

Technical Data Sheet

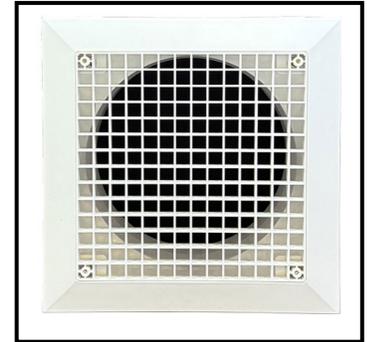
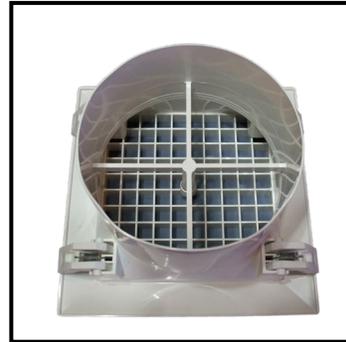
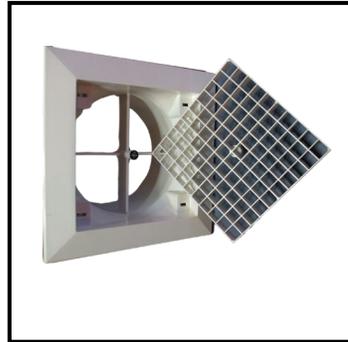
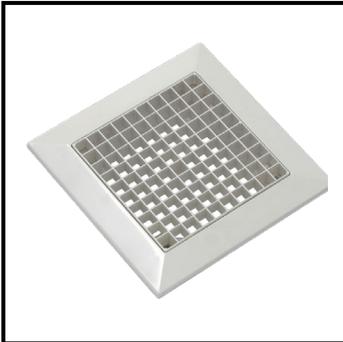
Airmaster Grille 200x200-200

Egg Crate Plastic 200Ø Magnetic Removable Core

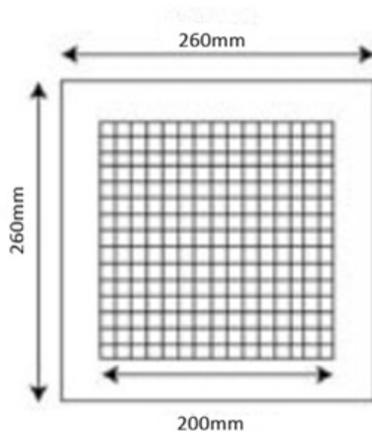


AIRFLOW ENGINEERING

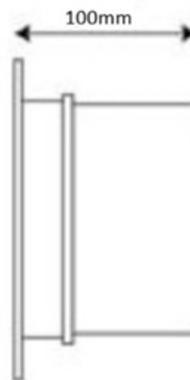
*The Lasercut Shop
The Hvac Shop*



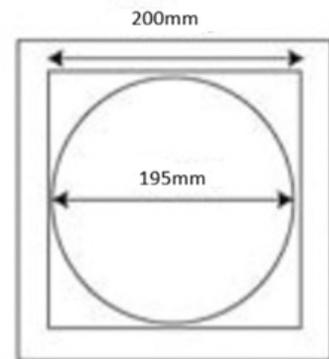
FRONT



SIDE



REAR



The Airmaster 200 plastic ceiling eggcrate grille is designed for efficient air distribution in domestic ventilation systems.

Manufactured from durable plastic, it provides reliable airflow and a clean appearance suitable for modern interiors.

Ideal for domestic ceiling installations such as bathrooms, laundries, and living spaces where consistent airflow and a neat finish are required.

*Dimensions Face: **260mm x 260mm***

*Thickness of Face Plate: **5mm***

*Removable Eggcrate: **200mm x 200mm***

*Eggcrate: **10mm²** held in by 4 magnetics*

*Spigot Size: **OD 195mm***

*Spigot Length: **100mm***

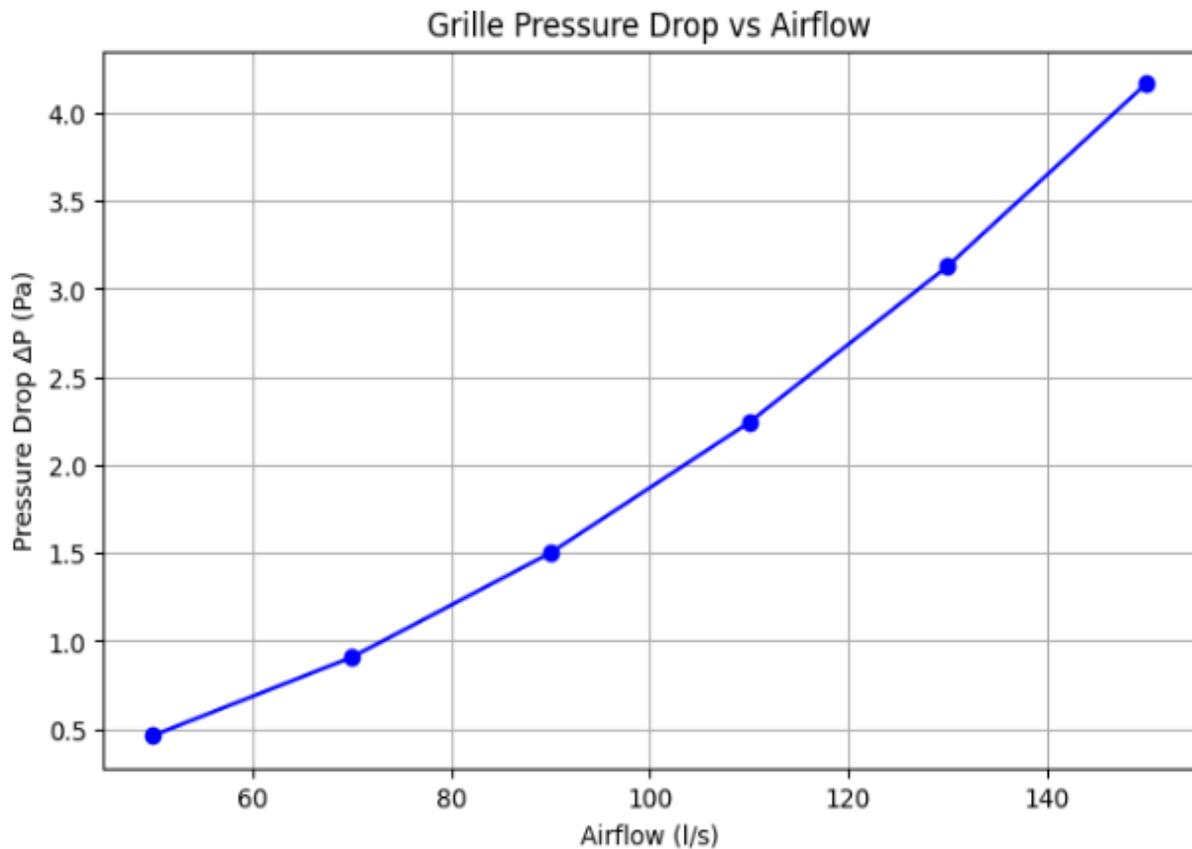
*Material: **ABS Plastic***

*Finish: **Bright White***

*Airflow: **90% Free Air approx 90 l/s***

Details

The grille features a 260 mm × 260 mm ABS faceplate with a removable 200 mm × 200 mm eggcrate diffuser, providing approximately 90% free area for efficient airflow. Designed for a 195 mm OD spigot with 100 mm length, it supports airflow up to 150 l/s with minimal pressure drop (~1.5 Pa at 90 l/s). Each 10 mm² cell ensures uniform distribution, maintaining face velocities around 2.5 m/s at 90 l/s, keeping noise and drafts negligible. The bright white ABS finish provides a durable, clean aesthetic suitable for residential or commercial ceilings. This grille combines low-resistance airflow with quiet, even air distribution, making it ideal for HVAC systems requiring efficient ventilation and minimal acoustic impact.



Notes / Installation & Performance:

Airflow Performance: Supports up to 150 l/s, with low pressure drop (<5 Pa), ensuring minimal impact on fan selection.

Uniform Distribution: Eggcrate cells provide even airflow, reducing drafts and hot/cold spots.

Noise Consideration: Cell velocity remains below 5 m/s even at maximum recommended airflow, keeping operation quiet.

Installation Flexibility: Removable eggcrate allows easy cleaning and maintenance access.

Durability: ABS construction with bright white finish resists cracking, fading, or corrosion.

Compatibility: Fits standard 195 mm OD spigots; ensure proper duct alignment.

Maintenance: Light cleaning recommended; avoid harsh solvents to maintain finish.