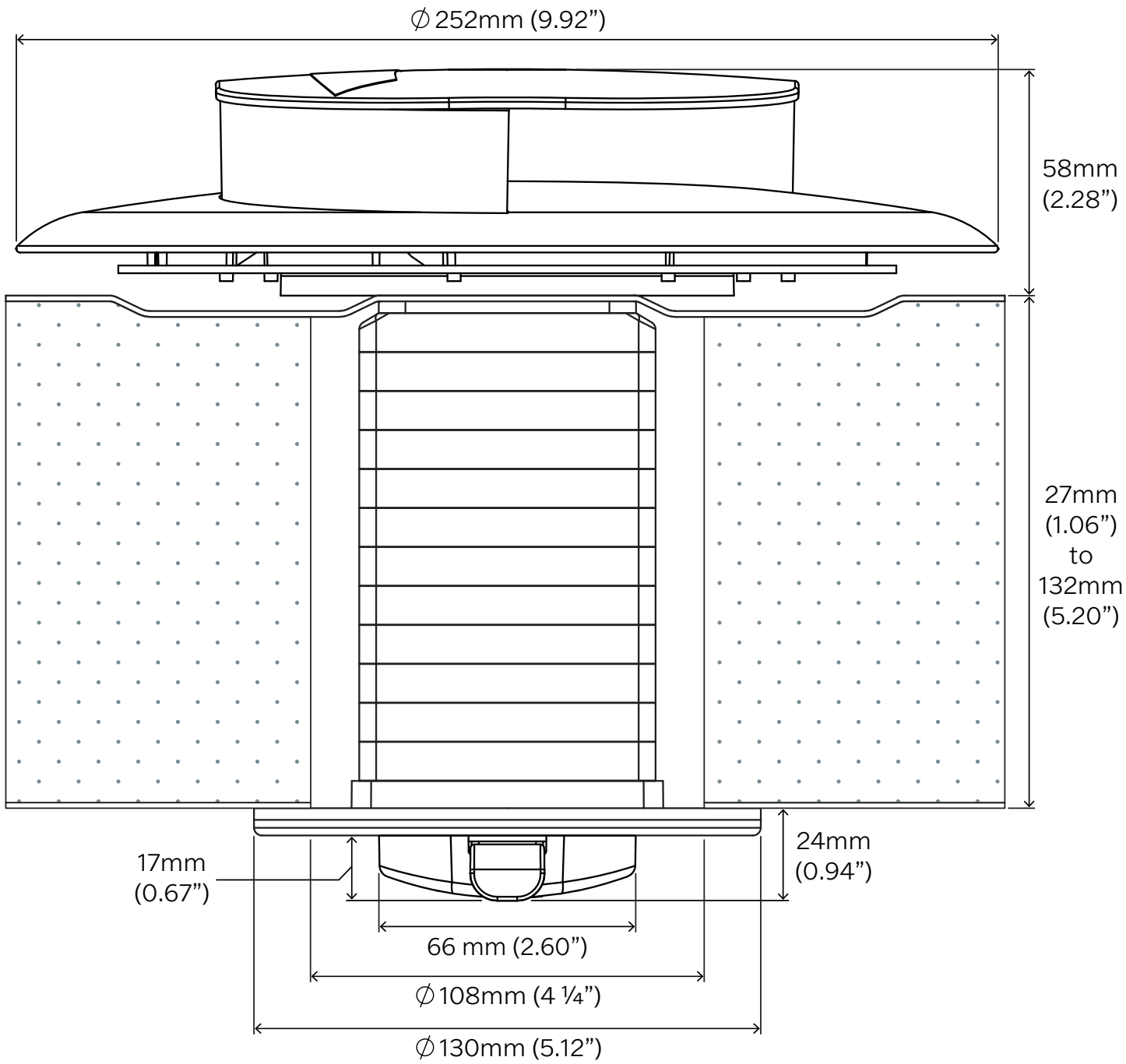


Figure 9



English - Fitting Instructions

VERY IMPORTANT - Read this first

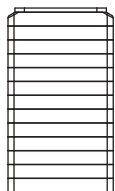
Take all necessary safety precautions when working at height. Make sure that all work is planned, organised, and carried out by a competent person. Use an appropriate stepladder. Wear work gloves and safety glasses during the installation to avoid injury from sharp metal edges and swarf.

Use of waterproof adhesive sealant is recommended. Ensure shutter is set to open during operation.

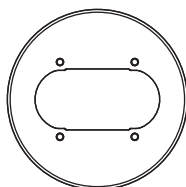
For further information such as installation videos, a list of recommended fitters, frequently asked questions, registering your warranty, and any other support; visit flettner.co.uk.



Contents



1 x Flettner Slimline Adapter

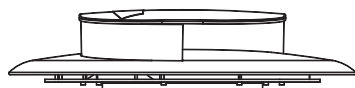


1 x Flettner Slimline Adapter Plate

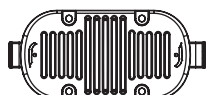


4 x Flettner Slimline Screws

Sold Separately



1 x Flettner Slimline



1 x Flettner Slimline Shutter



4 x Flettner Slimline Screws

Recommended Equipment

Flettner Slimline sticker template, fitting instructions, scissors, tape, drill, 2.5mm ($\frac{1}{8}$ ") drill bit, 5.5mm ($\frac{7}{32}$ ") drill bit, 6mm ($\frac{1}{4}$ ") drill bit, 44mm ($1\frac{3}{4}$ ") hole saw, 108mm ($4\frac{1}{4}$ ") hole saw, metal saw, metal file, rust inhibitor and brush, 3mm ($\frac{1}{8}$ ") hex drive, waterproof adhesive sealant, saw, appropriate silicon adhesive.

(A) Positioning

Position the Flettner Slimline on the strongest section of the vehicle's roof, ideally towards the rear area (**figure 1**).

Do NOT fit the ventilator in the centre of a large unsupported roof section.

(B) Preparation

1. Stick the temporary Flettner Slimline template sticker in the intended location on the top of the vehicle's roof (**figure 2**).
2. Drill six 2.5mm ($\frac{1}{8}$ ") pilot holes and one 2.5mm ($\frac{1}{8}$ ") pilot hole where the two centrelines intersect (**figure 3**).
3. Re-drill the centre hole to 6mm ($\frac{1}{4}$ ") (**figure 4**). Continue to drill the 6mm hole completely through the roof lining, ensuring the drill bit is perpendicular and straight. This is critical for installing the Flettner Slimline Adapter correctly.
4. Re-drill the four outer holes to 5.5mm ($\frac{7}{32}$ ") (**figure 4**).
5. Re-drill the two remaining holes using a 44mm ($1\frac{3}{4}$ ") hole saw (**figure 5**).
6. Using a metal saw, cut the two straight sides of the pill shaped hole (**figure 6**).
7. Remove the Flettner Slimline template sticker.
8. From inside the vehicle, re-drill the 6mm ($\frac{1}{4}$ ") hole in the roof lining using a 108mm ($4\frac{1}{4}$ ") hole saw.
9. Remove any insulation, filling materials, or obstructions in order to provide clear access to the roof from below.
10. Carefully remove any sharp edges using an appropriate metal file.
11. Use an appropriate rust inhibitor to treat any bare metal surfaces.

(C) Installation

1. Turn the Flettner Slimline upside-down and apply waterproof adhesive sealant to the gasket on the bottom side of the base (**figure 7**).
2. Place the Flettner Slimline onto the roof. From inside the vehicle, line up the four holes of the Slimline base with the four holes in the roof using two Slimline Screws.
3. Cut the Slimline Adapter with a saw so that it is flush to the roof lining when fastened to the Slimline base.
4. Insert four Slimline Screws through the Slimline Adapter using a 3mm ($\frac{1}{8}$ ") hex drive and into the Slimline base.
5. Evenly tighten the four Slimline Screws, slightly compressing the gaskets. **IMPORTANT** Do not overtighten as this may prevent the rotor from spinning freely.

6. Test fit the Adapter Plate on the Adapter ensuring the Plate sits flush against the roof lining.
7. Apply an appropriate silicon adhesive all around the inside of the Slimline Adapter Plate. Peel off the yellow tape backing on the gasket on the Adapter Plate.
8. Bond the Slimline Adapter Plate to the Slimline Adapter and roof lining. It is recommended to temporarily secure the Slimline Adapter Plate using an appropriate adhesive tape until the adhesive has cured, then remove tape.
9. Insert the four remaining Slimline Screws through the Flettner Slimline Shutter using a 3mm (1/8") hex drive and into the Slimline Adapter Plate.
10. Evenly tighten the four Slimline Screws, slightly compressing the gaskets.

(D) Final checks

1. If the Slimline and Adapter are fitted correctly, the rotor should spin freely and there should be no vertical movement.
2. If you are unsure of the final installation, please check our frequently asked questions or contact us for further support.