

# NovaChill

## Refrigeration



### **OPERATION/WARRANTY MANUAL**

*Please keep this booklet safe with your equipment for future reference*

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# Start Up

Always make sure the NovaChill cabinet is on flat stable ground and that the ground is level

Always make sure the packaging is removed from the cabinet

Make sure there is suitable ventilation around the base & rear of the cabinet

Allow cabinet to be turned on for 1 hour before goods are put into the cabinet

The cabinets are always pre set before they leave the warehouse

1. Freezers are set at  $-20^{\circ}\text{C}$  and will run between  $-20^{\circ}\text{C}$  to  $-15^{\circ}\text{C}$
2. Fridges are set at  $0^{\circ}\text{C}$  and will run between  $0^{\circ}\text{C}$  to  $+5^{\circ}\text{C}$

Cabinets are fitted with an on/off switch on the front panel, this controls power to the cabinet.

- Power switch is green
- Light switch is red

Always make sure to disconnect from power source whenever works are carried out on the cabinet.



# Safety Instructions

- ⦿ Make sure you connect the NovaChill cabinet to its own main power supply circuit. **DO NOT PLUG** into a power-board or double adaptors with other equipment on them.
- ⦿ The cabinet must always be installed indoors and never exposed to rain or bad weather conditions or direct sunlight.
- ⦿ Do not obstruct any vents on the cabinet
- ⦿ Do not overload shelving, approx. 25kg per shelf evenly distributed
- ⦿ When moving the cabinet, always have the cabinet empty and have at least 2 people
- ⦿ Never hose or flush the system with water

## Ventilation

To maintain efficiency in power and longevity of the cabinet, suitable ventilation is imperative. All cabinets have condenser systems mounted at the bottom of the cabinet, it is a **MUST** to have a 100mm space at the rear of the cabinet from the wall to let the hot air vent out. It is a **MUST** to not block the front grill at all on the cabinet. This requires full necessary airflow to be drawn in by the system.

**Room Ventilation:** The cabinets must only be installed in rooms that are well ventilated. Do not install into tight spaced rooms with no fresh ventilation at all and can't dissipate the heat that is generated by these cabinets.

By not following these steps above, you can void your warranty.

# Cleaning Condensers

Cleaning the condenser on your NovaChill cabinet is the most important maintenance you can do to keep the cabinet running efficiently. This only needs to be done on the **FREEZER** models Monthly and **FRIDGE** models Yearly. Failure to do this will shorten the life of the cabinet and will void your warranty.

*You will need the following tools:* Phillips Head Screwdriver (Star Head), Dust Pan and Brush or Vacuum

**STEP**  
**01** Turn off the cabinet on the power switch or turn off at the wall

**STEP**  
**02** You'll need to remove the base grill at the bottom of the cabinet. There will be 2 screws on each side of the grill.  
**NOTE:** on a 2 door there will be 1 screw on top of the grill and on 3 doors there will be 2 screws on top of the grill. Pull the grill off once you have the screws out and put all parts in a safe place.

**STEP**  
**03** **FRIDGE:**  
For fridges they don't have magnetic filter screens, you can just brush off any dust from the front of the condenser pipe tubes with a soft brush.

**FREEZER:**  
Take the magnetic filter screen off the condenser and clean all the dust off this. You can run this under water or clean off with a brush. If there is any dust on the condenser fins, you must clean this off with a brush or vacuum cleaner ONLY.

**STEP**  
**04** Put the magnetic filter screen back onto the condenser again. Put the base grill back on and tighten up the screws.

**STEP**  
**05** Turn the power back onto your cabinet. This could be from the power switch at the front or at the wall.

## Cleaning of Cabinet

Cleaning of the inside of the NovaChill cabinet can be done monthly with a mild detergent and suitable for food goods. Make sure you always clean the water off the stainless-steel floor of the cabinet.

# Warranty

Your NovaChill Refrigeration cabinet comes with a 4 years parts (48 Months) and 2 years labour (24 Months) warranty that is covered Australia wide. This warranty starts from the date of purchase and is only available for the end-user who has made the purchase of goods. Warranty is non-transferable.

To Claim a warranty, you will need to provide a copy of your cabinet model number, serial number (Front on the left side wall inside the cabinet), and proof of purchase (EG: Copy of Invoice).

All warranty work will take place from Monday to Friday during business hours 9am to 5pm excluding any public holidays.

All warranty work must be organised / authorised by NovaChill Refrigeration.

NovaChill Refrigeration will not pay / reimburse any work that is organised by the owner of the cabinet unless authorised in writing first.

## **Excluded from Warranty:**

1. Glass breakage
2. Signage
3. Door seals / gaskets
4. Misuse, accidents or Acts of God
5. Damage resulting from failure of electrical power or water damage
6. Change of controller parameters without authorisation
7. Condenser fans motors if the condenser hasn't been cleaned monthly
8. Compressor failure from a dirty condenser

NovaChill Refrigeration doesn't cover stock lost if a cabinet does break down. NovaChill Refrigeration recommends to have stock loss insurance to cover loss of stock.

# Troubleshooting

**Problem:**

The cabinet not maintaining correct temperature levels.

**Action:**

- Make sure the condenser is clear from dust – Check the “Cleaning Condensers” in this manual to see instructions on how to clean.
- Check to make sure you have not overloaded the cabinet with boxes / product to restrict airflow.
- Make sure the doors are all closed and not left open.
- Check the door seals around the frame to make sure they are all sealing.

**Problem:**

Wish to make my cabinets temperature colder or warmer.

**Action:**

- Your NovaChill cabinet comes pre-set with the ideal temperature range
- Freezers are set at  $-20^{\circ}\text{C}$  and will run between  $-20^{\circ}\text{C}$  to  $-15^{\circ}\text{C}$   
Your product will be at an average temperature of  $-18^{\circ}\text{C}$
- Fridges are set at  $0^{\circ}\text{C}$  and will run between  $0^{\circ}\text{C}$  to  $+5^{\circ}\text{C}$   
Your product will be at an average temperature of  $+2^{\circ}\text{C}$   
Call NovaChill if a change of temperature is required

**Problem:**

The freezer has got ice built up in the back of the cabinet near the top

**Action:**

This would only happen if the defrost drain heater has failed. A technician will need to be called out to replace drain heater.

**Problem:**

The cabinet has become noisy.

**Action:**

- First find out where the noise is coming from. Is it inside the cabinet or on the bottom of the cabinet.
- A low level noise could be from a loose or rattling condenser cover or just the compressor running.
- A loud high pitch noise could be the fan motors and would need a technician to check these.

**Problem:**

The controller on front is displaying a "DF".

**Action:**

- This is normal, the cabinet is on a defrost cycle and will go back to normal in 30 minutes or less. The cabinets must do a defrost cycle every 6 hours.

**Problem:**

The controller on front is displaying a "E1" or "E2".

**Action:**

- A temperature probe from the controller is at fault and a technician is needed for replacement part.

**Problem:**

The controller on front is displaying a "dA".

**Action:**

- This is the door not fully closed correctly, please make sure all doors are closed with the door seals making contact against the frame of the cabinet.
- If the cabinets continues to "dA" with the door shut, a technician is required

**Problem:**

The LED lights in the display sign or inside the cabinet are not working.

**Action:**

- Please check the light switch on the front of the cabinet. If this switch is on, the light issues could be from a light switch fault or electrical issue. Please contact us / refrigeration technician for repairs.

## Locking the Doors

Your NovaChill cabinet comes with a pair of keys to be able to lock / unlock the doors on the cabinet. All locks are the same and use the same key. It is recommended to not lock the doors in case the key is lost. The lock is on the front of the grill and just below each door.



# NovaChill Refrigeration Specs

Model Code	Number of Doors	Litre Capacity	Dimensions (mm)	Temperature Range
SM300GF	1	300	615x610x1600	0°C to +4°C
SM400GF	1	400	650x660x1930	0°C to +4°C
SM400GZ	1	400	650x660x1930	-20°C to -16°C
SM600GF	1	590	685x800x2115	0°C to +4°C
SM600GZ	1	590	685x800x2115	-20°C to -16°C
SM1300GF	2	1320	1382x800x2115	0°C to +4°C
SM1300GZ	2	1320	1382x800x2115	-20°C to -16°C
SM2000GF	3	2050	2079x800x2115	0°C to +4°C
SM2000GZ	3	2050	2079x800x2115	-20°C to -16°C

*NovaChill Refrigeration Cabinets are suitable for all products types below*

## **Fridge:**

General Food Products:	0°C to +4°C
Dairy and Drinks:	0°C to +5°C
Fresh Fruit and Vegetables:	+4°C to +8°C
Fresh Meat and Package Meat:	0°C to +4°C
Chocolates:	+10°C to +15°C
Flowers:	+6°C to +10°C
Fresh Pet Meat	0°C to +4°C

## **Freezer:**

General Frozen Food Products:	-20°C to -16°C
Ice Storage and Display:	-12°C to -8°C
Frozen Meat and Package Meat:	-20°C to -16°C
Frozen Pet Meat:	-20°C to -16°C





## Contact

For any warranty claims or spare parts, you can contact NovaChill Refrigeration directly or your local dealer where you purchased from.

**Phone: (03) 5622 0194**

**Email: [sales@novachill.com.au](mailto:sales@novachill.com.au)**

**[www.novachill.com.au](http://www.novachill.com.au)**

### Castors/Wheels

The NovaChill cabinets come with front lockable castors / wheels to lock the cabinet into place. The following NovaChill cabinets come with the number of castors / wheels below:

- **Single Door Cabinets** – 2 Front Lockable Castors/Wheels, 2 Nonlockable at rear
- **Double Door Cabinets** – 2 Front Lockable Castors/Wheels, 2 Nonlockable at rear
- **Triple Door Cabinets** – 2 Front Lockable, 1 Front Nonlockable Castors / Wheels, 2 Nonlockable at rear

### Glass Doors

The front glass door on your NovaChill cabinet is all heated glass, this means when there is any condensation in the air. Moisture will not form on your glass. This is a built-in feature and doesn't require to be turned on or off.

### Spare Parts

If your NovaChill cabinet requires any spare parts, please contact us directly

# NovaChill

## Refrigeration

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Phone: (03) 5622 0194  
Email: [sales@novachill.com.au](mailto:sales@novachill.com.au)  
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