

Original Instructions



Commercial Refrigerator for both indoor and outdoor use, suitable for tropical conditions.

GSP0H

GSP1H

GSP2H

GSP3H



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!

Repairs of any kind must only be performed by suitably qualified, skilled, and competent persons.

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1. 0 SAFETY AND INSTALLATION

1.1 Safety information

This appliance has been tested to ISO 23953-1:2015 and ISO23953-2:2015 as a Refrigerated Display Cabinet under the Greenhouse and Energy Minimum Standards (Refrigerated Cabinets) Determination 2020. The results are registered at the official GEMS website.

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

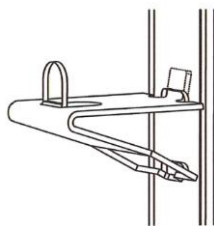
- This appliance is safety rated for outdoor use at IP24 conditions (EN60529 Definitions), meaning that it is protected against 'splashing water'. Please note that it cannot be cleaned using a hose, nor any kind of jetting water. Nor can it be immersed in water, for example during a temporary flood caused by a rainstorm.
- This appliance must only be connected to an appropriately IP Rated power supply that has been installed by a qualified electrician. Regulations state that it must further be protected by an RCD (Residual Current Device).
- Do not use this appliance other than for its intended use as a refrigerated display cabinet.
- 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. Do not 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 immediately open a window or door 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 the hermetically sealed system needs to be opened, then a Gas Work Authorisation (hydrocarbon refrigerants) may be required to satisfy State and National Regulations.
- Keep clear of obstruction all ventilation openings in the appliance enclosure or in the structure for building-in.
- The wiring diagram is located on the rear of the appliance.

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 installation and operation.
- The appliance is heavy, therefore please carry out a risk assessment prior to commencement of this operation.
 - Please cut the banding straps taking the necessary precautions to avoid hurting yourself or others. Remove the packaging and ensure that it is recycled in accordance with 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 prior to connection to the power supply.
- The shelves may be adjusted by moving the clips.

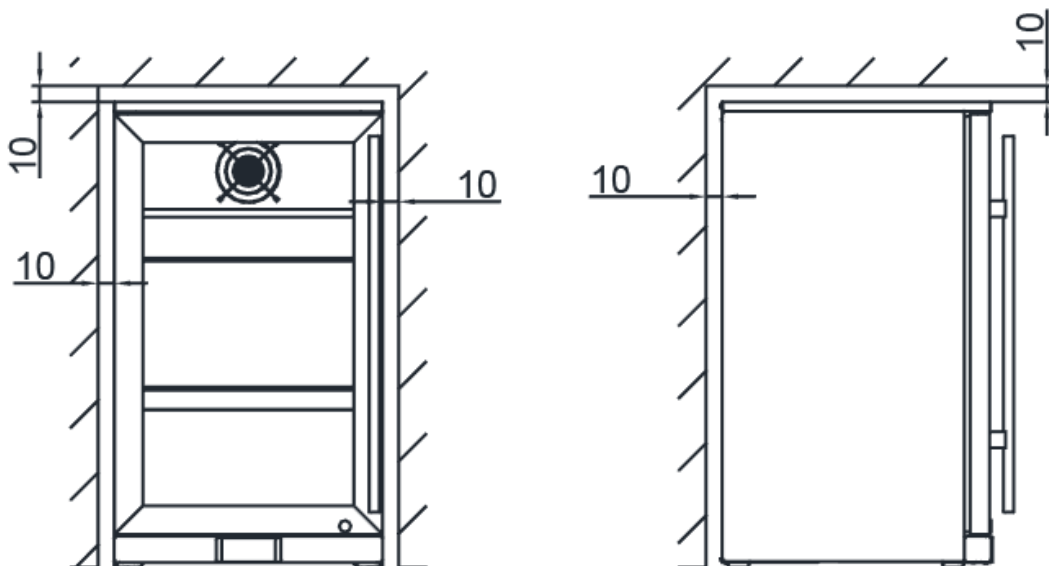


- **Warning:** Do not exceed the maximum shelf loading weight of 15 kgs per shelf to avoid injury or damage. Please ensure that the shelf support clips are securely located into the support strip for safe operations. The shelves may be adjusted by squeezing together the relevant support clips and re-locating 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.

- 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 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 location must be well ventilated and free from sources of ignition. It must not be placed where refrigerant could gather in the event of a leak. If it is in a basement, below ground level, then extra precautions may be necessary and an expert should be consulted.
- 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.



1.3 Connecting the cooler to the Power Supply

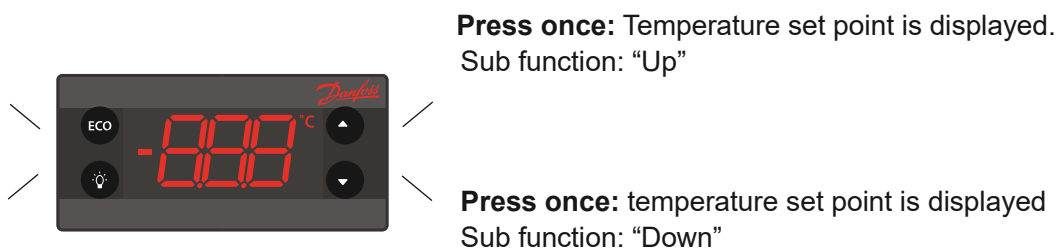
- Prior to connection to the power supply, please ensure that you have adhered to all the warnings and procedures in the preceding sections.
- Please take care not to pinch or damage the power cord in any way. Please examine the power cord for any splits, cuts or damage. If it is unsatisfactory then 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 Temperature 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 displayed. 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.

Please note that in normal operation the Set Point denotes the coldest temperature that the air will reach before switching off the compressor. Having reached the Set Point, the air temperature will be allowed to rise by approximately 4 degrees before the cooling starts again. In time, the temperature of the stored products will reach the Set Point Temperature.

2.3 Lighting controls

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

2.4 Eco Mode

The GSP series of coolers is fitted with some of the most energy saving components currently available so 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 Set Point 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 using the light switch button on the controller.
- 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 safety warnings, precautions and instructions set out in the preceding sections.

3.1 Lighting

- The appliance uses LED lighting 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 to ensure hygiene regulations are met. Only a damp or wet cloth should be used in conjunction with appropriate cleaning materials for the task in hand. Always follow the instructions supplied with the cleaning materials being used. Please do not use splashing, jetting or running water. Do not use steam.

3.3 Cleaning the Condenser

●Condenser Cleaning instructions for model GSP0 only:

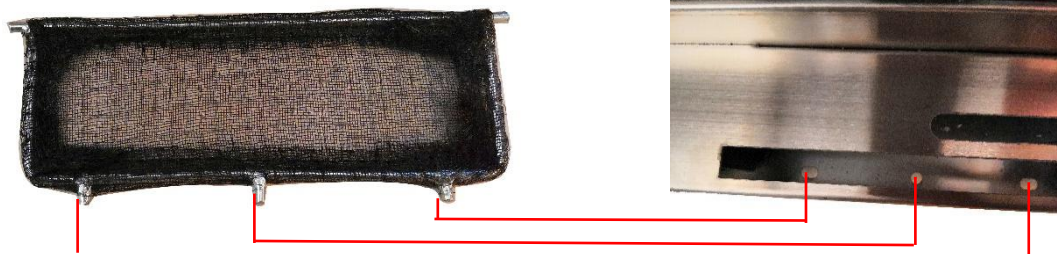
Please open the door of the cabinet and find the air filter which is located in the bottom grille.



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 models GSP1, GSP2 and GSP3.**

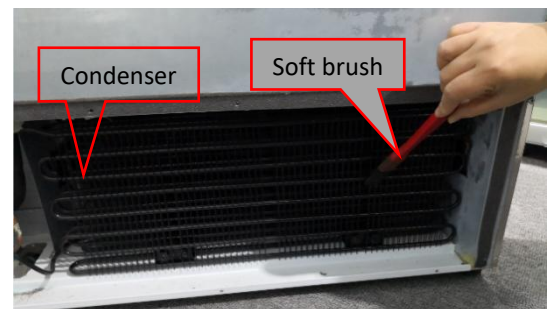
Caution! Unplug the cooler from the mains power before proceeding any further.



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. The condenser is delicate and care must be exercised not to bend or deform the pipework.



4. Clear up the debris using the suction 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, authorized and regulated organization 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:

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

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The information within this booklet was correct at the time of printing.

Specifications and information may alter without notice.

