



Use and Care Guide
for Portable Refrigerator/Freezer
Models SPRF26 and SPRF26M



Write the serial number here:

Serial # _____

Felix Storch, Inc.
Summit Appliance Division
770 Garrison Avenue
Bronx, NY 10474

Thank you for purchasing the SUMMIT® Portable Refrigerator/Freezer. This is an advanced refrigeration unit, combining the latest in compressor and computerized digital control technology. The high efficiency of the compressor will freeze to below 0°F at an ambient temperature of 86°F, and the unit can also be used as a portable refrigerator or cooler.

Like all SUMMIT® products, this unit has been manufactured to the high standards identified with the SUMMIT® name. We fully expect it to bring you many years of excellent service.

Please read this manual before installing and using the unit, and keep the manual in a handy spot for future reference.

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Appliance Safety

Your safety and the safety of others are very important to us. We have provided several important safety messages in this manual. Always read and obey all safety messages. Serious injury or even death can be the result if you do not follow these instructions. All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.

WARNING! To reduce the risk of fire, electric shock or injury when using your appliance, follow these basic precautions:

- Keep cooler upright when it is turned on and while in use.
- Never turn on the cooler with wet hands or when your feet are in contact with water.
- If connected to a DC power source (for example, a cigarette lighter socket) in a vehicle, do not attempt to power up the cooler when vehicle engine is not turned on.
- Always be sure the correct voltage and current are applied to the cooler. The voltage and current are clearly marked on the manufacturer's label which can be found on the side of the cooler.
- Be sure the power source can safely supply the required current when you use the AC/DC adapter.
- Do not carry corrosives or solvents in the cooler.
- Never obstruct the vents as they supply necessary airflow to motors and fans.
- Do not fill cooler with liquid or ice.
- Disconnect power before servicing or cleaning.
- Use nonflammable cleaners.
- Keep flammable materials and vapors, such as gasoline, away from the cooler.

Technical Information

Model	Numbers:	SPRF26 SPRF26M (with lock and trolley)
	Capacity:	20 liters (0.7 ft ³)
	Electrical Input:	DC: 12-24V AC: 120V
	Power Input:	approx. 50W
	Cooling Capacity:	-18°C (-0.4°F) at 30°C (86°F) ambient temperature
	Net Weight:	29.7 lbs
	Unit Dimensions:	21.3"W x 14.4"D x 17.0"H
	Insulation:	over 1.5" polyurethane foam

Specifications are subject to change without notice.

WARNING: *Keep vents clear.*

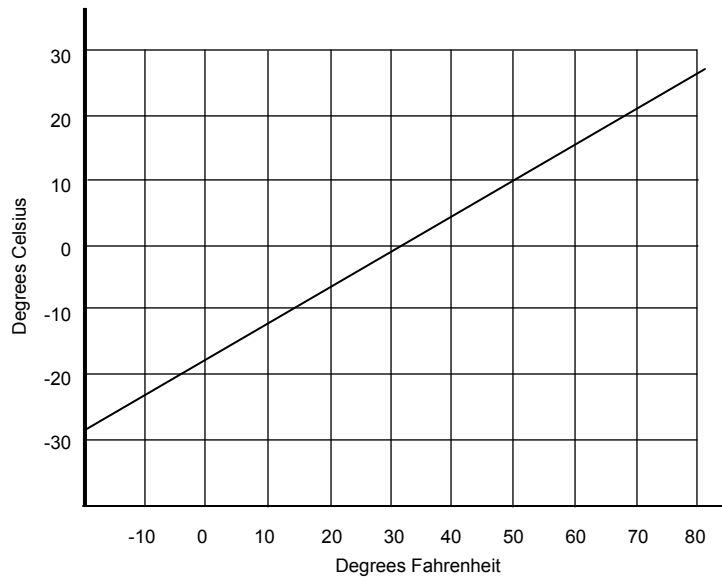
Applications

The cooler is perfect for traveling, picnics, camping, trucking and other outdoor activities. Indoors, the appliance adapts itself to many uses requiring either freezing or just cooling. Just use the supplied AC/DC adapter in combination with the DC/DC power cord and set the controls as described in *Setting the Temperature*, page 7.

Model SPRF 26M is the ideal choice if you wish to refrigerate medical supplies. It not only allows precise control of temperature, but comes with a lock and a trolley for easy transporting. (Before storing temperature-sensitive material, check that the cooling capacity of the unit meets the temperature recommendation listed on the medication.)

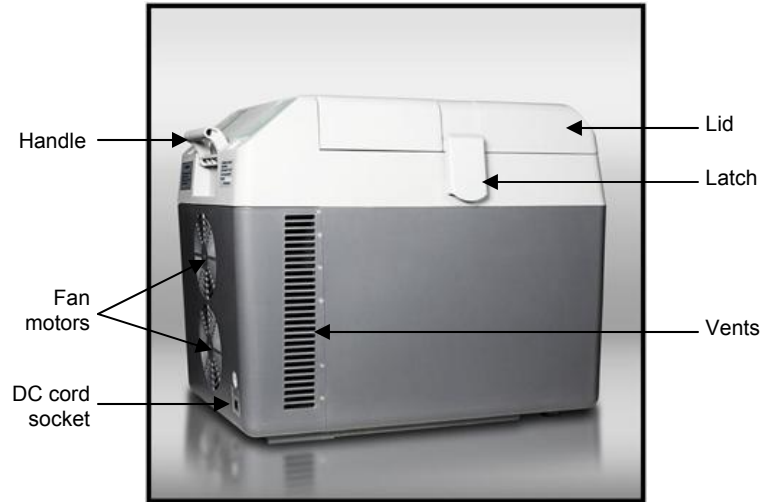
Celsius Temperature Readout

You'll notice that the temperature readout on the LED display of your cooler is in Celsius degrees rather than Fahrenheit. You can use the graph below to quickly convert one temperature scale into the other. For example, to change 32°F into °C, find 32 on the horizontal Fahrenheit scale, trace up to the inclined line, then move left to the vertical axis. That reading, 0, is the Celsius equivalent of 32°F. Reverse the procedure to change Celsius to Fahrenheit.

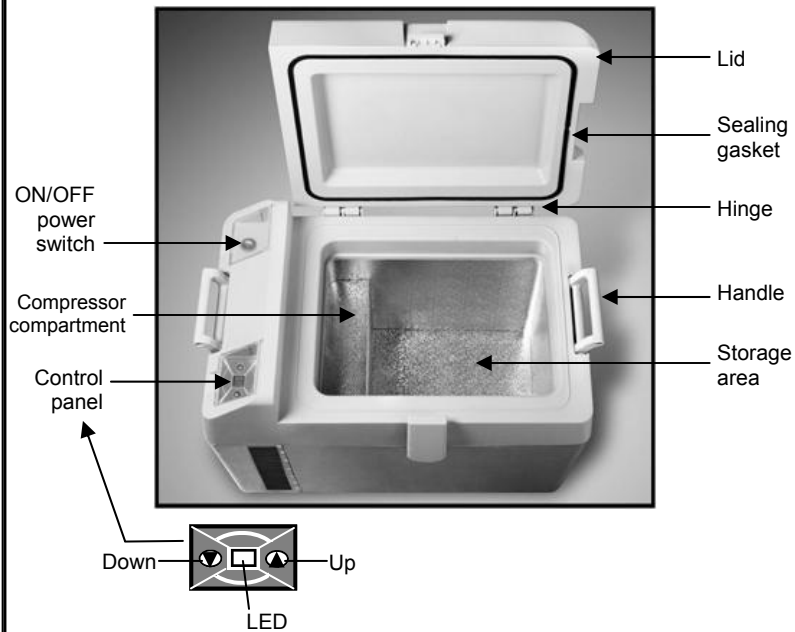


Location of Parts (Model SPRF26)

Side view



Top (open) view



Before First Use

What you should expect to find in the carton

Check to be sure that all of the following items have been included in the carton along with this manual:

- 1 compressor freezer, model SPRF26
- 1 DC/DC power cord
- 1 AC/DC adapter

Clean Before Using

After you remove the unit from its packaging, clean the inside before using. See cleaning instructions in the *Cleaning* section of this manual.

Installation

1. Place cooler on a dry surface where it is protected from water.
2. The cooler should not be used where it may be exposed to rain.
3. Never locate the cooler where the ambient temperature is below 0°C (32°F).

ALLOW COOLER TO SIT UPRIGHT FOR 24 HOURS BEFORE TURNING ON, TO ALLOW THE COMPRESSOR LUBRICANT TO DRAIN.

Keep flammable materials and vapors such as gasoline away from appliances. Failure to do so can result in fire or explosion.

Electrical Connection

The cooler can be operated from either a DC or an AC power source. Both require the use of the DC/DC power cord included with the unit. With an AC source, the included AC/DC adapter must be plugged into the end of the DC/DC power cord, then connected to an AC source such as a wall socket.

DC Source: The cooler can be operated between 10.3V and 17V DC, or between 22V and 30V DC. Before connection, check that the battery voltage falls within these ranges. If the voltage is out of range, the cooler will not operate. Excessive voltage could damage the electronic components of the cooler.

AC Source: Be sure to use the AC/DC adapter when your power source is AC, otherwise the cooler could be damaged.

Setting the Temperature

1. Plug the DC/DC power cord into the cord socket on the side of the unit (see upper figure on page 5).
2. If using a DC power source such as the cigarette lighter socket of a vehicle, plug the other end of the cord into the power source.
3. If using an AC power source, connect the AC/DC adapter to the end of the DC/DC cord, then plug the adapter into a wall socket or other AC power source.
4. Press the power switch to turn on the cooler. (You will hear the sound of the compressor starting.)
5. Press the Up or Down button on the control panel to adjust the temperature. Pressing either button once will adjust the temperature by 1Celsius degree. The maximum cool setting is -19°C (-2.2°F).
6. Five seconds after the desired temperature is set, you will hear 5 beeps to confirm the setting and the LED display will begin to show the actual temperature inside the unit.

Typically, if the ambient temperature is 30°C (86°F) and the temperature on the unit is set to -18°C (-0.4°F), the interior of the unit will reach the freezing point of water (0°C) in about 30 minutes, and will reach the set temperature in about 1½ hours.

NOTE: The compressor will shut off if the internal temperature of the unit is 1 Celsius degree or more below the set temperature. When the internal temperature rises to 2 degrees above the set temperature, the compressor will turn on again after an interval of about 2 minutes.

Energy-Saving Tips

- Place the cooler in a cool, dry place away from direct sunlight.
- Cool the food or drink before storing in the cooler.
- Do not set the temperature colder than you require.
- Do not open the cooler more often than necessary.
- Do not leave the lid open longer than necessary,

Storage

When storing your cooler, we recommend that you leave the lid open slightly. This will help keep mold from forming and prevent stale odors. It's a good idea to follow the cleaning procedure (below) before storing your cooler.

Cleaning

- Clean your cooler with a soft cloth moistened with luke warm water.
- Avoid getting water droplets in the vents, as this may lead to damage to the electronic components.
- Use a soft dry cloth to dry the cooler completely after cleaning.
- Clean the cooler after use and before storage.

ATTENTION: Never use solvents or abrasive cleaners, as this will damage the cooler. Do not use scouring agents or scrapers when cleaning your cooler.

Troubleshooting

Before calling for assistance or service, please check this *Troubleshooting* section. It may save you the cost of a service call. If you still need help, follow the instructions below.

If you don't find the answer to your question in this manual, try our website, www.summitappliance.com, under *Service and Support*, or contact our Customer Service department toll-free in the U.S.A. at 1-800-287-8799, Monday through Friday, 9:00 a.m. – 5:00 p.m. (ET).

If you need replacement parts, we recommend that you only use factory-specified parts. Factory-specified parts will fit right and work right, because they are made with the same precision used to build every new SUMMIT® appliance. Parts can be ordered online at www.summitapplianceparts.com.

Problem	Cause	Solution
Cooling function does not work.	Loose contact between plug and unit socket.	Plug firmly into unit socket and cigarette lighter.
	Power voltage is out of range.	Check whether unit is plugged into power supply of 12V or 24V; be sure battery charge is not too low or too high.
	The temperature sensor is malfunctioning.	Contact a local repair center to replace temperature sensor.
Cooling efficiency is bad.	A fan motor does not work.	Contact a local repair center to replace fan motor.
	Unit is exposed to direct sunlight.	Place unit in a cool, shady place with good airflow.
	Ventilator or fan propeller is blocked.	Clean ventilator and fan propeller; make sure unit has good ventilation.
There is a strange noise or vibration during operation.	Unit is malfunctioning.	To prevent breakdown, turn the unit off immediately and unplug it from power source. Contact a local repair center.
There is a burning smell or the case is deformed.	Unit is malfunctioning.	To prevent breakdown, turn the unit off immediately and unplug it from power source. Contact a local repair center.

Notes

Notes

WARRANTY

ONE YEAR LIMITED WARRANTY

Within the 48 contiguous United States, for one year from the date of purchase, when this appliance is operated and maintained according to instructions attached to or furnished with the product, warrantor will pay for factory specified parts and repair labor to correct defects in materials or workmanship. Service must be provided by a designated service company. Outside the 48 states, all parts are warranted for one year from manufacturing defects. Plastic parts, shelves and cabinets are warranted to be manufactured to commercially acceptable standards, and are not covered from damage during handling or 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 United States.
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 ONE YEAR. 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.

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