

TCE1000

SKOPE Two Door Upright Fridge





SKOPE Warranty Protection

Register now for peace of mind

It's quick and simple. Take a few minutes to register your SKOPE product and enjoy more efficient support plus other warranty benefits. When registering, make sure you have your cabinet serial number at hand.

To register online:

Visit our website at www.skope.com/warrantyprotection then complete and submit the online registration form.



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SKOPE 1-year Extended Warranty

Extend your Warranty Protection by 1 year during registration. Please check you have not already organised an extended warranty through your dealer at time of purchase. For pricing information on an extended warranty visit www.skope.com/warrantyprotection

Service & Support

We know you will get years of satisfaction from your new SKOPE product when you follow a few simple preventative maintenance guidelines.

Helpful information is available on our website
www.skope.com/serviceandsupport



Thank you for purchasing a SKOPE refrigeration product.

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1 Installation

Safety First Always observe safety precautions when using any electrical appliance. Read these instructions carefully and retain them for future reference.

- Do **not** use this appliance for other than its intended use.
- Do **not** cover the grilles or block the entry or exhaust of airflow by placing objects up against the refrigeration unit.
- Do **not** probe any opening.
- Only use this appliance with the voltage specified on the cabinet rating label affixed to the refrigeration unit.
- Ensure the appliance has adequate ventilation as this is essential to economical, high performance.
- Be careful not to touch moving parts and hot surfaces.
- For your own safety and that of others, ensure that all electrical work is done by authorised personnel.
- If the power supply flexible cord becomes damaged, it must be replaced by an authorised service agent or similarly qualified person in order to avoid a hazard.
- Ensure all necessary safety precautions are observed during installation or removal of the refrigeration unit.
- The appliance is not designed to be stable while in motion. Use extreme caution when moving or transporting it.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- Please contact SKOPE Customer Services for advice regarding disposal of this appliance.

CAUTION

Never overload the power supply, which could damage the chiller and product. See the rating label inside the cabinet for the safe power supply and current draw.

WARNING

Always unplug the chiller from the mains power supply before cleaning or maintenance.

Positioning the Cabinet

Chiller Location The location of the chiller may be the single most important decision that will extend its life and ensure economical, high performance. Allow space for the doors to open and close properly. Self-closing doors have internal torsion bars pretensioned at the factory. Ensure the cabinet is on a level surface so that the door shuts and correctly seals, and that the doors are unobstructed. Level footing also prevents the condensate tray from overflowing.

The chiller is designed to keep an internal temperature range of 0°C to 5°C in environments up to 35°C. Operation in environments above 35°C will result in excessive product temperatures and energy consumption, and will void warranty cover.

The chiller has been tested for electrical safety to climate class 5 (40°C @40% relative humidity).

Power Cord The power cord exits from the top rear of the cabinet and is fitted with a 3-pin plug. Pull the power cord around so that it's not trapped before you position the cabinet.

Ventilation A minimum 300mm ventilation clearance must be provided above the chiller. Never store cardboard cartons or other items on top of the refrigeration unit.

IMPORTANT

Ensure minimum ventilation clearances are met.

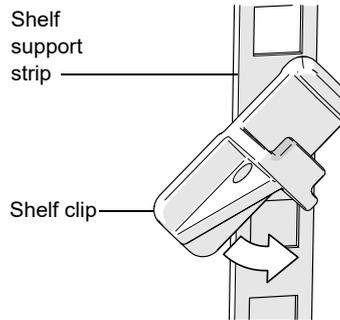
Shelves

The chiller is fitted with four layers of wire shelves which may be positioned at different heights to suit various products.

Shelf Clips Each wire shelf is held in place with six shelf clips, which engage in the shelf support strips.

To fit a shelf clip

1. The shelf clip twists onto the shelf support strip. Locate the square pin on the back of the clip into the support strip, and twist the clip so that it sits level and locks in place.



Repositioning Shelves When repositioning standard shelves, unload and remove the shelf, establish the desired position and slide the shelf clip in each of the shelf support strips to the desired position. Sit the shelves on the shelf clips.

2 Operation

Automatic Start-Up

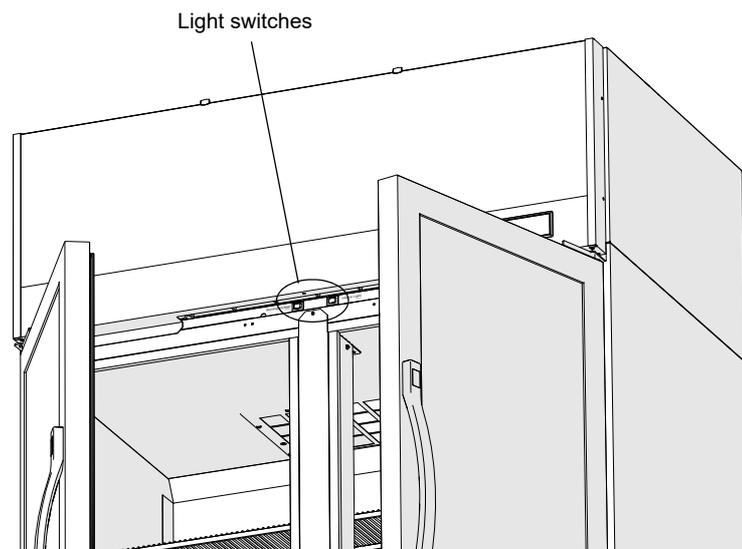
After the cabinet has been positioned in a suitable place, plug it in and check the following activity.

Item	Activity
Electronic Controller	An electronic controller runs the chiller and is visible in a cutout below the sign. The display panel on the electronic controller shows the cabinet internal temperature.
Lighting	The lights that illuminate the sign and cabinet interior will come on a few seconds after the chiller is turned on. If the lights do not come on, check the light switches below the sign and switch them on (see "Lighting" below).
Refrigeration System	The refrigeration system will start a few seconds after the chiller is turned on. To verify, listen for the compressor and check that the refrigeration system light is lit on the electronic controller. Note: If the cabinet is powered on and off repeatedly, the compressor may enter protection mode and stay off for 5 minutes.

Lighting

The cabinet interior and sign are lit by LED lights. The lights can be switched on and off using the light switches below the sign.

The cabinet and sign LED lights are all non-serviceable and must not be tampered with in any way. If a light is suspected of being faulty, arrange a service call.



Loading Product

Let the chiller run 30 minutes before loading it with product the first time.
When loading the shelves with product:

- Allow adequate air space around each item to ensure even cooling and efficient operation of the chiller.
- Do not exceed a maximum load of 20kg per shelf.
- Remove some product if the shelves are flexing.
- Do not let anything overhang the shelves because this might stop the doors from shutting or even break something.

Electronic Controller

Introduction The chiller is fitted with an electronic controller which is visible through a cutout below the sign. The electronic controller is pre-programmed and requires no initial setup or additional programming. SKOPE does not recommend that the settings be changed unless it is absolutely necessary.

Temperature Setpoint The chiller temperature is set to stay between 1.5°C and 3.5°C. The setpoint can be adjusted to other temperature ranges for specialist applications if required (see below).

SKOPE do not recommend that the setpoint range be changed unless it is absolutely necessary, and then only by small increments at a time.

To change the temperature setpoint range

1. Refer to the table below to determine the required temperature range.

Set	Temperature range	Set	Temperature range
0	0.0°C to 1.5°C	5	3.5°C to 5.5°C
1	0.5°C to 2.5°C	6	4.0°C to 6.0°C
2	1.5°C to 3.5°C	7	5.0°C to 7.0°C
3	2.5°C to 4.5°C	8	6.0°C to 8.0°C
4	3.0°C to 5.0°C	-	-

2. Press and hold the up and down buttons on the electronic controller for 3 seconds to unlock the controller.
3. Use the up and down buttons to scroll to the set number assigned to the required temperature range, as shown in the table above.
4. Once the desired set is displayed, leave the controller for 5 seconds. The display changes back to the cabinet internal temperature and the new set is saved.

Messages and Alarms The following table explains messages and alarms that the electronic controller displays.

Messages and alarms

Display	Description
	The cabinet internal temperature. The temperature is what the sensor inside the chiller detects, and not necessarily the product temperature. However, they may be very close depending on how the controller is set to sense temperature.
	Electronic controller lock indicator. On when the electronic controller is locked. Off when the electronic controller is unlocked. Press and hold the up and down buttons for 3 seconds to unlock the electronic controller.
	Compressor indicator. On when the compressor starts. Off when the compressor stops.
	Temperature sensor fault. This indicates a fault with the temperature sensor. Arrange a service call.

3 Servicing

Cleaning

Cabinet Wipe the inside and outside of the cabinet with a damp cloth, taking care to keep moisture away from electrical parts. As with any maintenance, ensure the chiller is unplugged from the power supply before cleaning.

Condenser Coil To ensure trouble-free performance, the condenser coil must be kept clean. We strongly urge monthly cleaning with a soft brush to remove dust and fluff. A more thorough cleaning is required by qualified service personnel every six months. The condenser coil **must** be kept clean for efficient and reliable operation.

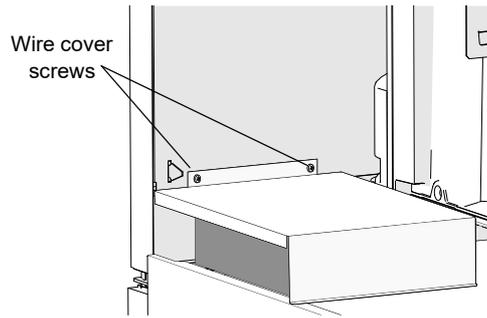
WARNING

Unplug the chiller from the power supply before cleaning the condenser coil.

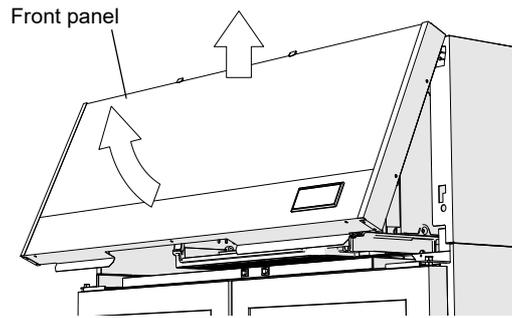
To clean the condenser coil

1. Unplug the chiller from the power supply.

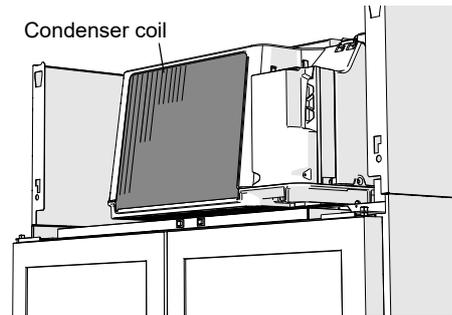
2. Use steps or a platform to access the back of the sign, and unscrew the two wire cover screws (located above the back of the electronic controller housing). **Note:** Image shows back of sign with cabinet side removed.



3. Swing the sign out from the cabinet and unplug the 3× plugs. Lift the sign off and place aside.



4. Brush the condenser coil with a soft brush to remove any dust and fluff.



5. Refit the sign panel and wire cover, and reconnect the 3× plugs. Reconnect to the power supply.

Lighting

The cabinet and sign LED lights are all non-serviceable and must not be tampered with in any way. If a light is suspected of being faulty, arrange a service call.

Troubleshooting

For questions about the electronic controller, see page 9. For problems with the cabinet and refrigeration unit, use the following table.

Problem	Possible Cause	Suggestions
<ul style="list-style-type: none"> Cabinet not operating. 	<ul style="list-style-type: none"> Loss of power supply. Controller alarm. 	<ul style="list-style-type: none"> Check mains power supply. Refer to “Messages and Alarms” on page 9.
<ul style="list-style-type: none"> No controller display. 	<ul style="list-style-type: none"> Loss of power supply. 	<ul style="list-style-type: none"> Check mains power supply.
<ul style="list-style-type: none"> Lights not on. 	<ul style="list-style-type: none"> Lights switched off. Failed light. 	<ul style="list-style-type: none"> Switch light/s on (see page 7). Arrange a service call.
<ul style="list-style-type: none"> Power consumption is higher than expected. 	<ul style="list-style-type: none"> Unit operating too hot. Cabinet doors are opened excessively. 	<ul style="list-style-type: none"> Clean the condenser (see page 10). Ensure the cabinet is in a cool spot (see page 5). Ensure the cabinet has good ventilation around the refrigeration unit (see page 5). Ensure doors are closed more often.
<ul style="list-style-type: none"> Product is too warm. 	<ul style="list-style-type: none"> Restricted airflow to cabinet. 	<ul style="list-style-type: none"> Ensure product is not blocking airflow slots. Ensure there is space around individual product pieces.
<ul style="list-style-type: none"> Warm cabinet temperatures. Compressor operating for long periods (more than 1 hour). 	<ul style="list-style-type: none"> Blocked condenser. Poor ventilation around refrigeration unit. 	<ul style="list-style-type: none"> Clean the condenser (see page 10). Ensure the cabinet has good ventilation around the refrigeration unit (see page 5).

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Trademark Infringement

The SKOPE trademark on this product is infringed if the owner, for the time being, does any of the following:

- Applies the trade mark to the product after their state, condition, get-up or packaging has been altered in any manner
- Alters, removes (including part removal) or obliterates (including part obliteration) the trade mark on the product
- Applies any other trade mark to the product
- Adds to the product any written material that is likely to damage the reputation of the trade mark

Notice of the above contractual obligations passes to:

- Successors or assignees of the buyer
- Future owners of the product

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User Manual

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