

INSTRUCTION MANUAL

INDOOR AND OUTDOOR PROFESSIONAL REFRIGERATOR



Instructions for use of the ENVY series

Thank you for choosing this RHINO appliance. It is essential that you read these instructions carefully and keep the booklet in a safe place for your future reference. The booklet contains mandatory safety information as well as essential maintenance routines. Failure to observe the instructions is unsafe and may also invalidate the guarantee.



Caution! Risk of Fire



WARNING!

Refrigeration and electrical repairs must only be carried out by suitably qualified and competent persons.

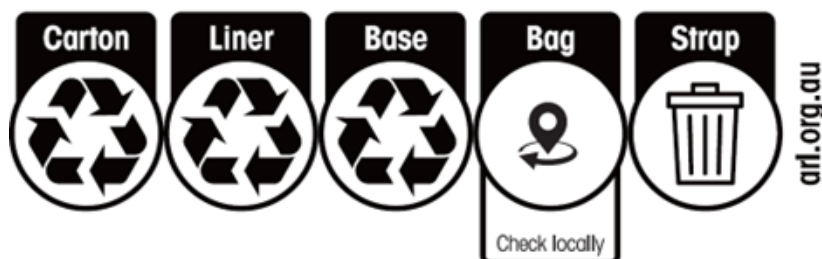
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Important Recycling Information

Bar Fridges Australia now has deleted over 75% of EPS (Expanded Poly Styrene) and replaced with recyclable cardboard. Please note:

- The outer carton, inner padding and base can all be recycled in your local kerbside recycling bin.
- The strap/s is rubbish.
- The plastic bag, may be recycled depending on your local council, however, most still classify as rubbish. Material is LDPE (100%) if you decide to find out locally.



The information within this booklet was correct at the time of printing.
Specifications and information may alter without notice.

1.0 SAFETY AND INSTALLATION

1.1 Safety Information



Warning!
Electrical work must only be carried out by suitably qualified persons.



Rhino models have been rated as Commercial Beverage Coolers. The appliance should not be used for other purposes.

Warning! Please observe the following safety precautions and instructions at all times:

- The maximum environmental conditions for which the cabinet has been rated are defined as CC3 (40.6C and 75% Relative Humidity) and also ISO Climate Class 5 (40C and 40% RH) In practical use the design limits are MAX 43C and MIN -25C.
- This appliance is safety rated for outdoor use at IP24 conditions. These conditions are defined in the European and British Standard BS EN 60529: 1992. The appliance is safe to use in conditions where it may be subjected to “splashing water” from any direction. In practical terms, it is protected from rain. It is not however, protected from jetting water such as from a hose pipe or pressure washer, nor can any part of it be immersed in water, for example if it were to be flooded during heavy rain.
- This appliance must only be connected to a suitably IP rated outdoor power supply that has been installed by a qualified electrician. It is the user's responsibility to ensure that the power socket is fully compliant with the safety code relevant for the country of installation.
- Always disconnect the mains power supply before removing any covers, performing maintenance work, cleaning or making any repairs.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of knowledge if they have been given supervision or instruction concerning the use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children.
- Do not cover the front grille or rear air vents and please observe the installation and setting up instructions described later in this manual. Adequate ventilation must be ensured for the appliance. Keep clear of obstruction all ventilation openings in the appliance enclosure .
- Do not probe any openings in the cabinet and be careful not to touch any moving parts such as the fans, or hot surfaces such as the compressor, or rear pipework; or cold surfaces such as the interior surfaces or the evaporator plate.
- Do not overload the power supply. Always ensure that the power supply is sufficient for the electrical requirements specified on the rating label. The rating label is located inside the cabinet on the side wall. If in doubt, please consult a qualified electrician. Important: Never use adaptors or multi-block extension leads to connect the appliance to the mains power.
- The mains power supply cord and plug top must be examined for damage such as cuts or splits prior to connection to the mains power supply. If any damage is found, they must be replaced using our service agent or a qualified electrician.
- Do not store explosive substances such as aerosol cans with a flammable propellant inside this appliance.
- Do not use any electrical appliances inside the refrigerated compartment of this appliance.

- Do not use any mechanical devices or other means to accelerate the defrosting process. Defrosting is performed automatically by the electronic controller and needs no user intervention.
- Do not damage the refrigeration circuit. If you do so, then open a window or door immediately so as to ventilate the area. The refrigerant gas is highly inflammable, meaning that it can easily be ignited to explosive effect.
- This appliance contains flammable refrigerant within its sealed system and also within the insulation foam. It is mandatory that when the cabinet reaches end-of-life that it be disposed of by a professional recycling organization. It must not be thrown away as general waste.
- The appliance uses LED lighting. The lighting strips and transformer should only be replaced using genuine Rhino parts of the same technical specification.
- Do not exceed the maximum shelf loading weight of 15 kgs per shelf so as to avoid injury or damage.
- Never move or tilt the appliance whilst the power switch is in the “ON” position.
- The appliance must always be earthed.
- The appliance must only be charged with R600a refrigerant from an authorised supplier. To use another type of refrigerant would be dangerous and is not permitted under any circumstances.
- Electrical equipment should not be placed under the unit or where refrigerant could gather in the event of a leak.
- The electrical wiring diagram is to be found on the appliance itself and is located on the right hand side wall.

1.2 Unpacking and positioning (before connecting to the power supply)

- Please read and observe all the warnings and procedures stated in section 1.1. These contain important safety advice concerning the safe positioning of the appliance.
- During all operations, please be careful not to jolt, jar, bump or thump the cabinet. Handle it gently and with care. The refrigeration pipework is delicate and will be damaged by rough handling.
- The appliance is heavy and therefore please carry out a risk assessment prior to beginning this operation.
- Please cut the banding straps taking the necessary precautions to avoid hurting yourself or others. Remove all of the packaging and ensure that it is recycled in accordance with all local laws and regulations. Safety Note: Please pay special attention to the hazard represented by the plastic bag so that it may not be taken by children.
- Please take care not to pinch or damage the power cord in any way. Please examine the power cord for any splits, cuts or damage. If any are found, do not under any circumstances connect to the power supply.
- Using a pair of scissors, please snip and remove the cable ties that are used to secure the shelves in transit.

- The shelves may be adjusted in height by moving the clips that are shown in Figure 1 below. To release the clip, simply squeeze together whilst moving in an upward direction. When re-installing the clip, please make sure it is securely located in the support ladder rack. Always ensure that the shelves are installed level and without tilting.

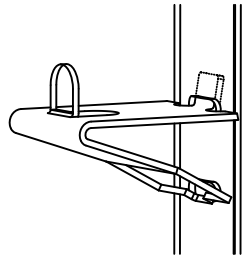


Figure 1

- Caution: Do not exceed the maximum shelf loading weight of 15 kg per shelf.
- Do not place the appliance next to a source of heat or humidity. If this is the required arrangement, then suitable compartmentalisation must be arranged such that the heat from one appliance cannot cross-contaminate the cool air requirements of the other.
- Do not place the appliance in direct sunlight. The location should be shaded.
- Do not place the appliance near to a source of static electricity nor where it may be vulnerable to lightning strike.
- The place of location must be well ventilated and free from sources of ignition. In particular it must not be located where the refrigerant could gather in the event of a leakage from its sealed system. An example to avoid would be if the appliance were to be positioned below ground level, such as in a cellar.
- Please ensure that the appliance is placed on a level surface of sufficient strength to support the weight of the unit when filled to capacity. The levelling feet must be adjusted such that the appliance is perfectly level. This is necessary for the correct operation of the doors and the drainage system. Care must be exercised not to trap fingers when making the adjustments.
- The appliance requires a minimum ventilation space at the sides and top of 10mm. At the rear, 30-50mm is preferred, but 10mm is the minimum. See figure 2. The front grille must be completely unobstructed.

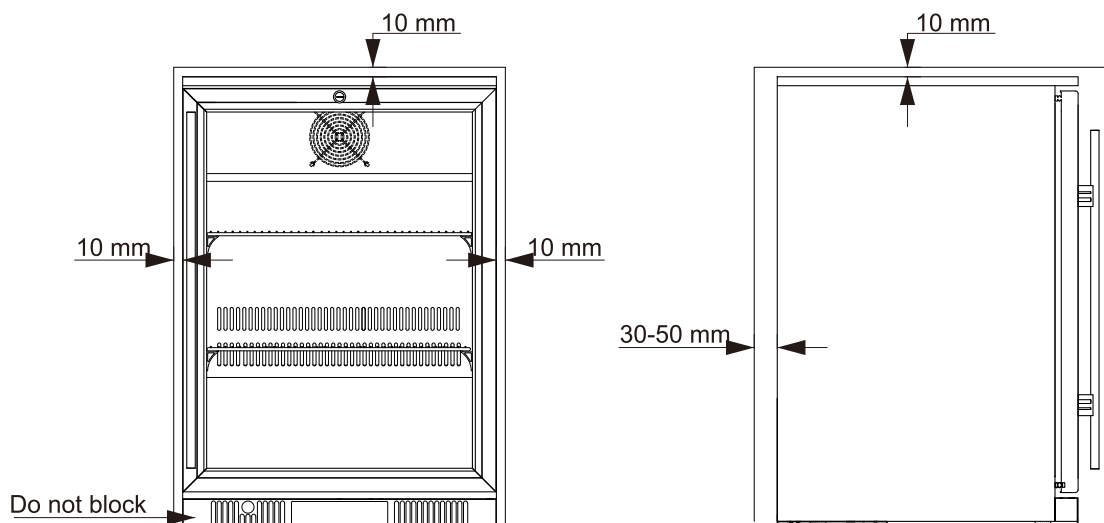


Figure 2

1.3 Connecting the cooler to the Power Supply

- Please observe all the warnings and special procedures explained in sections 1.1 and 1.2.
- If the cabinet has been delivered on its side (not recommended), please allow 24 hours in the upright position before connection to the mains power.
- Please take care not to pinch or damage the power cord in any way. Please examine the power cord for any splits, cuts or damage. If it is unsatisfactory then it must be replaced according to the instructions stated in 1.1.
- Plug in the cooler and turn on the power.
- Switch on the appliance using the red power switch on the front control panel.



Figure 3

2.0 OPERATION

2.1 Operation of the appliance

- The appliance is designed to run automatically. Defrosting is automatic. The condensate water is evaporated automatically by the system.
- Maintenance must be performed according to the procedures detailed in section 3 of these instructions.

2.2 Adjustment of the temperature

- The appliance has been factory set to the chill the bottles to optimum serving temperature. To access the "SET POINT", simply press either of the UP or DOWN arrows on the controller display panel. To adjust the SET POINT, continue to press either the UP or DOWN arrows until the desired SET POINT is achieved. The selected SET POINT will be locked in and the display will revert to the current internal air temperature. Please note that in normal operation, the SET POINT denotes the coldest temperature the air will reach before shutting off the compressor. The air temperature will be allowed to go approximately 4 degrees warmer before the refrigeration is requested to activate again. The temperature of the stored products may not have risen to the same extent as the air temperature.

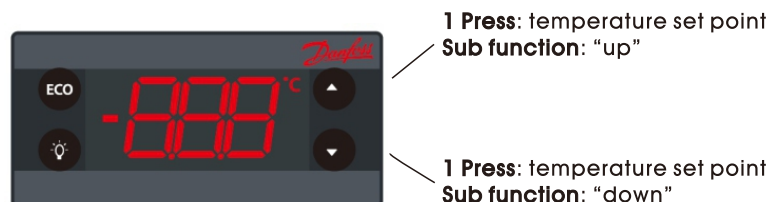


Figure 4

2.3 Lighting controls



Light Switch

I = Blue lighting 0 = Off II= White lighting

Figure 5

- The colour of the lighting may be changed from white to blue using the “green” rocker switch, the middle position of switch is lighting OFF.

2.4 Door heating controls (glass door models only)



Door heater switch (glass door models only)

Figure 6

- The appliance is fitted with heated glass doors that are designed to assist in keeping the glass free of condensation in high humidity conditions. For energy saving purposes, it is recommended to leave the heaters switched off if no condensation is present. Some parts of the appliance may still be warm to the touch, even with the heater switch selected to OFF and this is perfectly normal.

2.5 Condenser fan speed control switch

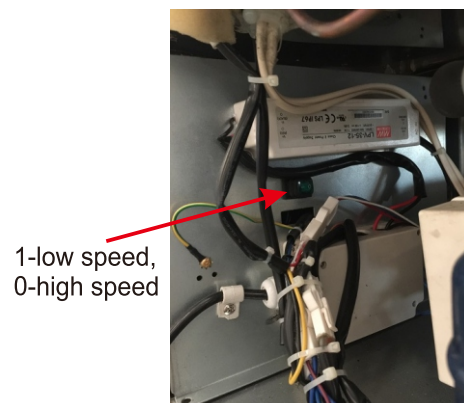
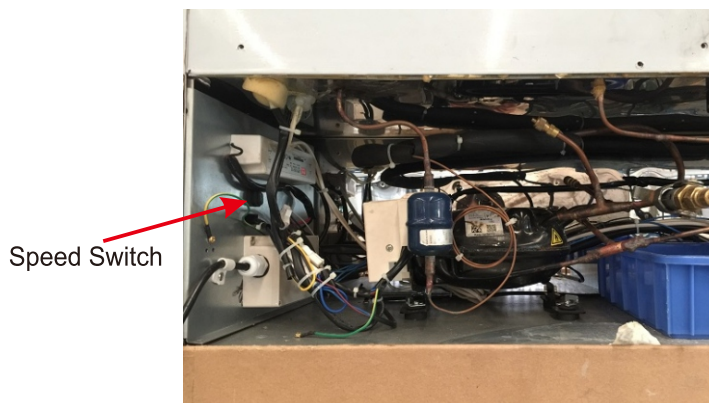


Figure 7

- The speed of the condenser fan may be altered to reduce the noise level. In ambient temperatures of 30C or below, the low fan speed setting may be selected if noise is a concern. If you wish to alter the fan speed, you must first disconnect the appliance from the mains power supply and then remove the rear cover, taking care to observe all the safety precautions listed in section 1.1.

2.6 Eco Mode



Figure 8

The ENVY series of appliances incorporates some of the most energy efficient components currently available. However during periods of non-use, further energy savings may be achieved by selecting “Eco mode” unless food is being stored inside

- To select Eco mode, simply press and hold the Eco button on the controller until the display changes to “Eco”.
- The controller will temporarily alter the set point to 4C higher than the stored Set point selection. Caution: Not suitable for food storage.
- To return the cabinet to Normal mode, press and hold the “Eco” button until the display changes to “Nor”.

3.0 MAINTENANCE

Please observe all of the safety warnings, precautions and instructions set out in Section 1.

3.1 Lighting

- The appliance uses LED lighting strips powered by a low voltage transformer. If replacement is required, please order genuine replacement parts from Rhino. Replacement is a job for an appropriately qualified, skilled and competent person.

3.2 Cleaning the interior and exterior

- The interior should be cleaned and sanitised as often as necessary to ensure food hygiene. Never use an abrasive cleaning material or solution (such as cream cleansers) because they will damage the finish of the stainless steel. The exterior should be cleaned with water and household dish washing detergent, being careful to rub the surface in the same direction as the grain of the stainless steel. The glass should be cleaned using glass cleaning spray. Always observe the instructions of the cleaning solution being used. Caution: Do not use steam, jetting or running water to clean the appliance.

3.3 Cleaning the Condenser



Figure 9: Clean with soft brush or small paintbrush.



Figure 10: Use vacuum nozzle to remove debris and clean up the area.



Figure 11: Example of a clean condenser.

- The condenser is located at the rear of the appliance behind the compressor compartment cover. The function of the condenser is to dissipate the heat that has been extracted from the interior of the cabinet. In order for it to work efficiently, it must be kept clean and free of dust at all times.

- This appliance has a low maintenance condenser that is less prone to blockage than other types. However it is still recommended to check that it is clean and dust free at least every three months.

Step 1: Empty the appliance. Switch it off using the red power switch. Pull it out from its enclosure. Unplug from the mains power supply.

Step 2: Looking at the back of the appliance, remove the screws from the rear compartment cover.

Step 3: Locate the condenser and examine it for dust or debris.

Step 4: Clean the condenser using the nozzle of a vacuum cleaner or a soft brush. Dust that is removed must be cleared away. The condenser is a delicate component and must be treated with great care and respect. Be careful of the fan blades and be sure not to bend or deflect them in any way. NEVER use water in this area.

Note: If the condenser has been contaminated with grease or fat, then a skilled and competent refrigeration specialist will be required to do the cleaning. Do not use the cabinet or plug it back in until the cleaning has been done professionally by a skilled person. A fire hazard may be present.

Step 5: Replace the cover and screws and plug back in to the mains power supply.

4.0 IN THE EVENT OF A MALFUNCTION

- In the event of a malfunction, please be sure only to use a service engineer who is suitably qualified to handle flammable refrigerants and always insist upon genuine Rhino parts. If the appliance is under guarantee, please call the company from whom you purchased the appliance. Always have the serial number to hand. The serial number is located on the inside wall of the appliance.

5.0 DISPOSAL AT END-OF-LIFE

- This appliance contains flammable refrigerant within its sealed system and also within the insulation foam. It must be recycled by a professional, competent, authorised and regulated organisation with expertise in the handling of refrigeration appliances. For further information, please consult your Local Authority.



6.0 CONTACTS

For further information or to obtain genuine spare parts please contact us below.

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