

accucold

Pharmacy Refrigerator

User Manual



MODELS:

ACR1415RH ACR1718RH

ACR1415LH ACR1718LH

BEFORE USE, PLEASE READ AND FOLLOW ALL SAFETY RULES AND OPERATING INSTRUCTIONS.

Model:

Serial Number:

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APPLIANCE SAFETY

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and follow all safety messages.



This is the Safety Alert Symbol. The symbol alerts you to potential hazards that can kill or injure you and others. All safety messages will follow the Safety Alert Symbol and either the words "DANGER" or "WARNING".



DANGER means that failure to heed this safety statement may result in severe personal injury or death.



WARNING means that failure to heed this safety statement may result in extensive product damage, serious personal injury, or death.

All safety messages will alert you about the potential hazard, tell you how to reduce the chance of injury, and let you know what can happen if the instructions are not followed.

IMPORTANT SAFEGUARDS



Before the appliance is used, it must be properly positioned and installed as described in this manual, so read the manual carefully. To reduce the risk of fire, electrical shock or injury when using the appliance, follow basic precautions, including the following:



- Plug into a grounded 3-prong outlet, do not remove grounding prong, do not use an adapter, and do not use an extension cord.
- Replace all panels before operating.
- It is recommended that a separate circuit serving only your appliance be provided. Use receptacles that cannot be turned off by a switch or pull chain.
- Never clean appliance parts with flammable fluids. These fumes can create a fire hazard or explosion. And do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance. The fumes can create a fire hazard or explosion.
- Before proceeding with cleaning and maintenance operations, make sure the power line of the unit is disconnected.
- Do not connect or disconnect the electric plug when your hands are wet.
- Unplug the appliance or disconnect power before cleaning or servicing. Failure to do so can result in electrical shock or death.
- Do not attempt to repair or replace any part of your appliance unless it is specifically recommended in this manual. All other servicing should be referred to a qualified technician.
- This appliance is CFC- and HFC-free and contains a small quantity of liquid propane (R290a), which is environmentally friendly but flammable. It does not damage the ozone layer, nor does it increase the greenhouse effect. Care must be taken during transportation and setting up of the appliance that no parts of the cooling system are damaged. Leaking coolant can ignite and may damage the eyes.
- In the event of any damage:
 - Avoid open flames and anything that creates a spark
 - Disconnect from the electrical power line
 - Air the room in which the appliance is located for several minutes
 - Contact the Service Department for advice
- The more coolant there is in an appliance, the larger the room it should be installed in. In the event of a leakage, if the appliance is in a small room, there is the danger of combustible gases building up.
- For every ounce of coolant, at least 325 cubic feet of room space is required. The amount of coolant in the appliance is stated on the data plate on the appliance. It is hazardous for anyone other than an Authorized Service Person to carry out servicing or repairs to this appliance.
- Take serious care when handling, moving, and using the appliance to avoid either damaging the refrigerant tubing or increasing the risk of a leak.
- Replacing component parts and servicing shall be done by factory authorized service personnel so as to minimize the risk of possible ignition due to incorrect parts or improper service.

FOLLOW WARNING CALLOUTS BELOW ONLY WHEN APPLICABLE TO YOUR MODEL

 WARNING

- Use two or more people to move and install the appliance. Failure to do so can result in back or other injury.
- To ensure proper ventilation for your appliance, the front of the unit must be completely unobstructed. Choose a well-ventilated area with temperatures above 60°F (16°C) and below 80.6°F (27°C). This unit must be installed in an area protected from the elements, such as wind, rain, water spray or drips.
- The appliance should not be located next to ovens, grills or other sources of high heat.
- The appliance must be installed with all electrical, water and drain connections in accordance with state and local codes. A standard electrical supply (120 V AC only, 60 Hz), properly grounded in accordance with the National Electrical Code and local codes and ordinances, is required.
- Do not place chemical substances (solvents, reagents) or food in this refrigerator. This equipment is intended for the storage and display of vaccines, pharmaceuticals and other specimens requiring refrigeration at precise temperatures.
- Do not kink or pinch the power supply cord of the appliance.
- The size of the fuse (or circuit breaker) should be 15 amperes.
- It is important that the appliance be leveled in order to work properly. You may need to make several adjustments to level it.
- All installations must be in accordance with local plumbing code requirements.
- Make certain that the pipes are not pinched, kinked or damaged during installation.
- Check for leaks after connection.
- Never allow children to operate, play with or crawl inside the appliance.
- Do not use solvent-based cleaning agents or abrasives on the interior. These cleaners may damage or discolor the interior.
- Use this appliance only for its intended purpose as described in this *Instruction Manual*.
- Keep fingers out of the "pinch point" areas. Clearances between the door and cabinet are necessarily small. Be careful closing doors when children are in the area.

 DANGER  Risk of child entrapment!

Child entrapment and suffocation are not problems of the past. Junked or abandoned appliances are still dangerous, even if they will "just sit in the garage a few days".

Before discarding your old refrigerator:

- Take off the doors
- Leave the shelves in place so that children may not easily climb inside.

- SAVE THESE INSTRUCTIONS -

 **WARNING: This product can expose you to chemicals including Nickel (Metallic) which is known to the State of California to cause cancer.**
For more information go to www.P65Warnings.ca.gov
Note: Nickel is a component in all stainless steel and some other metallic compositions.

CALIFORNIA CARB/SNAP DISCLOSURE

This product uses eco-friendly hydrocarbon refrigerant and fully complies with California CARB regulations.

However, we are required by California Law to provide the following disclosure statement in every product sold in California.

"This equipment is prohibited from use in California with any refrigerants on the 'List of Prohibited Substances' for that specific end-use, in accordance with California Code of Regulations, title 17, section 95374. This disclosure statement has been reviewed and approved by Felix Storch, Inc. and Felix Storch, Inc. attests, under penalty of perjury, that these statements are true and accurate."

This product does **not** use any refrigerants on the 'List of Prohibited Substances'

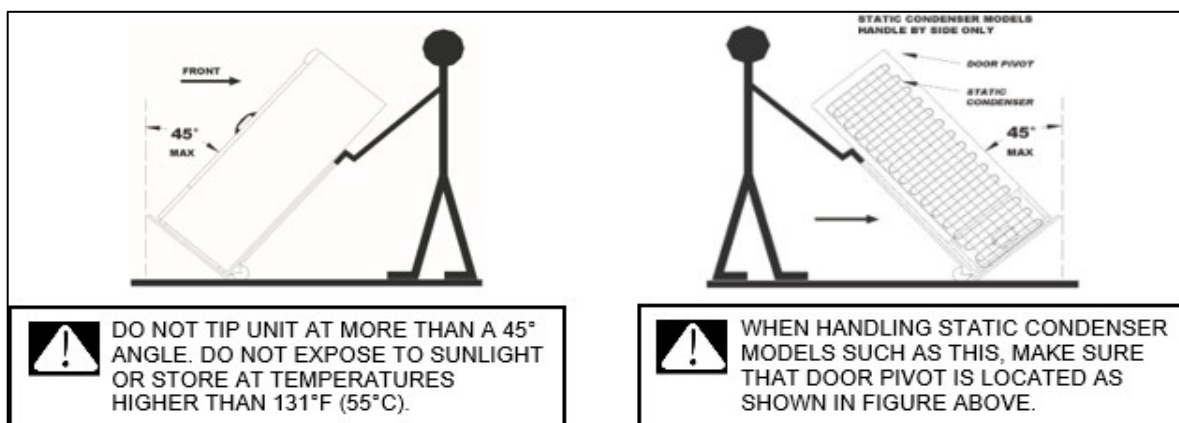
SPECIAL CAUTIONS

- **DO NOT** step on the front louver panel of your unit or use it as a step.
- **ONLY** use polarized plugs to plug in your unit.
- **DO NOT CUT OR REMOVE** the ground connection on the electrical cable.
- **CHECK** that the electrical system is grounded **BEFORE** plugging in refrigerator for the first time.
- The polyurethane in your unit contains cyclopentane gas as a foaming agent. When repairing, **DO NOT** use other types of polyurethane or mix the existing polyurethane with other types. SUMMIT is not responsible for changes in the refrigerator if repairs are made by the user or unauthorized technicians. Contact an authorized distributor for repair information.
- **DO NOT** place hands or other objects in the front louvers, rear grating or the fan guard while in operation. This can cause personal injury and/or damage the unit.
- **BEFORE** removing the front louver panel for maintenance and cleaning, **DISCONNECT** the unit's power supply to avoid accidents which may be caused by the oscillation of the blade of the fan motor.
- **KEEP HANDS AWAY** from door pivot when door is open.
- Before loading the refrigerator, **CHECK** that shelves are fixed and have the number of supports indicated for your model in the *Instruction Manual*.
- **CHECK** that the front louver panel and rear grating are in place before plugging in unit.
- **DO NOT** place chemical substances (solvents, reagents) or food in this refrigerator. This equipment is intended for the storage and display of vaccines, pharmaceuticals and other specimens requiring refrigeration at precise temperatures.
- This equipment is intended to be located in a **PHARMACY**. The floor under the unit must be kept clean.
- **DO NOT** balance or tip unit at more than a 45° angle without the supervision of authorized personnel. Severe injury can occur.
- **DO NOT** try to repair unit by yourself. Always consult your authorized distributor for service.
- **BEFORE** reporting a problem with your ACCUCOLD® refrigerator, check the plug and fuses or circuit breaker. If this is not the cause of the problem, call your distributor immediately so a technician can be sent.
- The unit's cooling capacity will decrease if:
 - It is open for long periods,
 - Excessive amounts of product are stored in it.

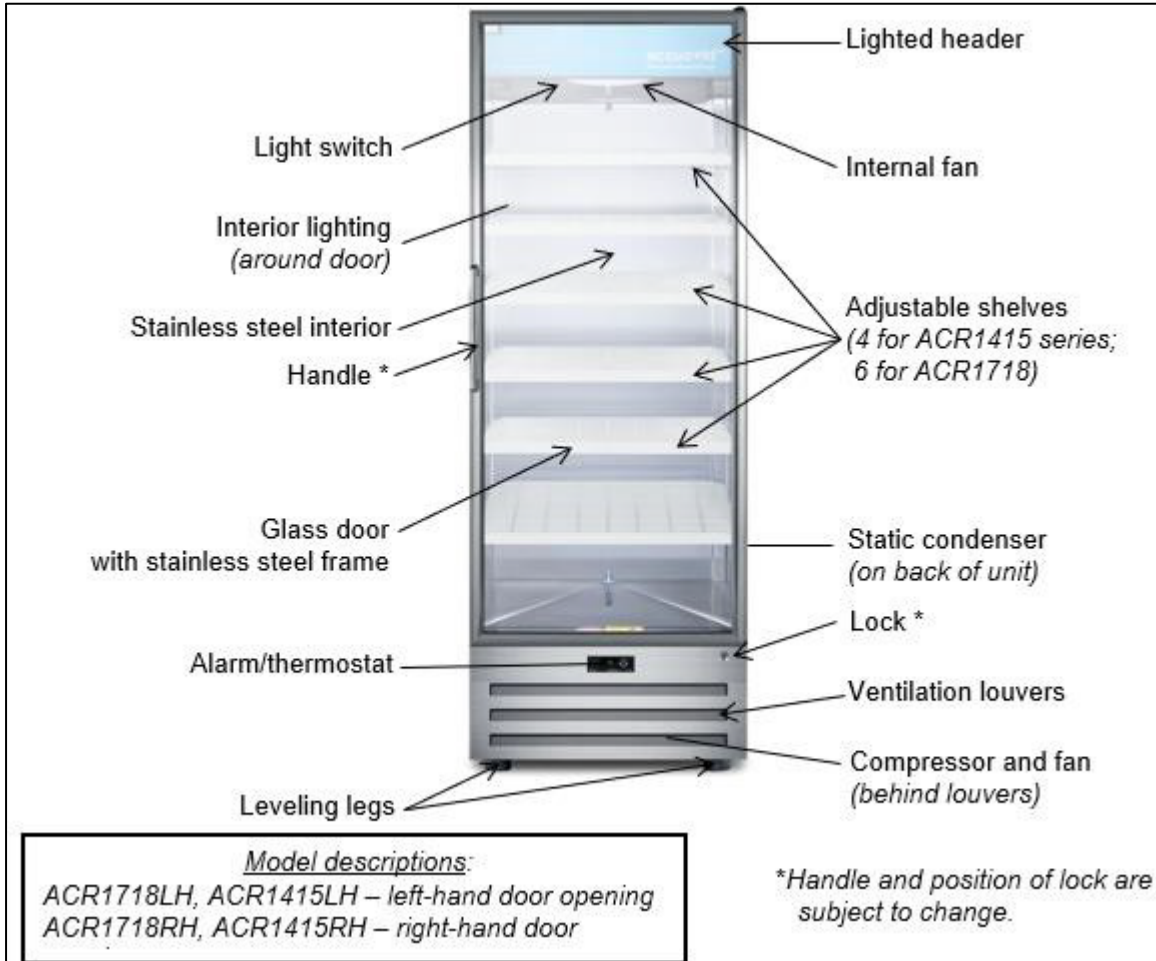
THIS WILL OVERLOAD UNIT AND INCREASE MALFUNCTION RISK.

HANDLING AND TRANSPORT

DO NOT MOVE UNIT WITH PRODUCT INSIDE as loose product can break, spill, damage the appliance, etc



LOCATION OF PARTS



UNIT REVIEW AND INSPECTION

This refrigerator was fully inspected before leaving the factory. Check the unit for any signs of damage. If there is any damage, contact your authorized distributor or manufacturer immediately.

Accessories Included:

- Plastic (polycarbonate) shelves - (packed in plastic wrap inside unit cabinet)
 - ACR1415 series: 4 shelves
 - ACR1718 series: 6 shelves
- Shelf clips - (packed separately in a plastic bag inside the cabinet)

INSTALLATION INSTRUCTIONS

This model is designed for interior use at a maximum operation temperature of **80.6°F (27°C)** and **55%** humidity. It is meant to be free-standing and not built into an enclosure.

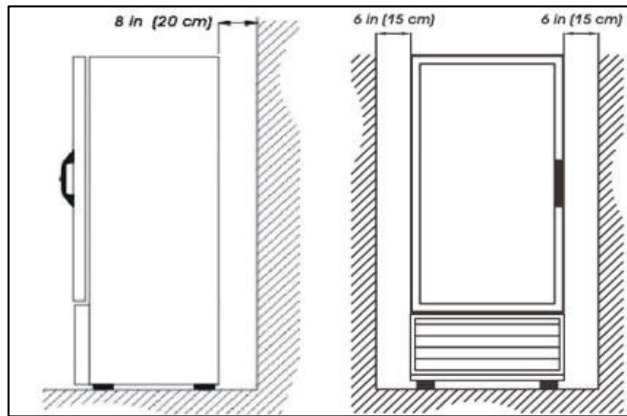
Do not place the unit near heat sources such as stoves, grills, radiators, etc. and do not place them in areas where direct sunlight may reach the unit.

CAUTION: This appliance is designed for storing and cooling pharmaceuticals, vaccines and other medical specimens. Do not use it to store perishable food or chemical substances like solvents and reagents.

Location of your Appliance

Leave at least **8 inches (20 cm)** of clearance at the rear and **6 inches (15 cm)** on each side of the refrigerator to ensure proper airflow to the compressor and improve heat dissipation.

Once the unit is installed, ensure the unit is on a level and stable surface to ensure proper operation. If necessary, use the two front legs to adjust the height of the unit.



CAUTION: After unpacking you **MUST** let this appliance stand upright for at least **2 hours** to allow the lubricant and refrigerant to drain back into the compressor and stabilize. Failure to do so may adversely affect performance and the lifetime of this unit.

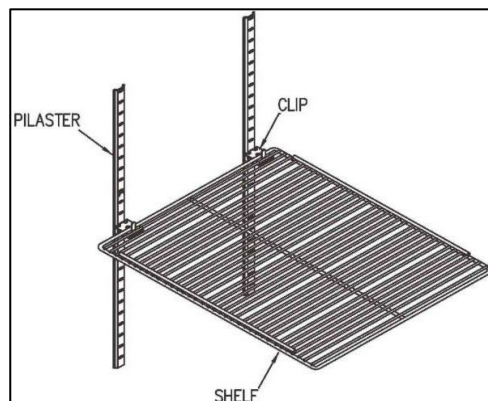
Installing the Shelves

The unit includes **polycarbonate shelves** and corresponding shelf clips.

CAUTION: Do not stock your appliance until the shelves are correctly installed inside the unit with shelf clips.

To install shelves:

1. Insert the shelf clips into the desired slots on the pilasters inside the cabinet.
 - Use the numbers on the pilasters as a guide to place clips at the same height.
 - Ensure the clip tab is pointing upward. (as shown).
2. Position the shelves on the clips, with the outer bar of the shelf on the inside of the clip tabs.
3. Confirm the shelf is stable before loading.
4. Keep all stored items inside the limits of the shelves.
 - Do not block airflow through or around the shelves, as this may affect performance.



NOTE: To avoid accidents when cleaning inside the unit, first remove the shelves and shelf clips.

Electrical Connection:

Proper electrical installation is required for your refrigerator to function correctly and to prolong the useful life of electrical parts and compressor.

Before Connecting the Unit for the First Time:

1. Verify that line voltage does not fluctuate more than 10% above the nominal value of **120 V, 60 Hz**.
2. **DO NOT** use extension cords.
3. **DO NOT** connect refrigerator to multiple plugs or plugs with another appliance connected.
4. The unit **MUST** be plugged into a grounded socket.

IMPORTANT

- Do not try to repair any portion of the electrical system yourself. Contact the nearest authorized service center.
- The unit must be grounded.
- Ignoring any of the precautions in the manual voids the warranty.
- The unit must be connected to a circuit breaker with a **15-ampere** fuse and installed with a minimum **14-awg** wire.

OPERATION

Compressor

The compressor in your unit is designed to operate silently.

- Do not plug in the unit immediately after moving or repositioning it.
- Allow at least 2 hours for the internal pressures to equalize and for the compressor oil to settle.
- After plugging the unit in, let it run for 1 hour without any load.
- Once this period is complete, the unit is ready for use.

NOTE: Do not touch the compressor top cover while the unit is running. It is designed for high operational temperatures, and its surface can become very hot, which may cause burns. (The compressor is located at the bottom of the refrigerator, behind the front louvers.)

Temperature Controls

The temperature is controlled by a thermostat located above the front ventilation louvers, just below the door. The thermostat design may vary by model version. Check your unit's thermostat to determine which instructions apply.

For models with Carel thermostat:

The thermostat is factory-set to maintain the internal temperature between **2°C and 8°C** (35.6°F and 46.4°F). The thermostat normally displays the current cabinet temperature. The default setting is **2°C**.



To Change the Set Temperature:

1. Press and hold the **set** button for 5 seconds until **[0]** appears on the screen.
2. Release the button, then press it again to confirm the **[0]** command.
3. Press the **UP** or **DOWN** buttons until **[St]** appears on the screen.
4. Press the **set** button again to enter the parameter.
5. Use the **UP** and **DOWN** buttons to select the desired operating temperature.

NOTE: Only temperatures between **2°C and 8°C** (35.6°F and 46.4°F) are permitted.

6. Press **set** again to confirm the selected temperature.
7. Wait 1 minute without pressing any buttons. The unit will accept the changes and resume operating normally.

Alarm Settings:

- Your refrigerator is equipped with an alarm that will sound when the internal temperature rises above **15°C** (59° F) or falls below **0°C** (32° F).
- Press the **SET/MUTE** button on the thermostat to stop the alarm.

Lighting:

- **Door Lighting:** LED lighting surrounds the glass on the interior side of the door. The header panel above the door is also backlit.
- **Cabinet Lighting:** Interior cabinet lighting operates continuously by default. It may also be controlled with a switch, located inside the unit to the left of the internal fan in the ceiling.
- **Energy-Saving Mode:** Activating Energy-Saving mode will automatically turn off the interior lighting.

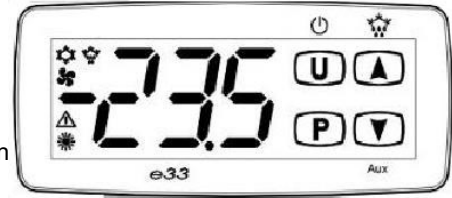
Energy-Saving Mode:

To reduce energy consumption, you can activate **Energy-Saving Mode**. This mode limits the operating time of the fan motors and compressor and turns off the interior light.

- To activate: Press and hold the **UP** arrow (**ECO**) for 3 seconds. The display will show **[EnS]** to confirm the setting.
- To deactivate: Press and hold the **UP** arrow for at least 3 seconds.

For Models with Coel Thermostat:

The thermostat is factory-set to maintain the internal temperature between **2°C and 8°C** (35.6 and 46.4°F). The thermostat normally displays the temperature inside the cabinet. The default setting is **2°C**.



To Change the Set Temperature:

1. Press the **UP** or **DOWN** arrow until **[SP1]** appears on the screen then release.
2. Using the **UP** and **DOWN** arrows, choose the desired operating temperature.

NOTE: Only temperatures between 2°C and 8°C (35.6°F and 46.4°F) are permitted.

3. Press the **P** button to confirm the temperature.
4. Wait 1 minute without touching any button while the unit accepts the changes. It will then start running normally.

Alarm Settings:

- Your unit is designed to sound an alarm if the internal temperature rises above **15°C** (59° F) or falls below **0°C** (32° F).
- To stop an alarm when it is sounding, press the **P** button on the thermostat.

Lighting:

- LED lighting surrounds the glass on the interior side of the door. Additionally, the header panel above the door is backlit.
- Cabinet lighting is designed to function continuously or may be controlled with a switch, located inside the unit to the left of the internal fan in the ceiling. Putting the refrigerator into Energy- Saving mode (see section above) will also turn off the interior lighting.

NOTES:

- If the unit is unplugged, or power is lost or turned off, you must wait 3 to 5 minutes before restarting the unit. If you attempt to restart before this time delay, the unit will not start.
- When you use the unit for the first time or restart the unit after it has been shut off for a long time, allow a few hours for the interior temperature to normalize.

CLEANING AND CARE

For better performance and user convenience, this refrigerator has been designed to function with the least possible maintenance and to provide optimal energy consumption and serviceability. It is recommended, however, that the unit be kept clean and that the following preventative maintenance be performed.

CAUTION: Failure to unplug the appliance during cleaning could result in electrical shock or other personal injury.

Cleaning the Cabinet

- Turn off the power, unplug the appliance, and remove all items, including shelves and shelf clips.
- When cleaning cabinet interior, use a solution of warm water and mild soap.
- Do not use steel wool, caustic or abrasive cleaners or bleach that may damage the stainless surface.
- Once the cabinet interior is clean, dry it with a clean, dry cloth.
- Wipe the door gasket with a solution of warm soapy water, then dry with a clean soft cloth.
- Wash the shelves with a mild detergent solution, then dry them.
- Wring excess water out of the sponge or cloth when cleaning the area where the controls are located, or any electrical parts.
- Clean the outside of the unit with an approved stainless steel cleaning product. Do not use steel wool or a steel brush on the stainless steel surfaces.

NOTE: Do not use alcohol derivatives or thinner to clean the cabinet.

Cleaning the Condenser

Disconnect the refrigerator's power supply before cleaning. The static condenser (on back of unit) should be cleaned every 12 months for optimum performance. Use a soft-bristle brush to remove excess dust to improve heat transfer to the surrounding air.

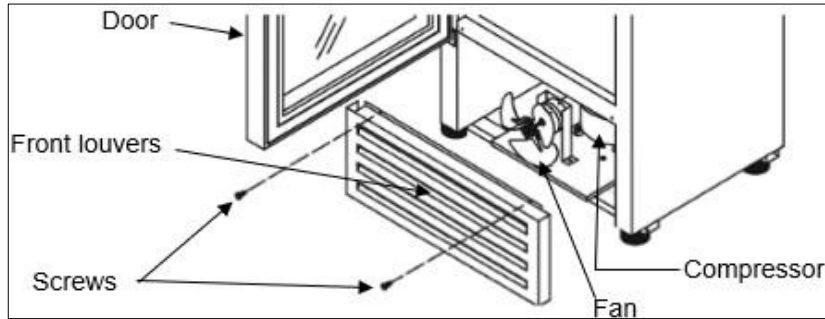
Cleaning the Alarm/Thermostat

- Do not wash or expose the alarm/thermostat to water or other liquids.
- Clean the product by wiping with a soft, dry cloth.
- Never use volatile or abrasive liquids or cleaners to clean the product.
- Do not subject the product to sudden shock or impact.

Cleaning the Compressor Compartment

The compressor and fan are located behind the front louvers of the appliance.

CAUTION: Disconnect the unit's power supply before removing the front louvre to avoid accidents, which may be caused by the oscillation of the blade of the fan motor.



To Clean the Compartment Behind the Front Louvers:

1. Disconnect the power supply to the appliance.
2. Remove the two screws, as shown above.
3. Lift the front louver panel, then pull it toward you, being careful not to disconnect any attached wiring.
4. Clean the area with a damp cloth, then dry it.
5. Replace the louver panel and screw it back into place.
6. Reconnect power to the appliance.

Defrosting

It is not necessary to defrost your refrigerator. This is done automatically, using a forced-air system. There is a defrost water evaporation pan in the compartment below the main cabinet. A hot gas line from the compressor passes through this pan and evaporates the water. Check occasionally that the drain hose is always inside the evaporation pan.

Security Lock

Your unit is provided with a lock and key combination. The lock may be found on the front of the refrigerator. The keys are located inside the plastic bag that contains the *User Manual*. After a key has been used, remove it and put it in a secure place for safekeeping.

Energy-Saving Tips

- DO NOT DISCONNECT UNIT AT NIGHT. Not only will contents most likely suffer damage, but reconnecting next day will increase energy consumption.
- DO NOT keep the door open any longer than necessary.
- DO NOT OVERLOAD UNIT. Allow free air flow inside refrigerator.
- DO NOT PLACE HEAVY AND/OR LARGE OBJECTS INSIDE UNIT.
- It is important not to block air flow inside the refrigerator. Remember that it is designed exclusively for cooling vaccines, pharmaceuticals and other medical specimens.
- The appliance should be located in the coolest area of the room, away from heat-producing appliances and out of direct sunlight.
- Ensure that the unit is adequately ventilated. Never cover air vents.
- DO NOT PLACE FOODS IN REFRIGERATOR. Not only will you risk contamination of medical products, but the forced air system will absorb moisture from the food.

TROUBLESHOOTING

You can solve many common problems easily, saving you the cost of a possible service call. Try the suggestions below to see if you can solve the problem before calling the servicer.

PROBLEM	POSSIBLE CAUSE
The unit does not operate.	Not plugged in. Voltage is outside specifications. Tripped circuit breaker or blown fuse.
The unit is not cold enough.	Voltage is outside specifications. Interior air flow is blocked. There is a nearby heat source. The door is opened too often. The door is not closed completely. The door gasket does not seal properly. Condenser needs cleaning.
Turns on and off frequently.	There is a nearby heat source. Interior air flow is blocked. A large amount of product has been added to the refrigerator. The door is opened too often. The door is not closed completely. The door gasket does not seal properly. Condenser needs cleaning.
The light does not work.	Not plugged in. Tripped circuit breaker or blown fuse. The light switch is OFF.
Ice forms on evaporator.	High relative humidity in environment. The door is not closed properly. The door is opened too often or for too long. Interior air flow is blocked.
Vibrations	Appliance is not level. Fan blades are out of balance. Tubes or moving parts are grazing metallic parts.
The unit seems to make too much noise.	The rattling noise may come from the flow of the refrigerant, which is normal. As each cycle ends, you may hear gurgling sounds caused by the flow of refrigerant in the unit. Contraction and expansion of the inside walls may cause popping and crackling noises. The appliance is not level.
The door will not close properly.	The appliance is not level. The gasket is dirty. The shelves are out of position.
Excessive condensation in interior and on door.	High relative humidity in environment. The door is not closed properly. The door is opened too often or for too long.

If your appliance shows other symptoms than those described above, or if you have checked all items listed as the cause and the problem still exists, then call Accucold® Customer Service at **1-888-4-MEDLAB**.

NOTES

LIMITED WARRANTY

TWO-YEAR LIMITED WARRANTY

Warranty coverage is available within the 48 contiguous United States, along with select areas of Alaska, Hawaii, and Canada. For locations not covered, consumers can either contact a local provider or coordinate with Felix Storch, Inc. to find nearby service options, which may qualify for partial reimbursement.

The warranty for this appliance is valid for two years from the date of purchase, provided the appliance is operated and maintained according to the instructions included with the product. The warrantor will cover the cost of factory-specified parts and repair labor needed to correct defects in materials or workmanship. Service must be performed by a designated service company.

All parts, except the compressor, are warranted for two years against manufacturing defects. Plastic parts, shelves, and cabinets are produced to commercially acceptable standards but are not covered for damages incurred during handling or for breakage.

5-YEAR COMPRESSOR WARRANTY

1. The compressor is covered for 5 years.
2. Replacement does not include labor.

ITEMS WARRANTOR WILL NOT PAY FOR:

1. Service calls to correct the installation of your appliance, to instruct you how to use your appliance, to replace or repair fuses or to correct wiring or plumbing.
2. Service calls to repair or replace appliance light bulbs or broken shelves. Consumable parts (such as filters) are excluded from warranty coverage.
3. Damage resulting from accident, alteration, misuse, abuse, fire, flood, acts of God, improper installation, installation not in accordance with electrical or plumbing codes, or use of products not approved by warrantor.
4. Replacement parts or repair labor costs for units operated outside the 48 contiguous United States, along with select areas of Alaska, Hawaii, and Canada.
5. Repairs to parts or systems resulting from unauthorized modifications made to the appliance.
6. Expenses for travel and transportation for product service in remote locations.
7. The removal and reinstallation of your appliance if it is installed in an inaccessible location or is not installed in accordance with published installation instructions.

DISCLAIMER OF IMPLIED WARRANTIES; LIMITATION OF REMEDIES

CUSTOMER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR AS PROVIDED HEREIN. IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO TWO YEARS. WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR LIMITATIONS ON THE DURATION OF IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS, SO THESE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.