



## PORTABLE REFRIGERATOR/FREEZER



### Models:

SPRF26	SPRF26M
SPRF36	SPRF36M/M2
SPRF86	SPRF86M2
SPFZ25 (Freezer)	

### *User Manual*

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

Write Model and Serial Numbers here:

Model \_\_\_\_\_

Serial No. \_\_\_\_\_

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# APPLIANCE SAFETY

## Your safety and the safety of others is very important.

We have provided many important safety messages in this manual. Always read and follow all safety messages. Serious injury or even death can result from not following 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

- Keep the cooler upright while it is turned on and in use.
- Never switch the cooler on with wet hands or when your feet are in contact with water.
- If connected to a DC power source (for example, a data port socket) in a vehicle, do not attempt to turn the cooler on when your 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 solvent material in the cooler.
- Never obstruct vents as they supply necessary airflow to motors and fans.
- Do not fill cooler with liquid or ice.
- Disconnect the power before servicing or cleaning.
- Use nonflammable cleaners.
- Keep flammable materials and vapors, such as gasoline, away from the cooler.
- 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.

### DANGER

- The SPFZ25 is CFC- and HFC-free and contains a small quantity of propane (R290) 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 and
  - 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. 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.

**DANGER** - Risk of fire or explosion. Flammable refrigerant used.

Do not use mechanical devices to defrost refrigerator. Do not puncture refrigerant tubing.

To be repaired only by trained service personnel. Do not puncture refrigerant tubing.

**CAUTION** - Risk of fire or explosion

Flammable refrigerant used. Consult repair manual/owner's guide before attempting to service this product. All safety precautions must be followed.

Dispose of properly in accordance with federal or local regulations. Flammable refrigerant used.

Risk of fire or explosion due to puncture of refrigerant tubing. Follow handling instructions carefully.

Flammable refrigerant used.

**CAUTION**- Avoid obstructing any ventilation openings in the appliance or in the enclosure when building in.

## APPLICATIONS

This cooler is the ideal choice if you wish to refrigerate medical supplies. It allows precise control of temperature. The SPRF26 and SPRF36 series can safely hold medical supplies within their required temperature range of 2-8°C and as low as -15°C, while the SPRF86 series is designed to safely protect refrigerated medical supplies between 2-8°C. The SPF25Z is a freezer, which can be set between -27°C to -20°C. Refer to the table below for suggested temperature set points.

Model	Suggested Set Point	Approximate Content Temperature
SPRF26/M	5°C	2-8°C
	-18°C	-15°C
SPRF36/M/M2	5°C	2-8°C
	-18°C	-15°C
SPRF86/M2	5°C	2-8°C
	-18°C	-12°C
SPFZ25	-20°C	-15°C to -20°C (below the load line)

Before storing temperature-sensitive material, check that the cooling capacity of the unit meets the temperature recommendation listed on the medication.

The M/M2 versions come with an installed lock and trolley or pre-installed wheels for protection and easy transportation. These coolers can be set at refrigerator or select freezer temperatures.

**CAUTION:** The SPFZ25 uses a flammable refrigerant. Use care when handling and operating to avoid damaging the refrigerant tubing or increasing the risk of a leak.

# TECHNICAL INFORMATION

<b>Model Numbers</b>	SPRF26/SPRF26M
<b>Capacity</b>	20 liters (0.7 ft <sup>3</sup> )
<b>Electrical Input</b>	DC: 12-24V/ AC: 120-220V
<b>Power Input</b>	Approx. 50W
<b>New Weight</b>	29.7 lbs.
<b>Unit Dimensions</b>	21.3" W x 14.4" D x 17.0" H

<b>Model Numbers</b>	SPRF36/SPRF36M/SPRD36M2
<b>Capacity</b>	30 liters (1.0 ft <sup>3</sup> )
<b>Electrical Input</b>	DC: 12-24V/ AC: 120-220V
<b>Power Input</b>	Approx. 50W
<b>New Weight</b>	35 lbs.
<b>Unit Dimensions</b>	21.3" W x 14.4" D x 21.7" H

<b>Model Numbers</b>	SPRF86/SPRF86M2
<b>Capacity</b>	80 liters (2.8 ft <sup>3</sup> )
<b>Electrical Input</b>	DC: 12-24V/ AC: 120-220V
<b>Power Input</b>	Approx. 55W
<b>Net Weight</b>	59.5 lbs.
<b>Unit Dimensions</b>	27.1" W x 19.3" D x 22.4" H

<b>Model Number</b>	SPFZ25
<b>Capacity</b>	20 liters (0.7 ft <sup>3</sup> )
<b>Electrical Input</b>	DC: 12-24V/ AC: 120-220V
<b>Power Input</b>	Approx. 85W
<b>New Weight</b>	29.7 lbs.
<b>Unit Dimensions</b>	21.3" W x 14.4" D x 17.0" H

M suffix = trolley and lock

M2 suffix = lock, strap handle, and pre-installed wheels

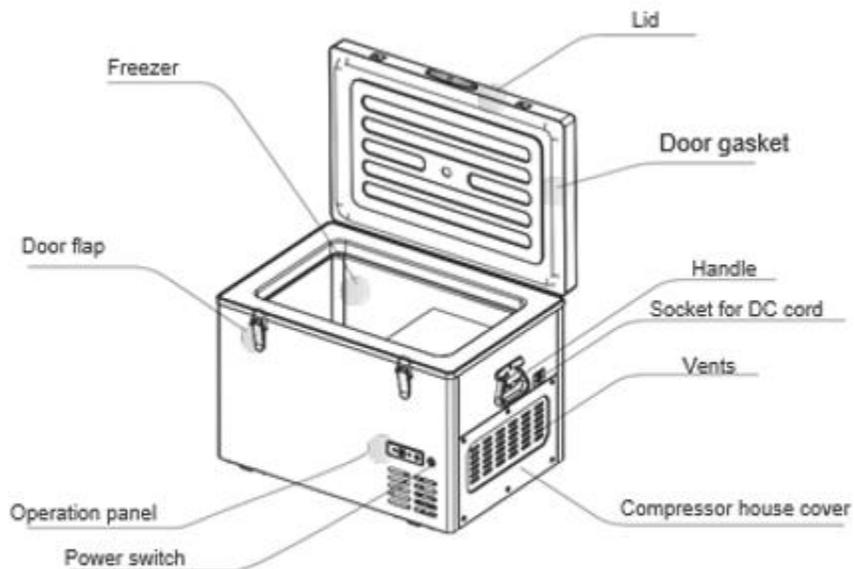
**NOTE:** Specifications are subject to change without notice.

# LOCATION OF PARTS



## SPRF26/36 & SPFZ25

The SPFZ25 will be marked with an interior load line. It is recommended to store items below that line to achieve storage temperatures from -15°C to -20°C.



## SPRF86

**NOTE:** Pack vaccines or more temperature sensitive materials at the bottom of the storage area, where the unit is coldest.

# BEFORE YOUR FIRST USE

Check to ensure all of the following items have been included in the carton box along with this manual:

- 1 Portable Refrigerator/Freezer
- 1 12V Power Cord
- 1 110V AC/DC Power Adapter
- 2 keys ("M/M2" series units)
- 1 trolley (SPRF26M only)

## Cleaning Before First Use

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

# INSTALLATION

1. Place the cooler on a dry surface where it will be protected from water or moisture.
2. The cooler should not be used where it may be exposed to rain.
3. The cooler should be installed in a position that allows for adequate ventilation.
4. Never locate the unit anywhere the ambient temperature is below 0°C (32°F) or above 30°C (86°F).

*CAUTION: Allow the unit to sit upright for 24 hours before turning it on, to allow the compressor lubricant to drain.*

## Electrical Connection

This equipment can be operated from either a DC or an AC power source. Both require the use of the 12V power cord supplied with the unit. With an AC source, the included AC/DC adapter must be plugged into the end of the 12V power cord, then connected to the AC power source, such as a wall socket.

### DC Source

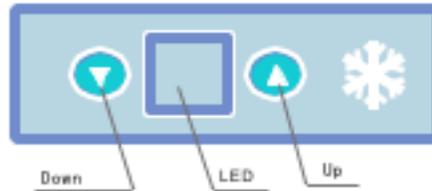
Check that the battery voltage falls within the appropriate input range before connecting the unit. If the voltage is out of range, the unit will not operate. Excessive voltage could damage the electrical components of the cooler.

### 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

The cooler can be operated with 12V/24V DC power. Prior to connection, check whether the voltage indicated on the manufacturer's label is in accordance with the battery voltage. Connect your cooler to the data port socket of your vehicle with the 12V/ 24V DC cord.

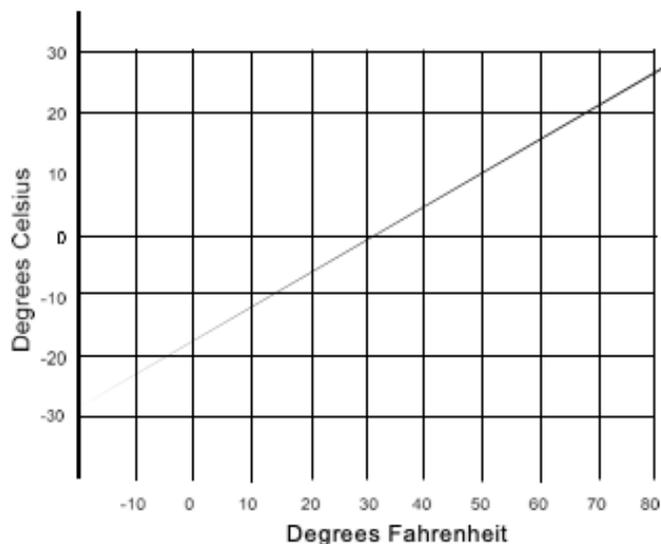


1. Plug the 12V power cord into the cord socket on the side of the unit (see diagrams on page 5).
2. If using a DC power source, such as the data port of a vehicle, plug the other end of the cord into the power source.
3. If using an AC power source, connect the AC/DC adapter to the of the power cord, 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** button or the **DOWN** button to adjust the temperature. Pressing either button will adjust the temperature by 1°C.

**NOTE:** The compressor will shut off if the internal temperature of the unit is 1°C or more below the set temperature. When the in-box temperature is higher than the set-temperature by 2°C, the compressor will turn on again, after an interval of about two minutes.

## 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 this graph 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.



# ENERGY-SAVING TIPS

- Place the cooler in a cool, dry place away from direct sunlight.
- Always cool items before storing them in the cooler.
- Do not set the temperature colder than you require.
- Do not open the cooler more 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 is a good idea to follow the cleaning procedure (below) before storing your cooler.

## CLEANING

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

**NOTE:** 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 need replacement parts, we recommend you use only factory-specified parts. Factory-specified parts will fit and work properly because they are made with the same precision used to build every new Accucold® appliance. Order parts online at [www.accucold.com/support/parts\\_accessories](http://www.accucold.com/support/parts_accessories).

<b>Problem</b>	<b>Cause</b>	<b>Solution</b>
<i>The unit is not cooling.</i>	<i>Loose contact between the plug and the unit socket.</i>	<i>Connect the plug firmly into the unit socket and data port.</i>
	<i>The power voltage is out of range.</i>	<i>Check if the unit is plugged into power supply of 12V or 24V.</i>
	<i>The temperature sensor is malfunctioning.</i>	<i>Contact a local repair center to replace the temperature sensor.</i>
<i>The cooling efficiency is bad.</i>	<i>The fan motor does not work.</i>	<i>Contact a local repair center to replace the fan motor.</i>
	<i>The unit is exposed to direct sunlight.</i>	<i>Place the unit in a shady, cool place with good airflow.</i>
	<i>The ventilator or propeller is blocked.</i>	<i>Clean the ventilator and the propeller, and make sure the unit has good ventilation.</i>
<i>There is a strange noise or vibration during operation.</i>	<i>The unit is malfunctioning.</i>	<i>To prevent breakdown, turn the unit off immediately and unplug it from the data port. Contact a local repair center.</i>
<i>There is a burning smell or the case is deformed.</i>	<i>The unit is malfunctioning.</i>	<i>To prevent breakdown, turn the unit off immediately and unplug it from the data port. Contact a local repair center.</i>
<i>LED displays "E1" and the unit is not running.</i>	<i>Not enough power is being supplied to the unit.</i>	<i>Check unit whether it's plugged into the power supply of 12V or 24V, ensure that battery charge is not too low.</i>
<i>LED displays "E2" and the unit is not running.</i>	<i>The voltage being supplied to the unit is too high.</i>	<i>Check unit whether it's plugged into the power supply of 12V or 24V, ensure that input voltage is not too high.</i>
<i>LED displays "E3" and the unit is not running.</i>	<i>The temperature sensor is disconnected or faulty.</i>	<i>Check temperature sensor's plug, or replace the sensor.</i>

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

## 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 dates. 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 five 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 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**

CUSTOMERS 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 TO 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.



**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](http://www.P65Warnings.ca.gov)

Note: Nickel is a component in all stainless steel and some other metallic compositions.

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