

Operations and Maintenance Manual

An essential guide for effectively operating, maintaining, and maximizing the lifespan of your Recirculating Range Hood.

Recirculating Range Hood

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Compliance

Our Recirculating Range Hood has been meticulously designed and manufactured to comply with all current local and national safety requirements, ensuring utmost safety and peace of mind. However, it is essential to exercise caution and adhere to appropriate usage practices to prevent personal injury and avoid any damage to property.

To guarantee your safety and optimize the performance of your rangehood, we strongly recommend carefully reading and following the comprehensive operating and installation instructions provided. These instructions encompass vital information regarding safety guidelines, proper installation procedures, as well as essential maintenance practices. By familiarizing yourself with these instructions, you protect yourself from potential harm and prevent any potential damage to the range hood.

In accordance with standard AS1668.2-2012 and IEC 60335-2-99, we emphasize the importance of thoroughly reviewing and adhering to the installation instructions and the detailed "Safety and Warning" instructions. Neglecting these guidelines may result in undesirable consequences, and therefore, we cannot be held liable for any injury or damage caused by noncompliance with these instructions.

For your convenience, please keep these instructions in a secure place and ensure they are passed on to any future owner of the range hood, allowing them to benefit from the comprehensive safety and operational guidance provided.

Safety and Warning Instructions

Please carefully review the entire manual. Neglecting to adhere to the provided instructions and guidelines may result in personal injury or damage to property. To ensure your safety while using the Recirculating Range Hood, it is imperative to consistently practice basic safety measures, including the following recommendations.

Warning!

Care must be taken when installing the metal expansion pipe to ensure a tight fit between the pipe diameter and the aperture. Drilling excessively large holes is strictly prohibited as it may cause the expansion pipe to loosen and unexpectedly fall.

Adequate ventilation is required in the room when using the Recirculating Range Hood simultaneously with gas-burning appliances or other fuel-burning stoves.

For external venting models, ensure that the diameter of the flue is not smaller than the duct diameter to achieve optimal smoke extraction performance. Excessive duct length may also affect smoke extraction efficiency.

This product is intended solely for everyday kitchen use. It should not be used in hazardous or potentially explosive environments. Prior to installation, ensure the product is placed in a dry, well-ventilated environment free from corrosive or harmful gases.

Correct Application

- The Recirculating Range Hood is specifically designed for commercial use and similar environments, such as restaurants, central kitchens in hotels or motels, barbecue restaurants, hot pot restaurants, food processing centres, and other conventional cooking areas.
- Please refrain from using the appliance outdoors, as it is not suitable for outdoor applications. The primary purpose of the range hood is to extract vapours and eliminate cooking odours. Any usage other than this intended purpose is solely at the owner's risk. Dr. AirFresh cannot be held responsible for any damage resulting from incorrect or improper use or operation of the range hood.
- Background ventilation rate must comply with the applicable code regulations and should exceed 120 litres per second (LPS) per appliance. The recommended approach is to install an extraction grille above the hood bay to achieve optimal ventilation.
- The rangehood system is not certified for use with charcoal grilling. It is crucial to ensure that the background ventilation rate of 120LPS is applied directly above the appliance.
- Note the discharge will be humid. For models with upward-facing exhaust outlets, there should be a clearance of 300mm under a ceiling so as to ensure adequate air movement.
- When dealing with gas-burning appliances, there are specific code compliance issues related to the risk of gas leaks that mechanical engineer and gas fitter must address separately. This manual does not cover those specific considerations.

- This appliance is not intended for use by individuals (including children) with limited physical, sensory, or mental capabilities, or those lacking experience and knowledge, unless they have received proper supervision or instruction from a responsible person overseeing their safety. Furthermore, they should possess the ability to understand and acknowledge the potential risks associated with improper use.
- Attention HVAC engineers: Please note that background ventilation should be distinguished from kitchen exhaust, as it serves as general exhaust and is not subject to AS1668.1-2015 compliance requirements.

Safety with Children

- To ensure the safety of young children, it is important to prohibit their use of the Recirculating Range Hood.
- Older children may be permitted to use the range hood only after receiving clear instructions on its proper operation and demonstrating the ability to use it safely. They should understand and be aware of the potential dangers associated with incorrect usage.
- Cleaning tasks should only be carried out by older children under adult supervision.
- Children should always be supervised when in the vicinity of the appliance to prevent them from playing with it.
- It is crucial to keep packaging material away from children to prevent the risk of suffocation. Children can become entangled in plastic wrapping or accidentally cover their heads, posing a suffocation hazard.

Technical Safety

- Installation and electrical circuit setup of the Mobile Rangehood Unit should be performed exclusively by qualified professionals. Non-professionals should not attempt installation, dismantling, or repairs.
- Do not use a damaged appliance. Before use, carefully inspect for visible signs of damage. If any damage is detected, refrain from using the appliance.
- Ensure proper electrical safety by connecting the range hood to a reliable grounding system with continuous continuity. Regularly test this safety requirement and consult a qualified electrician if there is any uncertainty regarding the wiring system.
- Properly connect the range hood to the mains electricity supply, ensuring voltage and frequency match the specifications on the data plate. If unsure, consult a qualified electrician.
- Avoid using multi-socket units or extension leads for connecting the appliance to the mains electricity supply, as they do not meet necessary safety standards and pose fire hazards.
- Only use the appliance after it has been built-in according to the provided instructions for safety reasons.
- Opening the enclosure of the range hood should only be done as described in the "Installation" and the "Cleaning and Maintenance" section. Do not attempt to open other parts of the enclosure, as tampering can lead to operational faults.
- Damaged mains electricity supply should be replaced by authorized service technicians or qualified electricians to prevent hazards.

- During installation, maintenance, and repair work, always disconnect the appliance from the mains electricity supply. This is achieved by switching off the mains circuit breaker or turning off the wall socket and removing the plug. Never pull the mains connection cable to disconnect the appliance; always pull the mains plug.

Guide to the Rangehood

The Recirculating Range Hood is constructed using high-quality brushed stainless steel, ensuring durability and longevity. Its advanced design allows for efficient air extraction, enabling deep purification of airborne particles. The integration of a smoke hood eliminates the need for traditional filters.

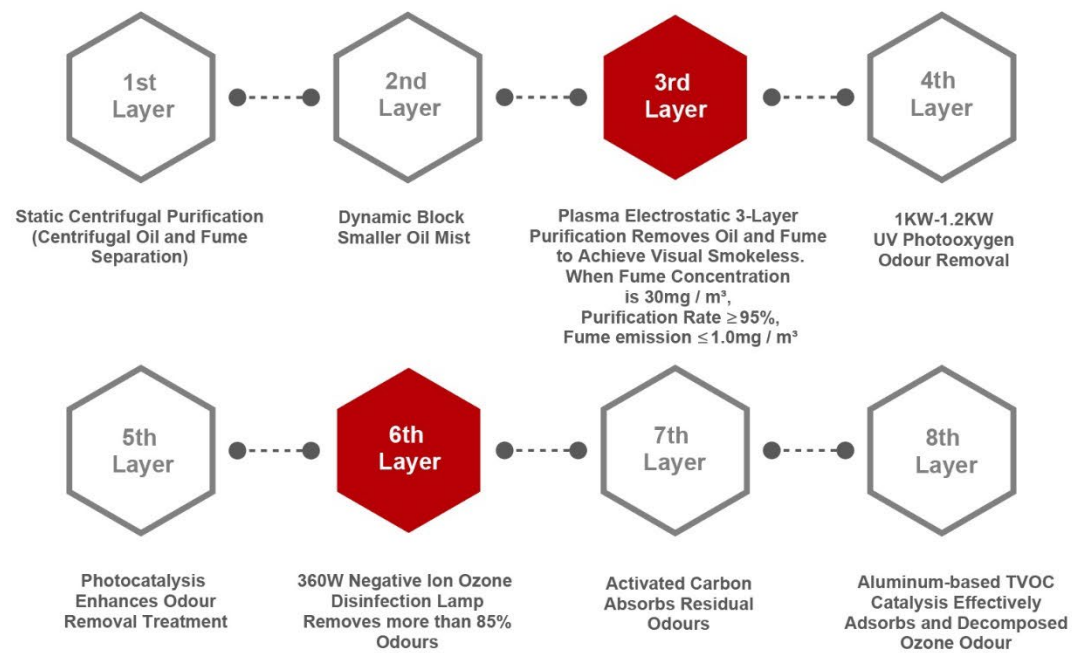
This rangehood features a modular design, providing flexibility for personalized customization. It incorporates UV photooxygen technology for effective odour removal, enhanced by photocatalysis treatment. The ozone disinfection lamp further eliminates odours, while activated carbon absorbs residual odours (activated carbon requires regular replacement). The aluminium-based manganese dioxide module effectively adsorbs and decomposes ozone odours.

Safety is paramount, and the rangehood is equipped with leakage protection, motor overheating protection, and overload protection mechanisms. It holds the Australia Product Certification and can be used throughout Australia & New Zealand. It adheres to the National Construction Code of Australia can be replaced by the relevant portions of the New Zealand Building Act as it applies to New Zealand.

Implementation Standard: AS1668.2-2012 / IEC 60335-2-99

Technical Parameters

| | |
|-----------------------------------|---|
| Product Name: | Recirculating Range Hood |
| Specification Model: | RRH1800 - RRH2400 |
| Standard Length of Equipment (m): | 1.8 - 2.4 |
| Voltage: | AC 240v±10% |
| Power Consumption: | 3KW - 3.9KW / unit |
| Air Volume (m ³ /min): | 3500m ³ -5000m ³ / unit |
| Noise Level: | ≤70dB |
| Dimensions: | 1800 - 2400 (W) * 1350 (D) * 850 - 1150 (H) |
| Safety device: | leakage protection, motor overheating protection, overload protection |
| Purifying Rate: | ≥96% |
| Fume Emission Concentration: | ≤1.0mg / m ³ |



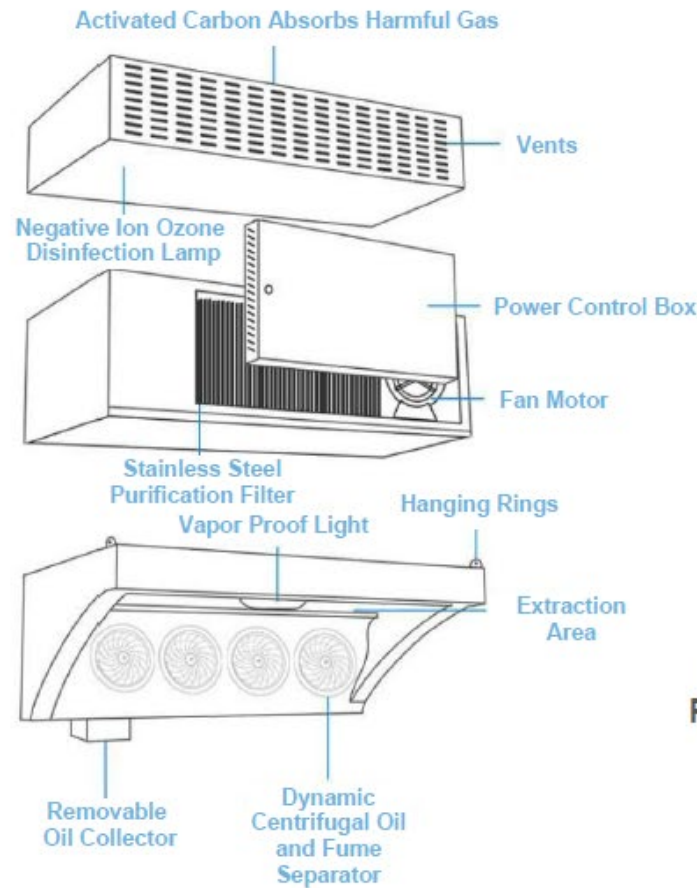
Recirculating Range Hood

Installation

Prior to installation, it is crucial to thoroughly review the information provided on the subsequent pages, along with the "Safety and Warning Instructions" provided at the outset of this manual.

- To ensure the air treatment system produces good results, it must be installed by professional technicians and maintained in accordance with their operations manual. There are no self-cleaning functions available, but specific cleaning activities are recommended.
- Ensure the range hood is installed in areas away from excessive doors and windows to prevent significant air circulation that could hinder oil removal and smoke exhaust efficiency.
- Installation and electrical circuit setup of the recirculating range hood must be carried out by experienced professionals with proper qualifications. Non-professionals should not attempt to install, dismantle, or repair the range hood.
- Do not connect the power supply to the recirculating range hood before installation to prevent electric shock.
- During kitchen renovations, avoid exposing the range hood to construction materials, dust, paint, coatings, and their volatile emissions, as these can corrode and dull the surface. Install the range hood after completing the renovation.
- If the gas stove needs to be moved before installing the range hood, ensure the gas valve is closed beforehand.
- Do not install the range hood on combustible surfaces. Use non-combustible materials with sufficient strength and a flat surface for installation.
- Take caution when moving, installing, cleaning, or repairing the range hood, as it may have sharp edges. Always wear protective gloves.
- When drilling holes in walls, ceilings, or other surfaces, avoid damaging electrical wiring or concealed devices to prevent the risk of electric shock or fire.
- Ensure the range hood is not installed too high or too low and is not affected by external airflow, as this may decrease its smoke extraction effectiveness.
- Leave adequate space in cabinet construction for easy maintenance and servicing of the range hood.
- During installation, ensure that the range hood is level.
- To ensure safety and a smooth installation process, use the provided accessories for installation. Failure to do so may result in the risk of the recirculating range hood falling.
- If the power cord is damaged, it must be replaced by a professional from the manufacturer, their service department, or a similar authorized entity. Do not modify, stretch, knot, crush, or place heavy objects on the power cord, as it may lead to damage, electric shock, and fire accidents.
- After installation, clean the surface of the recirculating range hood and then connect the power supply for a test run.

Parts Diagram



High Voltage Power Supply

Full Protection Mode Function



Copper Motor Core

Strengthen Air Extraction and Venting Capacity



Dynamic Centrifugal Oil and Fume Separator

High Speed Separator Block Oil Mist



Stainless Steel Purification Filter

Multilayer Purification rate 99%



High End UV Photooxygen

Efficient Removal of Odour and Waste Gas



High Quality Activated Carbon Filter

High Density Ventilation Holes Efficient adsorption

Installation Guidelines

- The recirculating range hood is made with precision materials. Handle with care during transportation to avoid unnecessary external damage.
- Ensure tight sealing at the interfaces, strictly preventing any leaks of water, air, or oil.

Installation Requirements

- The installation of the range hood can be done in two ways: suspended installation using angle iron brackets or standing installation without the need for brackets.
- The range hood must be placed horizontally.
- The placement should not obstruct the surrounding environment and should facilitate future maintenance.
- The range hood must be securely fixed during installation.

Dimensional Requirements

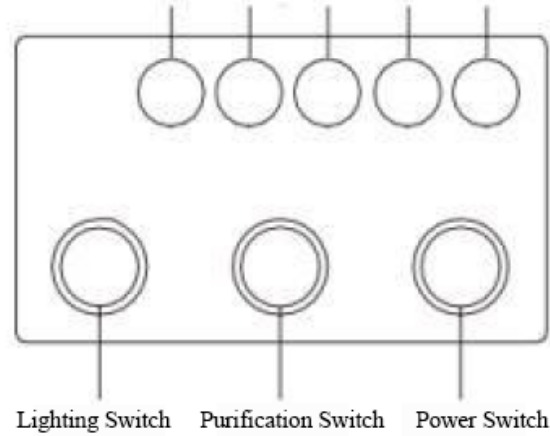
Compliance with AS1668.2-2012 is crucial for indoor suspended installations.

Operating Instructions



Odour Control Level Adjustment Switch

Oil Removal Switch (Turn on completely during operation)



Lighting Switch Purification Switch Power Switch

User Instructions

- Activate the power switch to initiate automatic startup of the fan.
- Once the fan is operating smoothly, engage the odour control switch.
- Assess the usage scenario to determine whether to activate or deactivate the odour control boost feature.

Cleaning and Maintenance

⚠ Warning!

Failure to clean the range hood as instructed may result in a fire hazard.

Cleaning, maintenance, and repair work must be carried out with the power disconnected. Do not allow water to come into contact with electrical components such as the motor, switches, or connectors. Avoid touching the power plug, electrical parts, and power switches with wet hands.

Directly spraying water onto the range hood is strictly prohibited to prevent accidents.

Ensure the stove flame is extinguished when not in use. Do not directly expose the range hood to open flames or use it for direct food grilling, as this may damage the range hood and pose a risk of accidents.

In the event of a damaged power cord, for safety purposes, it must be replaced by professional service technicians.

Precautions

- Disconnect the power supply before performing any maintenance work. Do not handle the range hood while it is powered on.
- The range hood should be regularly cleaned and maintained in accordance with the environmental conditions to ensure cleanliness, performance, and prolong its lifespan. To ensure smooth exhaust of cooking fumes, regularly clean the protective mesh with caution to avoid damage.
- After power is connected, wait for 3 seconds for the device to start operating.
- Maintenance of the hood enclosure:
 - (1) The enclosure is made of stainless steel. Handle with care to avoid collisions or friction with metal wires.
 - (2) Do not hang heavy objects on the enclosure.
 - (3) After prolonged use, the surface of the enclosure may accumulate minor oil stains or dust. Clean with dishwashing detergent and a towel, avoiding the use of brushes for cleaning.

Notes:

- It is generally recommended to clean the electrostatic filter every 3-6 months, depending on usage frequency.
- It is generally recommended to replace the activated carbon every 6 months to 1 year, depending on usage frequency and cleaning effectiveness. Consider replacing activated carbon if you notice odour issues due to diminishing adsorption capacity.

- Avoid touching the light bulb when it is turned on or shortly after it has been turned off to prevent burns.
- Please refer to local regulations for precise cleaning and maintenance schedules for all the components mentioned above.
- When the range hood is not in use for an extended period, please unplug the power plug to ensure its optimal performance. However, avoid forcefully pulling or tugging it.

Troubleshooting Guide

In the event of any operational issues or concerns with the Recirculating Range Hood, this troubleshooting guide offers valuable assistance to identify and resolve potential problems. By following the recommended steps and procedures outlined below to effectively troubleshoot and address common issues, ensuring the optimal functionality and performance of the appliance.

Warning!

Non-professionals should refrain from dismantling, installing, or repairing the recirculating range hood.

In the event of a damaged power cord, to avoid any hazards, it should be replaced by a professional from the manufacturer, repair department, or a similar authorized service.

When using the recirculating range hood in conjunction with gas-burning appliances or other stoves, ensure adequate ventilation.

This product is intended for kitchen use only and should not be used to vent hazardous or potentially explosive substances or gases.

Avoid touching turned on or just turned off light bulbs to prevent burns.

Common Troubleshooting Methods

To address potential operational issues or malfunctions that may arise with the recirculating range hood, refer to the following common troubleshooting methods. These guidelines provide assistance in diagnosing and resolving common problems, ensuring optimal performance and functionality of the appliance.

| Issue | Possible Cause | Troubleshooting |
|-----------------|---------------------------------|----------------------------------|
| Body leakage | Impact on the body, loose welds | Promptly perform welding repairs |
| Body vibration | Motor vibration during rotation | Replace the motor |
| | Loose motor | Secure the motor |
| | Loose body suspension | Tighten the body suspension |
| Increased noise | Faulty separator | Replace the separator |
| | Oil-filled oil collection box | Perform timely oil collection |
| | Loose fan blades | Secure the fan blades |
| | Loose motor screws | Tighten the motor screws |
| | Unstable voltage | Use a voltage stabilizer |

| | | |
|-----------------------------------|---|---|
| Uneven body alignment | Loose screws securing the body causing uneven alignment | Tighten the screws to ensure proper alignment |
| Decreased purification efficiency | Damage to the function box of the purification unit | Replace the damaged component |
| | Separator clogged with grease | Clean the separator |
| | Motor not running | Apply lubricating oil to the motor or replace the motor |
| Circuit breaker tripping | Damaged circuit breaker | Replace the circuit breaker |
| | Motor short circuit | Replace the motor |
| | Short circuit in lighting fixtures | Replace and inspect the lighting fixtures |
| Motor not running | Damaged capacitor | Replace the capacitor |
| | Faulty motor | Replace the motor |
| Smoke not removed | High voltage power supply damage | Replace high voltage power supply |
| | High voltage power supply protection | Lower the voltage |
| | Excessive accumulation of oil in the electric field | Clean the electric field |
| | Loose or damaged wiring | Replace the wiring |
| Increased odour | Malfunctioning ozone module | Replace the ozone module |
| | Saturated ozone adsorption | Expose the module to direct sunlight for restoration |

Please note that the table above provides common troubleshooting methods for specific symptoms. If the issue persists or if you encounter any other problems, please consult a qualified technician, authorized service agent, or contact Dr. AirFresh for further assistance.

General Troubleshooting

In the event of encountering common issues or malfunctions with the recirculating range hood, refer to the following section for general troubleshooting solutions. These methods are designed to assist you in identifying and resolving common problems, ensuring the range hood operates optimally and maintains its intended functionality.

| Issue | Possible Cause | Troubleshooting |
|--|--|------------------------|
| No response when pressing any button (e.g., impeller not rotating, illumination light not turning on) | Power plug not inserted properly, power outage, or ground fault protection triggered | Press the reset button |

| | | |
|---|---|---|
| Illumination light does not turn on when the illumination switch is pressed | Damaged illumination light or poor contact of the illumination light | Replace the faulty illumination light bulb with a new one, check and secure any loose or disconnected wiring for the illumination light |
| Induction or tingling sensation on the surface of the range hood | Poor grounding of the power outlet | Contact a qualified electrician to inspect and rectify the grounding issue. |
| Abnormal noise during impeller operation | Loose impeller, cap not tightened | Tighten the impeller and impeller cap securely |
| No oil dripping into the oil cup after a period of use | The device is not level and is tilted | Level the range hood using a spirit level, position the oil cup correctly, and remove any obstructions or debris blocking the oil flow |
| No response when powered on | Circuit breaker protection failure, malfunctioning keypad indicator light | For damaged power cords or any issues related to the circuit, inspection and repairs should be conducted by professional technicians or electricians. |
| Warning! | | |
| Disconnect the power plug before connecting or replacing. Damaged power cords should only be replaced or repaired by professional technicians or electricians. Avoid sucking flames into the unit to prevent accidents. | | |

For issues not covered in the troubleshooting table or if the problem persists after attempting the provided solutions, it is advisable to seek assistance from a qualified technician, authorized service agent, or contact Dr. AirFresh for professional support and guidance. These experts will provide further troubleshooting steps and address any additional problems that may arise.

Service & Warranty

For any faults that require professional assistance, please contact Dr. AirFresh using the provided contact information at the end of this section. When contacting Dr. AirFresh, kindly provide the model and serial number of your appliance, which can be found on the data plate, to ensure prompt and accurate support.

Service and Warranty Policy

Dr. AirFresh strives to offering an extensive and fair warranty coverage for its entire product range. This warranty is provided solely by the manufacturer and covers any defects in workmanship or materials that result in product malfunction while used in accordance with the manufacturer's guidelines.

Dr. AirFresh warrants to the original purchaser of any product that, for a period of 12 months from the date of purchase, any malfunction caused by defects in workmanship or materials during proper usage will be repaired at no cost, subject to the following conditions:

- Dr. AirFresh reserves the right to reject a warranty claim if it is not completely satisfied with the circumstances surrounding the claim.
- On-site warranty service (if applicable) will be provided for locations within Sydney metropolitan area.
- Customers are responsible for covering any travel expenses for repair services outside metropolitan areas prior to the commencement of the repair.
- Additional fees or labour costs will apply for installations, removals, or repairs conducted outside standard business hours of 8:00 am to 16:30 pm, Monday to Friday, excluding public holidays.

Service and Warranty Exclusions

The following conditions are not covered by the warranty:

- Damages caused by improper use, maintenance, or storage by the consumer.
- Repairs performed by unauthorized personnel or non-factory appointed technicians.
- Lack of valid warranty certificate and proof of purchase.
- Damaged product barcode, altered warranty certificate, or model mismatch.
- Damages caused by natural disasters or other irresistible forces.
- Damage and losses caused by uncontrollable environmental factors such as power supply, water supply, temperature, humidity, and other similar factors are not within human control.
- Malfunctions caused by failure to follow the instructions provided.
- Excluded from the warranty coverage are consumable and wear-and-tear parts, such as switches, oil cups, incandescent light bulbs, lampshades, non-removable washable filters, aluminium-based manganese dioxide modules, etc.

For any unresolved faults, please contact Dr. AirFresh for assistance.

For inquiries about warranty extension, please feel free to contact our Customer Service Centre.

We value your feedback and suggestions regarding our services in various locations. Please feel free to contact our Customer Service Centre to share your valuable insights.

To book a Dr. AirFresh customer service call-out, you can visit our website or send us an email.

Customer Service Centre Address: 1 Alfred Road, Chipping Norton NSW 2170

National Customer Service Hotline: (02) 9755 916, 0420 536 690

Website: www.drairfresh.com.au

Email us: sales@drairfresh.com.au

Our products are exclusively installed and serviced by Dr. AirFresh technicians. In accordance with the Australian Consumer Law, we provide the following services:

- 12 months warranty from the date of purchase.
- After the warranty period, we continue to offer high-quality paid services.

For any issues during product use, we will attempt to respond as soon as possible upon receiving the information.



Warranty Registration Form

To ensure the best possible service, please complete this warranty registration form and email to sales@drairfresh.com.au. Include the model and serial number of the product, as well as any additional required details. FAILURE TO COMPLETE THIS FORM WILL RESULT IN THE INABILITY TO PROCESS THE WARRANTY.

Purchase date:

Purchase from:

Model no.:

Serial no.:

Description of fault: _____

Contact name:

Company Name:

Phone Number:

Email Address:

Street Address:

Suburb:

State:

Post Code:

Opening Hours:

Phone (Site):

Mob (Site):

(Please attach a copy of your tax invoice or delivery docket as proof of purchase)

Please indicate if the following has been checked (tick the appropriate box):

Electrical power supply ☐

External factors affecting performance (e.g., exhaust obstruction) ☐

Note: Warranty service calls are scheduled on weekdays from 8:00 to 16:00, excluding public holidays. Calls outside the specified hours will incur additional charges. Warranty coverage excludes specific items such as glass components, light fittings, any consumable and wear-and-tear components. Charges will apply for claims related to non-covered parts, no faults are found, travel exceeding Sydney metropolitan area, or items not covered under standard terms and conditions. Any charges incurred will be payable on-site using cash on delivery terms or through electronic fund transfer for work security.

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Sustainability by
Engineering,
Environment by
Design

