

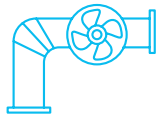
expella™



Discreet internal grille designed to be set into the ceiling for a streamlined surface



Centre panel that is ready to be painted to match the ceiling for a consistent finish



Suitable for inline ventilation systems and air conditioning systems

SHADOWLINE DIFFUSER SQUIRCLE

Round corner profile flangeless internal grille

Uninsulated (for ventilation)	Shadowline Diffuser Squircle with Plenum Box, White ABS	1SLD280SC
Insulated (for air conditioning)	Shadowline Diffuser Squircle with Plenum Box, Insulated with 200mm Spigot, White ABS	1SLD280SCI
Compatible Expella ventilation kits (sold separately):		
Standard Inline Exhaust Kit		1406530
Quiet Flow Inline Exhaust Kit		1406220
Quiet Flow Multi Inline Exhaust Kit		1406340
Roof Exhaust Kit		1406500

The Shadowline Diffuser Squircle is a flangeless internal ceiling grille that allows air to be channelled through ventilation systems. The diffuser has a round corner profile with a centre panel that is ready for painting, resulting in a discreet finish that matches the ceiling or wall that it is mounted in. Designed in Australia by Expella, it has been engineered to optimise airflow and efficiency.

SHADOWLINE DIFFUSER SQUIRCLE
Round corner profile flangeless internal grille

PRODUCT FEATURES

- Sits flush with the ceiling or wall once installed
- Fine textured centre panel finish (resembling gyprock) that is ready for painting, to provide a finish that is consistent with the ceiling or wall
- Designed to optimise air flow and improve ventilation/air conditioning system efficiency
- Manufactured from durable, non-corrosive and high-quality ABS plastic – an ideal material for channelling damp air
- Easy to install
- Low 148mm profile, ideal for restricted ceiling space
- Suitable for 10mm and 13mm gyprock
- Acts as a service panel for system maintenance
- Easy to clean, simply wipe with a damp cloth as required
- Designed and engineered in Australia by Expella



SPECIFICATIONS

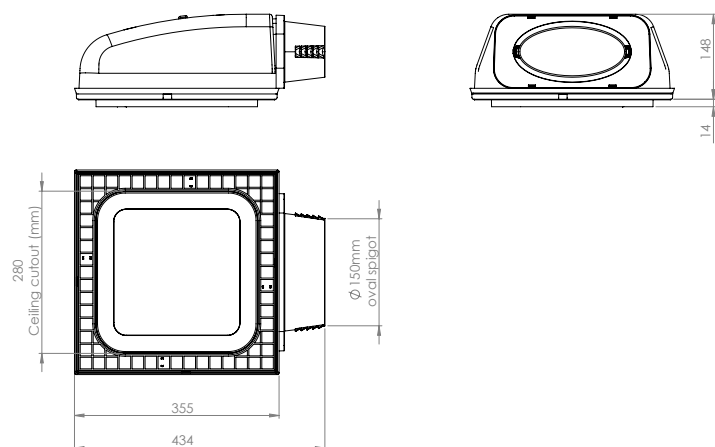
	Uninsulated (for ventilation)	Insulated (for air conditioning)																					
Suitable applications	Bathroom and laundry exhaust grilles for inline ventilation systems	Supply or return air diffuser for air conditioning systems																					
Product contents	<ul style="list-style-type: none">• Centre panel (Squircle)• 150mm oval spigot• Squircle Base Plate with fixing lugs (x4)• Plenum box• Cable tie (x1)• Mounting tab (x1)• 20mm screws (x4)	<ul style="list-style-type: none">• Centre panel (Squircle)• 200mm oval spigot• Squircle Base Plate with fixing lugs (x4)• Insulated plenum box• Cable tie (x1)• Mounting tab (x1)• 20mm screws (x4)																					
Material	ABS Plastic, centre panel has a fine textured finish to resemble gyprock																						
Compatible duct size (mm)	<ul style="list-style-type: none">• 150mm flexible duct• 200mm flexible duct (requires 200mm diameter spigot)	<ul style="list-style-type: none">• 200mm flexible duct																					
Options (sold separately)	<ul style="list-style-type: none">• 200mm diameter spigot (sold separately)																						
Design	Designed by Expella Aust. Design Registration: 202411822 and 202411823																						
Performance	<div><div>— Uninsulated for ventilation — Insulated for air conditioning</div><table border="1"><caption>Pressure Loss Data (Estimated from Graph)</caption><thead><tr><th>Airflow (Litres per second)</th><th>Uninsulated Pressure Loss (Pa)</th><th>Insulated Pressure Loss (Pa)</th></tr></thead><tbody><tr><td>30</td><td>2.5</td><td>1.5</td></tr><tr><td>45</td><td>5.5</td><td>3.0</td></tr><tr><td>60</td><td>9.5</td><td>4.5</td></tr><tr><td>75</td><td>14.5</td><td>6.5</td></tr><tr><td>90</td><td>20.5</td><td>8.5</td></tr><tr><td>105</td><td>27.5</td><td>11.5</td></tr></tbody></table></div>		Airflow (Litres per second)	Uninsulated Pressure Loss (Pa)	Insulated Pressure Loss (Pa)	30	2.5	1.5	45	5.5	3.0	60	9.5	4.5	75	14.5	6.5	90	20.5	8.5	105	27.5	11.5
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SHADOWLINE DIFFUSER SQUIRCLE

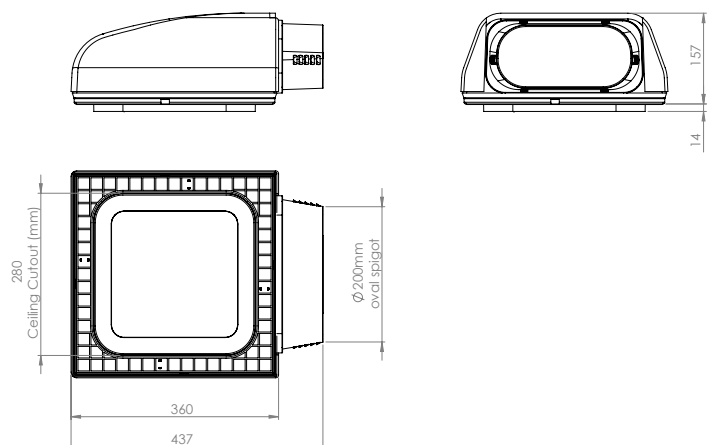
Round corner profile flangeless internal grille

DIMENSIONS (mm)

Uninsulated (for ventilation)



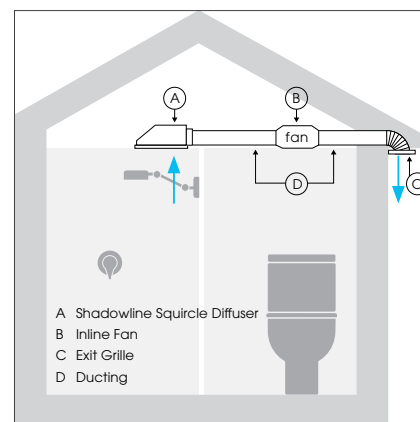
Insulated (for air conditioning)



INSTALLATION AND MAINTENANCE

Installation

It is recommended that installation of the Shadowline Diffuser Squircle is carried out by a qualified tradesperson, it is to be installed as part of an inline ventilation system.



The Shadowline Diffuser Squircle requires a circular ceiling cutout (refer to dimensions drawing). The diffuser should be installed prior to the ceiling being installed, as the plenum box is larger than the ceiling cut out. Please check product specifications with your tradesperson before ordering.

Maintenance

Clean the grille as required with a damp cloth to maintain optimal performance and prevent the buildup of dust and debris.

Warranty

5 year warranty from date of purchase. Refer to Expella's website for full warranty terms and conditions.

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