



ORIGINAL INSTRUCTIONS

This manual covers instructions for the following base models and their variations:

SG0	Single door under-counter cooler
SG1	Single door under-counter cooler
SG2H	Double hinged door under-counter cooler
SG2S	Double sliding door under-counter cooler
SG3H	Triple hinged door under-counter cooler
SG3S	Triple sliding door under-counter cooler
SGT1	Tall upright single hinged door cooler
SGT2	Tall double hinged door cooler

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 will also invalidate the guarantee.



WARNING!

Any repairs or replacements, especially of a refrigeration or electrical nature, 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 designed for use as a Commercial Beverage Cooler and is intended for indoor use only.
- The maximum environmental conditions for which the appliance has been designed are defined as Climate Class 4 (30°C / 55% Relative Humidity).
- 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 experience and 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 or in the structure for building-in.
- Do not probe any openings in the cabinet and be careful not to touch any moving parts such as the fans.
- 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.
- 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 refrigerant 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 using skilled persons in possession of 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.
- 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 located inside the cabinet on the side wall.

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

- 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 examine the power supply cord and plug top for splits or damage. If the power supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard. The appliance must not be connected to the power supply if damage is present.

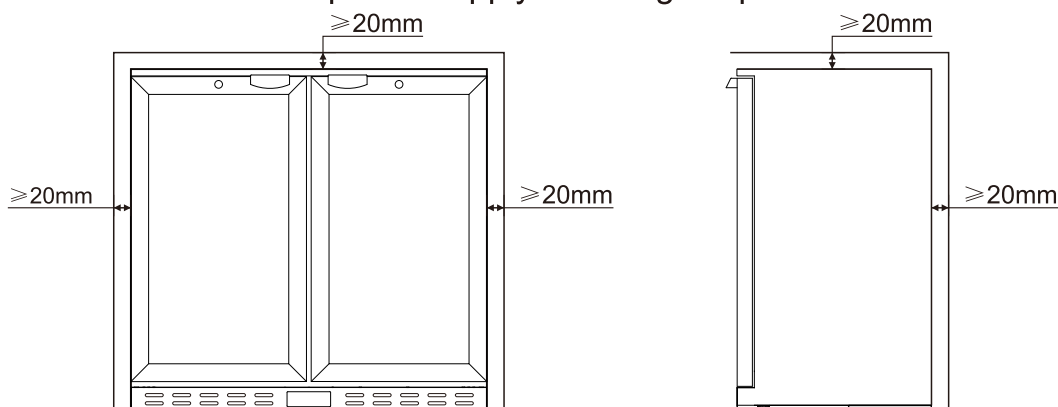


Figure 1

- As shown in Figure 1, the appliance must have a minimum ventilation gap of at least 20mm at sides, top and rear. (Models SGT1 and SGT2 must also have the rear spacers fitted to the compressor compartment rear cover. Note: Spacers are supplied with fitting instructions in a separate bag that has been placed inside the cooler). The front grille must be completely unobstructed. Please avoid placing it next to any source of heat or humidity such as a heater outlet, a glass washer or ice making machine. If installing within a run of several cabinets side-by-side, then it is advised to have them in individual compartments to avoid re-circulation of the waste hot air.
- Please ensure that the cabinet is installed level without twisting. If the doors are not level then the cause may be an uneven surface. The appliance is supplied with adjustable feet for the purpose.
- Do not place the appliance in direct sunlight, near to a source of static electricity or where it may be vulnerable to lightening strike.
- The room must be well ventilated and free from sources of ignition. It must not be located where the refrigerant gas could gather in the event of a leak. It is not advised to place it below ground level.

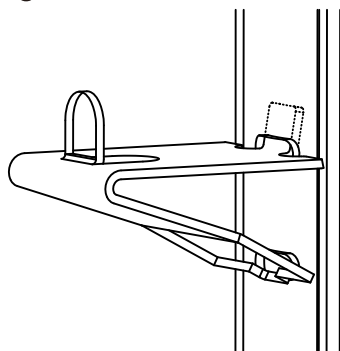


Figure 2: Adjustment of the shelf support clips

- If you require to move the shelves, the support clips can be adjusted by squeezing together and angling upwards as can be seen in Figure 2. Please do not exceed the maximum shelf weight of 15 kgs.

1.3 Connecting the cooler to the Power Supply

- If all the procedures and warnings have been adhered to in sections 1.1 and 1.2, then please plug in the appliance to the mains electricity supply and switch on the power.
- Switch on the red power switch on the control panel of the appliance as indicated in Figure 3 below. There will be a short delay before the compressor motor starts up.

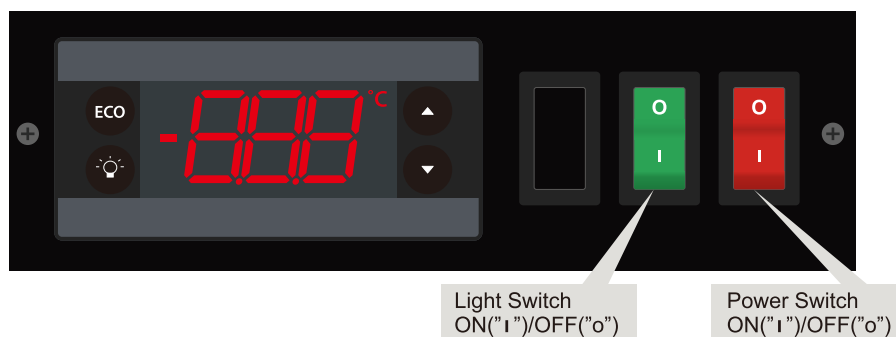


Figure 3: The control Panel

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

2.2.1 Directions for the SG under-counter models, SG0, SG1, SG2 and SG3

- The appliance is fitted with an electronic controller and has been factory set to an optimum beverage cooling temperature known as the “Set Point”. Should you wish to alter the Set Point, please follow the steps below, referring to buttons indicated in Figure 4:



- Set** Press and hold for 5 seconds to enter the menu.
- Defrost (DEF)** To activate a manual defrost, press this button.
- Up (UP)** Increases the parameter value.
- Down (DOWN)** Decreases the parameter value.

Figure 4: Fascia of the control panel

- Step 1: Press and hold the Set button for 5 seconds to enter the User Menu.
The code “St” will appear.
- Step 2: Make a short press on the Set button to display the currently stored Set Point temperature.
- Step 3: Press the Up or Down arrow buttons to select the desired cooling temperature.
- Step 4: Make a short press on the Set button to lock in the value.
- Step 5: Press  to exit the Menu.

2.2.2 Directions for the tall upright models SGT1 and SGT2

- The appliance is fitted with an electronic controller and has been factory set to an optimum beverage cooling temperature known as the “Set Point”. Should you wish to alter the Set Point, please follow the steps below, referring to buttons indicated in Figure 5:



Figure 5: Fascia of the control panel

Changing the desired temperature Set Point:

Step 1: The display shows the current temperature.

Step 2: A short press of either the Up or Down arrow will display the current Set Point temperature.

Step 3: Press "up/down" to adjust Set Point.

After 30 seconds, the display automatically reverts to showing the current temperature.

2. 2. 3 Eco Model Energy Saving Operation

The appliance can be placed into ECO mode to save energy. During ECO mode the inside temperature is allowed to rise a few degrees warmer than the Set Point and the fans are managed differently to reduce power demand. To enter ECO mode, press and hold the ECO button as indicated in Figure 5. Having done a long press of about 5 seconds,, the display will change to "Eco" and this will indicate the status of the appliance. To return to NORMAL mode, simply press and hold the ECO button (about 5 seconds) until the "Nor" is temporarily displayed followed immediately by the internal air temperature. This indicates that the appliance is back in its normal running condition.

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 must only be performed by a person with appropriate professional certifications.

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 (Under-Counter Models)

The following instructions apply to models SG0, SG1, SG2 and SG3.

- 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 inside the cabinet. It must be kept clean and free from dust at all times. Cleaning is recommended at regular intervals at least every three months. An appliance with a clean condenser will use less power and it promotes longer component life.

- To clean the condenser, please adhere to the following procedure:
Caution! Components may be very hot and some surfaces may be sharp.
- Step 1: Empty the appliance. Switch it off using the red power switch on the control panel (See Figure 3). Pull out the appliance from its enclosure and unplug from the mains power supply.
- Step 2: Looking at the back of the appliance, remove and set aside the fastening screws from the compressor compartment cover. See Figure 6 below.

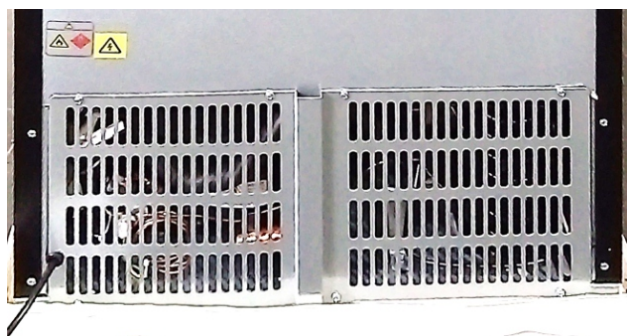


Figure 6: Compressor compartment cover

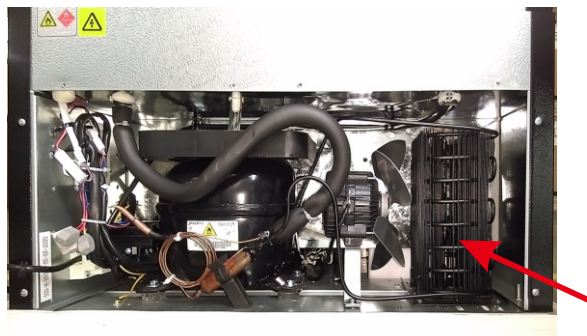


Figure 7: Identify the condenser

Step 3: Locate the condenser and examine it for dust and debris. See Figure 7 above.
Caution! It may be hot.

- Please see below examples of a condenser in need of cleaning:



Figure 8: Heavily blocked condenser.



Figure 9: Lightly soiled condenser.

Step 4: Using a soft household brush or a small paintbrush, clean away the accumulated dust and dirt. See Figure 10 below.



Figure 10: Clean with soft brush or small paintbrush.

Caution! The condenser is a delicate component and care must be taken to avoid bending or scratching the pipework. Also take care not to bend or deflect the fan blades. Never use water in this area. If the condenser is contaminated with grease or fat, then a professional refrigeration specialist will be required to carry out the cleaning. In such a case do not use the cabinet or connect it to the power supply as a fire hazard may be present.

Step 5: Vacuum up the debris. See Figure 11 below.



Figure 11: Use vacuum nozzle to remove debris and clean up the area.

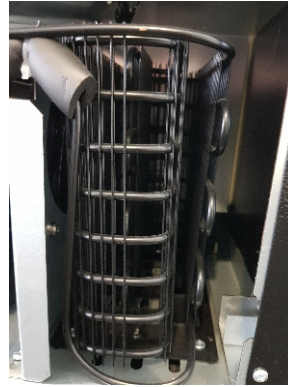


Figure 12: Example of a clean condenser.

Step 6: When the condenser is clean (see Figure 12 above), refit the compressor compartment cover and return the cabinet to service.

3.4 Cleaning the Condenser (Tall Upright Models)

To clean the condenser for the models SGT1 and SGT2, please follow the directions in 3.3 with the following modification to the procedure. On the tall upright models, the condenser is accessed from the front by removal of the front grille using a star headed screwdriver. See Figure 13.

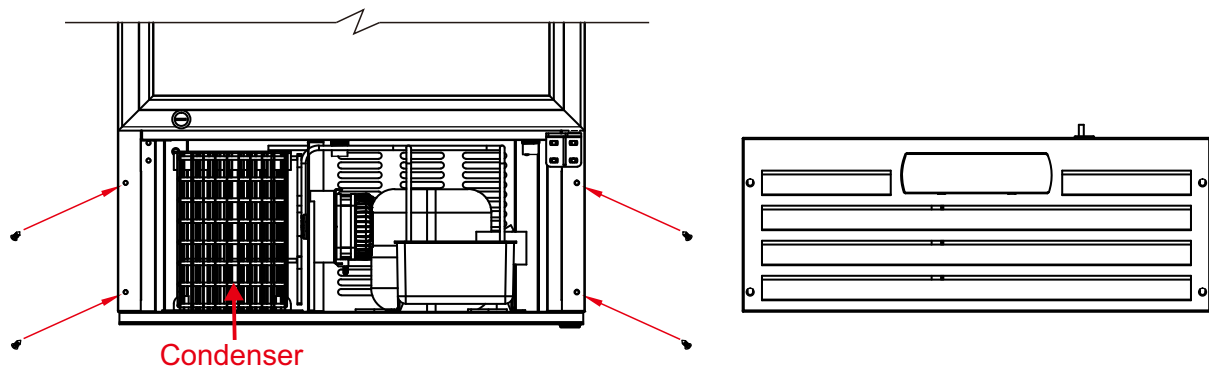


Figure 13

Ensure that the grille is properly refitted using all the screws prior to reconnecting to the power supply.

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 located on the inside wall of the refrigerated compartment.

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:
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