

INSTRUCTION MANUAL

INDOOR AND OUTDOOR PROFESSIONAL REFRIGERATOR



Instructions for use of the GSP Series of indoor and outdoor refrigerators

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.



WARNING!

Any refrigeration repair or any electrical work must only be carried out by suitably qualified and competent persons

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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! All electrical work must be carried Out by suitably qualified persons	 Caution! Risk of Fire  FLAMMABLE GAS 3
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Warning! Please observe the following safety precautions and instructions at all times:

- This appliance is safely rated for outdoor use at IP23 conditions (GSPO & GSP1) and IP34 (GSP2 & GSP3). Please note that it cannot be cleaned by the use of a water jet, nor can any part of it be immersed in water, for example by a temporary flood during a rainstorm.
- This appliance must only be connected to a power supply that has been installed by a qualified electrician. The type of connection to the power supply must be safe for outdoor use and it is recommended that a qualified electrician be consulted prior to outdoor operation.
- Do not use this appliance other than for its intended use as a professional refrigerator.
- 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.
- Any electrical work on the cabinet should only be carried out by suitably qualified, competent and skilled persons.
- 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.
- If the mains power supply cord is damaged, it must be replaced by the appliance manufacturer, its service agent or suitably qualified, competent and skilled persons in order to avoid a hazard. A skilled person is somebody who possesses the appropriate

technical training, experience and valid certifications necessary to be aware of the hazards to which he or she may be exposed and of the measures necessary to minimize the dangers to themselves and other persons. They must also have had the appropriate training and practical experience in the subject sufficient to provide safe and satisfactory performance of their duties.

- 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 is flammable.
- This appliance contains flammable gas within its sealed system and also within the insulation foam. As such it is mandatory that the cabinet is serviced and, at end-of-life, recycled by a professional organisation and skilled persons who have the necessary qualifications, certifications and expertise to do so. If in doubt please consult your Local Authority or contact Rhino.
- The appliance uses LED lighting. The lighting strips and transformer should only be replaced using genuine Rhino parts of the same technical specification.
- 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.
- 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 it is connected to the mains power and running.
- 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.
- If it is necessary to repair the refrigeration such that it needs to be opened or charged then it will be necessary for the technician to possess a Gas Work Authorisation (hydrocarbon refrigerants). Queensland, Australia has particular regulations for such activities.
- The wiring diagram can be found on the appliance itself and is located on the rear of the cabinet.

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.
- The shelves may be adjusted by moving the clips as illustrated in Figure 1 below.



Figure 1

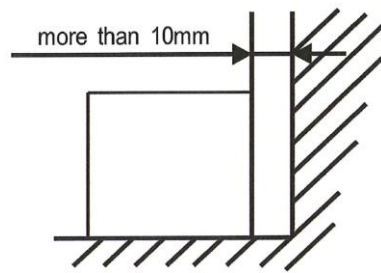


Figure 2

- **Warning:** Do not exceed the maximum shelf loading weight of 15 kgs per shelf so as to avoid injury or damage. Please ensure that the shelf support clips are securely located in to the support strip for safe operations. The shelves may be adjusted by squeezing together the relevant support clips and re-locating in a new position. Please ensure the clips are fully inserted and securely located prior to loading the shelves. The clips should be mounted in such a way that the shelf is level. Failure to do so could result in the shelf falling out of position and would be dangerous.
- This appliance is officially rated to operate in Climate Class 5 Conditions (40 centigrade, 40% Relative Humidity).
- Do not place it next to a source of heat or humidity such as a glass or dish washer, heater outlet, oven or any other potential heat or humidity emitting appliance or structure.
- Do not place the appliance in direct sunlight.
- Do not place near to a source of static electricity or where it is vulnerable to lightning strike.

- The room must be well ventilated and free from sources of ignition. It must not be located in a position where refrigerant could gather in the event of a leak. If it is below ground level then extra precautions may be necessary and an expert should be consulted. In Australia and New Zealand, the provisions of AS1677:2 1998 and subsequent amendments must be adhered to.
- Please make sure the floor is level and even. If the cabinet is not level, hazards and malfunctions may occur including, but not limited to, the condensate water not draining away and the doors not functioning correctly. You may adjust the appliance using the levelling feet, being careful not to pinch your fingers.
- The appliance requires a minimum ventilation space at sides top and rear of 10 mm. The front grille must be completely unobstructed. See Figure 2.

1.3 Connecting the cooler to the Power Supply

- Please observe all of the warnings and procedures stated in section 1.1.
- 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.

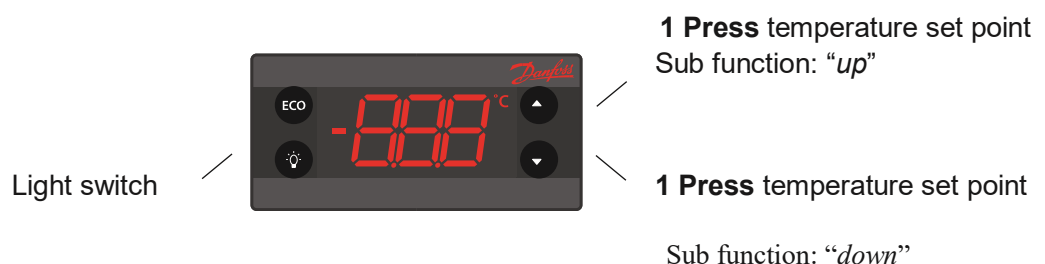
2.0 OPERATION

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. Then simply leave the controller alone. The selected SET POINT will be locked in and the display will revert to the current internal air temperature, in event of power failure your current settings are stored. Please note that in normal operation the SET POINT denotes the coldest temperature that the air will reach before switching off the compressor. The air temperature will be allowed to rise by approximately 4 degrees 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.



2.3 Lighting controls

- The interior light may be switched on or off by pressing the button with the lamp symbol that is to be found on the fascia of the controller.

2.4 Eco Mode

The GSP series of coolers are fitted with some of the most energy saving components currently available, such that even in "Normal" mode they are very economical to run. However for further energy saving purposes during periods of non-use, the user may select ECO mode by pressing and holding the ECO button for several seconds until the display changes to "ECO". When ECO mode is selected, the following will happen:

- The controller display will show "ECO"
- The lights will be turned off.
- The internal temperature will be allowed to rise by approximately 4°C higher than the normal setting temperature. Caution: Do not select ECO mode if food is being stored inside the appliance.
- Whilst the cabinet is in ECO mode, the lights may be switched on and off by use of the light switch button.
- To return the cabinet to NORMAL mode, simply press and hold the ECO button until the display changes temporarily to "NOR". The refrigeration will return the contents to the normal temperature set point .

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 walls and shelves should be cleaned and sanitised on a regular basis so as to ensure hygiene regulations are met. Please do not use splashing, dripping, jetting or running water. Do not use steam. Only a damp or wet cloth should be used in conjunction with appropriate cleaning materials for the task in hand. Always follow the instructions specific to the cleaning materials being used.

3.3 Cleaning the Condenser

●Condenser Cleaning instructions for GSP0 and GSP1 Series:

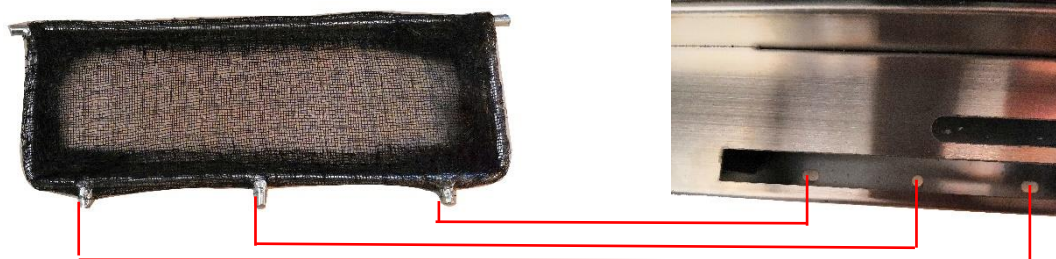
Please open the door of the cabinet and find the air filter which is located in the bottom grille.



Remove the filter by withdrawing upwards being careful not to damage the delicate mesh fabric.

Wash the filter clean under a tap or in a basin.

Dry carefully and replace the filter in its slot being sure that the locating pins engage in the correct position.



Close the door carefully, ensuring that it does not touch the filter.

●Condenser Cleaning instructions for GSP2 and GSP3 Series

⚠Caution! Unplug the cooler from the mains power before proceeding any further.

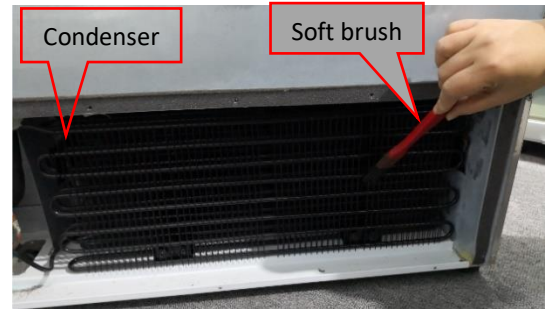


1. Remove the compressor compartment cover by undoing the retaining screws.



2. Locate the condenser

3. Use a soft brush to remove any debris from the condenser. Caution! Never use water in this area. Caution! The condenser is delicate and care must be exercised not to bend or deform the pipework.



4. Clear up the debris by using the nozzle of a vacuum cleaner



5. Refit the rear cover and plug back into the mains power socket.

4.0 IN THE EVENT OF A MALFUNCTION

● In the event of a malfunction, please be sure only to use a suitably qualified, competent and skilled refrigeration service engineer and 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 found on the inside right hand side wall and is accompanied by a bar code

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:

Bar Fridges Australia

Tel: +61 3 5337 6399

Email: sales@bar-fridges-australia.com.au

www.bar-fridges-australia.com.au

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