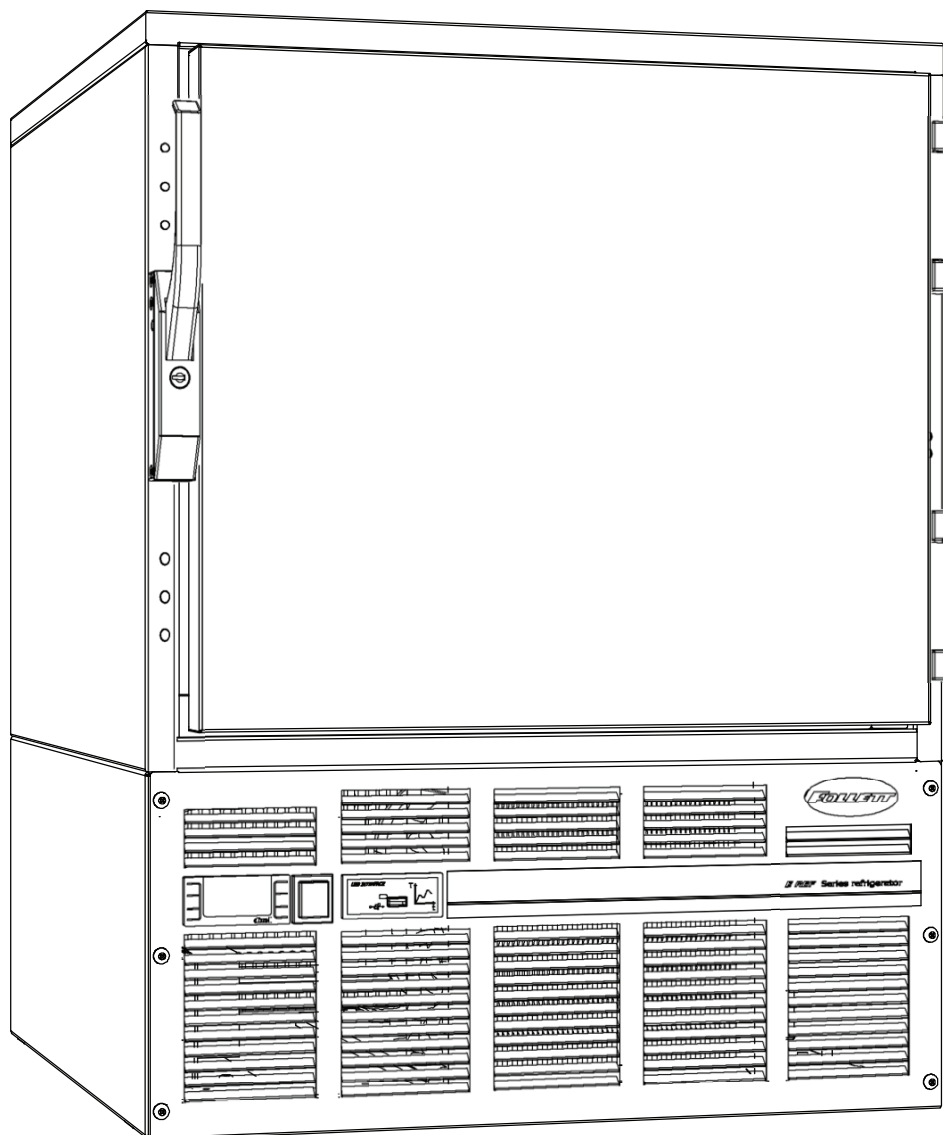


# EREF Series Undercounter Refrigerator

## Installation, Operation and Service Manual



Following installation, please forward this manual to  
the appropriate operations person.

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## Welcome to Follett

Follett equipment enjoys a well-deserved reputation for excellent performance, long-term reliability and outstanding after-the-sale support. To ensure that this product delivers that same degree of service, we ask that you take a moment to review this manual before beginning the installation. Should you have any questions or require technical help at any point, please call our technical service group at +48 58 785-6140.

## Before you Begin

After uncrating and removing all packing material, inspect the equipment for concealed shipping damage. If damage is found, notify the shipper immediately and contact Follett Corporation so that we can help in the filing of a claim, if necessary.

Check your paperwork to determine which item number you have. Follett item numbers are designed to provide information about the type of refrigerator you are receiving. Following is an explanation of the different item numbers.

Model Number	Item Number	Keypad	Stackable/Use with Pedestal
EREF	EREF4-00000		X
	EREF4-KP0000	X	X

## Specifications

### Series Specifications

- 794 mm height, 603 mm width, 654 mm depth (702 mm with handle)
- Fits below 850 mm high, ADA-compatible counter
- 103.0 L capacity

### Climate Class

- Climate class: 5

### Electrical Specifications

- 230V, 50 Hz, 1 phase
- Full load: 4.0A
- Minimum circuit ampacity: 6A
- Maximum size of branch circuit overcurrent device: 16A

### Refrigeration Specifications

Refrigerant – R404A

Charge size – 290 g

Maximum design pressures:

High side – 375/25.8 psi/bars

Low side – 174/12.0 psi/bars

### Installation Specifications

Ambient temperature must not exceed 43 C (109.4 F).

The front louvered panel must be kept free of any cabinet trim or obstructions to ensure proper ventilation of the refrigeration system.

### Important cautions

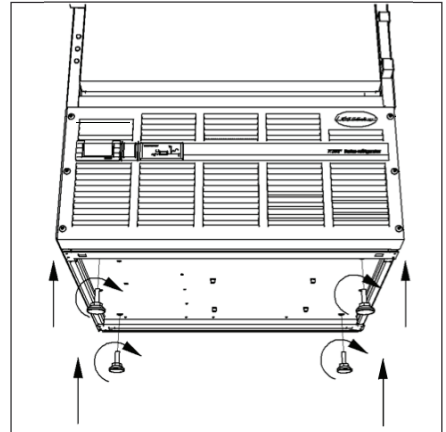
- When power cord is connected to mains, high voltage is still present on the refrigerator's electrical components; regardless the panel switch is in the OFF position!
- Equipment must be wired according to local and NEC/IEC codes.
- Always disconnect power before servicing refrigerator.
- Servicing is allowed only by qualified personnel.
- Refer to the wiring diagram prior to installation.

## Installation

### Installing Feet – Required

1. Remove feet from plastic bag packed inside refrigerator.
2. Tip refrigerator back and screw feet in all the way to stop (they will extend 2 mm below base of EREF).
3. Adjust feet as needed to level EREF in both directions. To access legs, remove the lower front panel. Turn legs clockwise to extend legs.

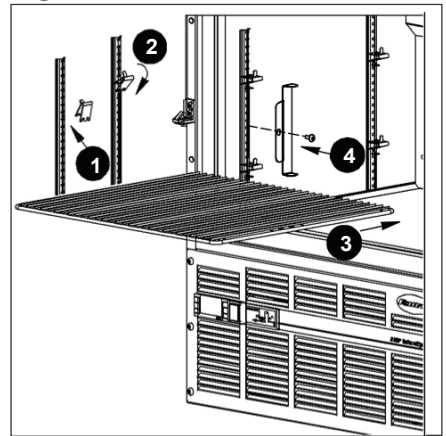
Fig. 1



### Installing Shelves – Required

1. Remove shelves and shelf brackets packed inside refrigerator.
2. Install shelf brackets in pilasters (insert top tab, squeeze and push in lower tab).
3. Position shelves on shelf brackets in a position to achieve even distance between shelves (approx. 145mm).
4. Use a pliers to remove the upper screw of the pilaster and install the bracket securing the shelves.

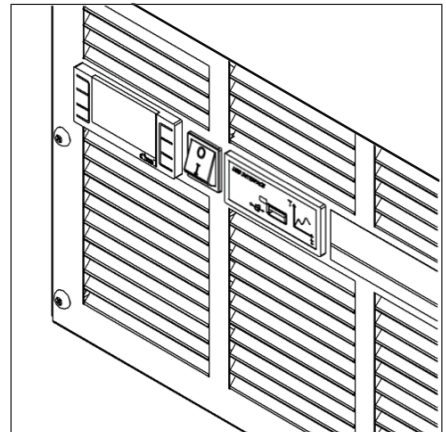
Fig. 2



### Changing Temperature Controller Settings – Optional

Follett's temperature controller is pre-programmed with a 4 C set point and °C display. The 4 C set point delivers a temperature range of 4 C – 6 C that may not meet the needs of your specific application. Follett's controller set point can be changed to deliver the required range. Refer to page 6 for instructions on changing set point.

Fig. 3



## Reversing the Door Swing – Optional

### NOTICE

When reinstalling latch and hinge screws, 242 blue Loctite\* or PERMA-LOK† MM115 MUST be applied to screws. Torque screws to 4.6 Nm.

1. Remove screws and latch from refrigerator cabinet (Fig. 4.1).
2. Use flat screwdriver to carefully remove (do not scratch) hinge covers (Fig. 5.1).
3. Support door and remove screws attaching hinge to refrigerator cabinet (Fig. 5.2).
4. Cover hinge screw holes with screw hole plugs removed from opposite side.
5. Reverse door. Apply 242 blue Loctite or PERMA-LOK MM115 to hinge screws and reinstall torqued to 4.6 Nm.
6. Reinstall latch on opposite side.
7. Remove screws and handle from door (Fig. 6.1).
8. Rotate handle (Fig. 6.2).
9. Apply 242 blue Loctite or PERMA-LOK MM115 to latch screws and reinstall torqued to 4,6Nm (25 in-lbs.).

**Note:** Refer to Keypad Lock Operation and Service Manual (# 00962928) for reversing a door equipped with a keypad lock.

Fig. 4

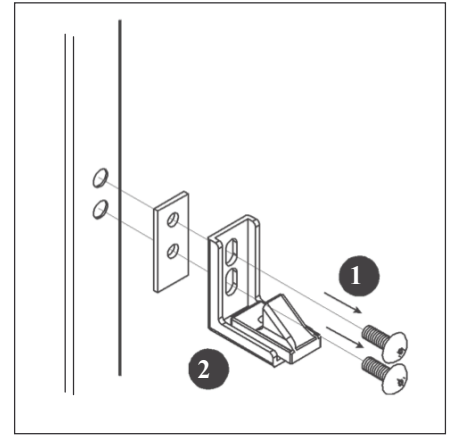


Fig. 5

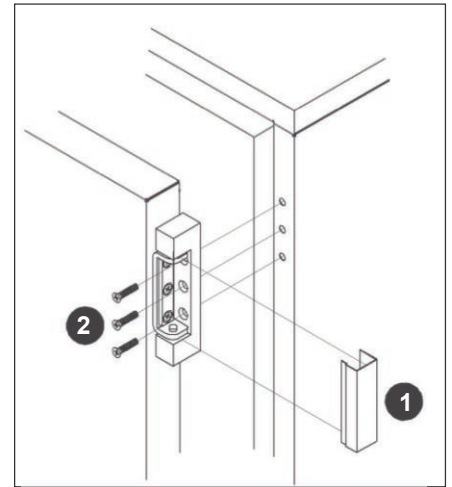
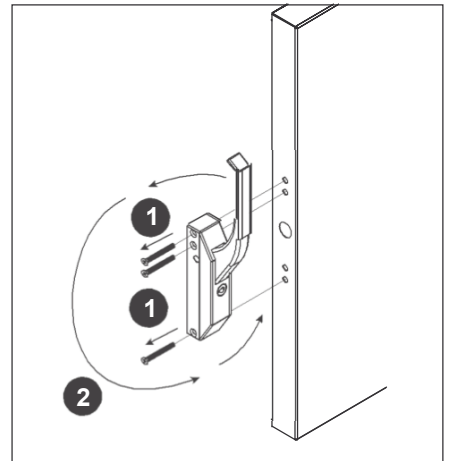


Fig. 6



\*Loctite is a registered trademark of Henkel Corporation in the United States and other countries.  
† PERMA-LOK MM115 is a registered trademark of Glotrax Polymers Inc.

## Controller Operation

In normal operation the controller displays cabinet temperatures in °C. Temperatures are displayed to 1 decimal point.

A snowflake LED displays when the compressor is running.

The controller is pre-programmed with a 4 C set point, which provides a compressor cut-in at 6 C and cut-out at 4 C. This may not meet your specific application needs. For example, many pharmaceutical manufacturers recommend that their refrigerated medications be stored between 2.2 C and 7.8 C. Instructions for changing the set point are found below.

**Note:** Follett presets the EREF4 refrigeration system to hold product temperature at approximately 4.6 C. If you are storing prepackaged food in this unit, the set point should be changed to 2.0 C with a 2.0 C differential (HY) to maintain food below 4.4 C.

Refer to the chart below for the set point for your application's required temperature range:

Set point (°C)	Cut-in/ Cut- out (°C)	Normal display range temperature (°C)
1.0	3.0/1.0	0.5 - 3.0
2.0	4.0/2.0	1.4 - 4.0
3.0	5.0/3.0	2.5 - 5.0
4.0	6.0/4.0	3.4 - 6.0
5.0	7.0/5.0	4.4 - 7.0
6.0	8.0/6.0	5.3 - 8.0
7.0	9.0/7.0	6.3 - 9.0
8.0	10.0/8.0	7.2 - 10.0

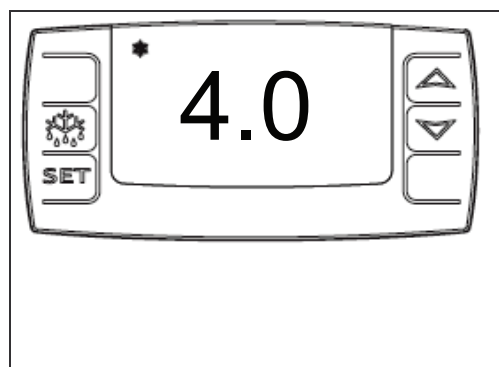
All set points have a 2 C differential (HY setting on the controller). The 2 C differential means that with a 4 C set point, for example, the compressor will turn off at 4 C and turn on when it reaches 6 C.

Because refrigerant is present in the evaporator, there can be an additional 0.5 - 0.8 C of downward "drift" in temperature after the compressor turns off. For example, with a 4 C set point and after the compressor cut-out, the temperature may momentarily display as low as 3.4 C before beginning to rise again.

To display temperature cut-out		
STEP	INPUT	DISPLAY
1	Press and release SET	Current cut-out temperature will display for approximately 5 seconds. Display will return to current refrigerator temperature.

To change temperature cut-out		
STEP	INPUT	DISPLAY
1	Press and hold SET for 3 seconds	Current cut-out temperature displayed and °C will flash.
2	Press UP or DOWN arrows to desired cut-out temperature per above table	New cut-out temperature displayed.
3	Press and release SET	New cut-out temperature blinks three times, then current refrigerator temperature will display.

Fig. 7



## Controller Security

The controller panel can be locked to prevent inadvertent or unintentional programming changes. In locked mode, the controller will display cabinet temperature and cut-out set point only.

### To lock the Controller

1. Press the UP and DOWN ARROW buttons together for 3 seconds, until “PoF” displays (will flash three times).
2. Programmer is now locked.

### To unlock the Controller

1. Press UP and DOWN ARROW buttons together for 3 seconds, until “Pon” displays (will flash 3 times).
2. Programmer is now unlocked

## “Sleep” Function

You may not want the Follett temperature display when using a third-party temperature monitoring system with its own temperature display. You can put the Follett controller “to sleep” to avoid confusion. The compressor icon remains illuminated when the compressor is running (**Fig. 8**).

1. Press BOTTOM RIGHT button to put display to sleep.
2. Press BOTTOM RIGHT button to return to display mode.

## Alarming Functions

**Note:** The refrigerator is equipped with the ON/OFF switch for the temperature controller and the data logger. The switch is placed in line with controller and data logger. When switching off the refrigerator, the data logger and the alarm will be also turned off.

Follett’s controller provides local high and low air temperature alarming. If air temperature goes above or below the set temperature range, an audible alarm sounds and the display flashes. Alarming automatically stops when the temperature returns to normal values.

Most refrigerated medications should be stored between 2 C and 8 C. The controller is factory-set to maintain product temperature at 4.8 C.

**Note:** The alarm function has a battery backup as long as the ‘controller switch’ is ON. The battery backup is provided through the power supply AC/DC unit from the maintenance-free rechargeable battery mounted next to power supply unit (see “Wiring diagram” on page 12 and drawing above EREF “Hardware” on page 17). Controller is factory-set with a high-alarm default setting of 38 C and a low- alarm default of -30 C with a 5 min delay on alarm.

Independently from the controller alarm, you may want to consider Follett’s Temperature Surveillance Module TSM (#00962944) for maximum product security (the TSM has an independent alarming function and backup battery).

If you install in the EREF unit an optional temperature surveillance module, you can use its alarming functions as well. Because the module provides high and low product temperature alarms and product temperature display, Follett recommends that you disable the controller alarming and put the controller display to 'sleep' (see “Sleep” Function on page 7). Refer to the Temperature Surveillance Module Accessory instruction (00963082) shipped with the product for set-up and operation instructions.

### To Set Low-Temperature Alarm Value

1. Press SET and DOWN ARROW and hold for 3 seconds, until HY appears.
2. Press DOWN ARROW, until ALL appears.
3. Press SET to display current setting.
4. Press UP or DOWN ARROW to change to desired temperature.
5. Press SET to accept new value.

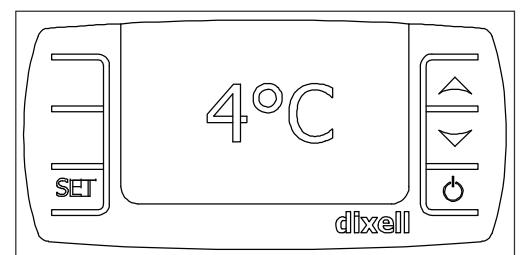
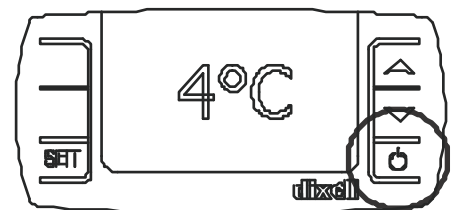
### To Set High-Temperature Alarm Value

1. Press SET and DOWN ARROW and hold for 3 seconds, until HY appears.
2. Press DOWN ARROW, until ALU appears.
3. Press SET to display current setting.
4. Press UP or DOWN ARROW to change to desired temperature.
5. Press SET to accept new value.

### To Mute the Alarm

1. Press any key to mute the alarm.
2. The alarm will not sound until another alarm occurs.

Fig. 8



## Change the Alarm Delay

The alarming feature is factory-set with a 5-min delay to avoid nuisance alarming. Follow these steps to program the delay interval from 0 to 255 min.

1. Press SET and DOWN ARROW and hold for 3 seconds, until HY appears.
2. Press DOWN ARROW, until ALd appears
3. Press SET to display current delay setting.
4. Press UP or DOWN ARROW to change to desired delay interval.
5. Press SET to accept new value.

## Power Supply Operation

Modular Power Supply unit mounted in the refrigerator is designed for continuous operation. It converts input 230 V 50 Hz (or 220 V 60 Hz) into 12 V DC output voltage.

The power supply has a built-in battery charger that charges the maintenance-free rechargeable 12 V DC backup battery. Power supply provides the Temperature Controller and the Data Logger with uninterruptible power (includes supply from the battery - see “The Battery operation” information below).

As long as there is 12 V DC present on the power supply output terminals (includes supply from the battery), the green color LED next to the power supply terminals is lit. To see if the LED is illuminated, it is necessary to remove the lower front panel—only available for authorized person (see Fig.12 on page11).

## The Battery Operation (in case of power failure)

The EREF series is equipped with battery backup for the Temperature Controller (display and temp. probe) and the Data Logger.

Backup time is minimum of 48 hours. The refrigerator must be connected to 230 V 50 Hz for a minimum of 72 hours before maximum battery is available.

Please note the lifetime of the battery is estimated to be 3 years, but the battery should be checked annually by authorized personnel.

## The Data Logger Operation

The Data Logger is supplied with 12 V DC from the power supply output (includes battery backup). When the power is turned on, the red color LED placed on the data logger front panel comes on. Data logger records temperatures measured inside the refrigerator. Measured data are stored in the data logger’s built-in memory, which can store 13100 records. While memory is full, every new record overwrites the oldest one.

Data Logger is connected to its dedicated temperature sensor, placed inside refrigerator’s cabinet (see “Wiring diagram” on page 12). The Data Logger has a USB interface on its front panel and a USB flash drive can be inserted into the USB port for data collecting. The data collected on the USB flash drive may be downloaded to your personal computer for its further treatment.

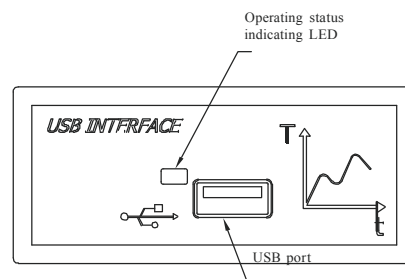
## EREF Data Logger

1. On the USB Flash Drive there is ‘G913 Interpreter.exe’ special software file, which allows you to read data archived in the Data Logger built-in memory.
2. Store the ‘G913 Interpreter.exe’ software file on your PC for any further use.
3. Read the information below and then install the software on your PC.

## To Record Data on the USB Flash Drive

NOTICE: DO NOT remove the USB Flash Drive from the data logger USB port/interface while data is being downloaded. If this caution is not observed, the electronic devices may be damaged or destroyed.

1. Insert the USB Flash Drive #00987180 (supplied with the refrigerator) into Data Logger’s USB interface.
2. The proper connection is indicated by the red color LED turning off.
3. The downloading process will continue for about 10 – 15 sec.
4. After the download process is complete, the red color LED will illuminate. The USB Flash Drive can be removed from the data logger port/interface.
5. Plug in USB Flash Drive into your PC and check Flash Drive for the new folder created with its specific name (i.e., G913\_001). The folder’s name informs about type of data logger and its service number.
6. Convert this file by using provided software G913 Interpreter.exe. Open the file in the Graphic Visualisation software to display the data. Using the instruction # 00985432 supplied with the refrigerator for that software you can set the chart in a way that fits to your data stored.



7. Every failure of the data logger's 12V DC power supply is shown by the empty line in columns where the data is typically recorded. The temperature probe error is recorder as +ERR (probe wires disconnected) or -ERR (short circuit).

## **EREF Operation**

---

The temperature control board and probe indicate when the refrigeration system is required to turn on and off. The refrigeration system removes heat from the cabinet interior and rejects it to the surrounding room air. When the cabinet interior temperature reaches 2°C above the controller set point, the probe signals the controller to turn the refrigeration system on. The normally open controller contacts close and energize the evaporator and condenser fan motors and compressor. The compressor uses a current-style starting relay and a starting capacitor to start the compressor motor.

When the cabinet interior temperature falls to the set point, the probe signals the controller to turn the refrigeration system off. The controller contacts reopen, which de-energizes the evaporator and condenser fan motors and the compressor.

Any accumulated frost on the evaporator coils melts during the off cycle. The condensate drains to a stainless steel condensate tray mounted next to the condensing unit. The heat from the condensing unit evaporates any condensate in the condensate tray.

### **Temperature Control**

The temperature control system is preset by the factory to maintain a cabinet temperature of 4 C – 6 C. If desired, the cut-out temperature can be raised as high as 8 C by following the instructions in Controller Operation on page 6 for changing the temperature set point. The 2 C cut-out differential will be maintained regardless of the controller set point.

### **Defrosting**

EREF Series undercounter refrigerators do not require manual defrosting. The unit cooler defrosts automatically when the condensing unit is in the OFF cycle.

## Cleaning

Interior: Using a sponge or soft cloth, clean unit with a non-abrasive, non-chlorinated, all-purpose detergent.

Exterior: Wipe exterior with a soft cloth in the direction of grain as needed. Stainless steel polish may be used to enhance the finish of the unit.

## Annual Cleaning



**Use only non-chlorine-based cleaners. Cleaners containing chlorine can cause staining and pitting of the stainless steel.**

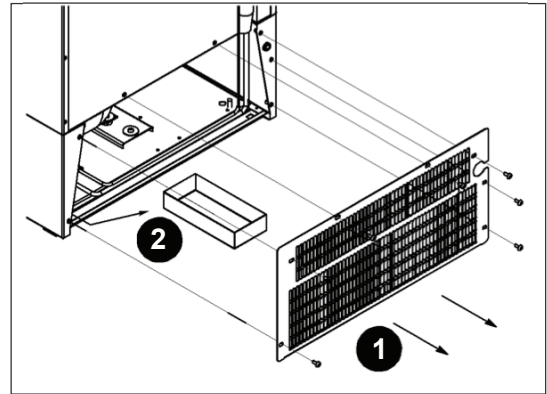
Removal of dust and other particulates from air intake areas and the condenser is important for proper operation. Some environments with large amounts of dust may require more frequent cleaning.

1. Disconnect power to unit by turning switch on the lower front panel to the OFF position, switching circuit breaker to OFF position, and removing power cord from receptacle.
2. Remove lower front and rear panels (Fig. 9.1).

**Note:** Front louvered panel may be removed for more frequent cleaning of the condenser as needed

3. Remove drain pan (Fig. 9.2).
4. Clean drain pan with a non-abrasive, non-chlorinated all-purpose detergent.
5. Reinstall drain pan.
6. Use a vacuum cleaner with brush attachment to clean condenser through lower front panel and compressor motor and related parts through lower rear panel.
7. Reinstall lower rear and lower front panels.

Fig. 9



## Service

### Latch Adjustment

To adjust for proper latch engagement

1. Loosen striker plate mounting screws (Fig. 10.1).
2. Move striker plate up or down as required and tighten screws.
3. Test operation of latch.

To adjust for proper gasket seal

1. Loosen striker depth adjustment screw (Fig. 10.2).
2. Adjust stop in or out and tighten screws.
3. Test operation of latch.

### Door Gasket Replacement

1. Remove existing gasket from mounting track.
2. Verify mounting track is free of any remaining gasket material.
3. Align new gasket with mounting track and press firmly in place.
4. Open and close door, checking for proper gasket seal without pinching against refrigerator.
5. Adjust latch and or striker as necessary for proper door closure.

### Slide-out Compressor Tray

Follett's slide-out compressor tray allows technicians to partially slide the condensing unit from the refrigerator back without cutting refrigerant lines.

1. Remove rear panel (Fig. 11.1).
2. Remove two screws and spacers securing condensate pan, and set pan aside (Fig. 11.2).
3. Remove four bolts securing condensing unit to refrigerator base (Fig. 11.3).
4. Gently slide condensing unit out (Fig. 11.4).

**Note:** Do not put undue strain on the refrigerant lines.

Fig. 10

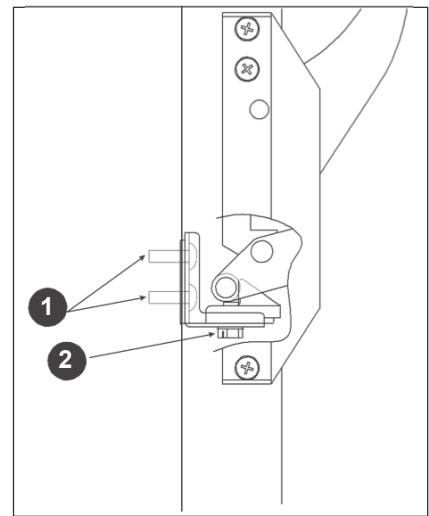
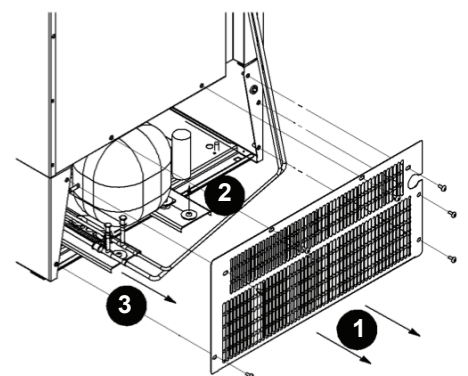


Fig. 11



## The Power Supply and/or the Battery Replacement

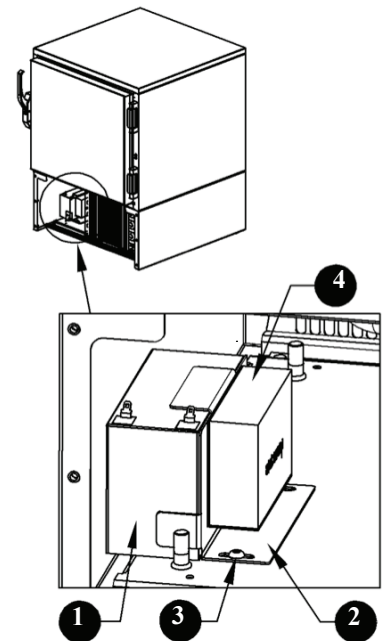


### Important cautions

- When power cord is connected to mains, high voltage is still present on the refrigerator's electrical components; regardless the panel switch is in the OFF position!
- Always disconnect power before servicing refrigerator.
- Servicing is allowed only by qualified personnel.

1. Shut down unit by moving rocker switch on the lower front panel to the OFF position and removing power cord from receptacle.
2. Remove 6 screws from front panel and slide panel forward to access the battery (Fig.12.1) and the power supply unit (Fig.12.4).
3. Disconnect front panel wiring harness at two 9-pin connectors.
4. Disconnect wires from the battery observing wires dependence to battery polarity (battery "+" = red wire).
5. Remove two bolts (Fig.12.3) securing battery bracket (Fig. 12.2) to refrigerator base (if needed, remove seven screws from the EREF rear lower panel for better access to the bolt at the back of power supply unit) and take out the power supply unit.
6. Disconnect the wire from the battery.
7. Remove the bracket with the power supply.
8. Replace the battery and prepare the power supply for replacement.
9. Remove bolts that secure the power supply.
10. Replace power supply.
11. Secure the bracket to the power supply unit by two bolts.
12. Secure battery bracket with the power supply to the EREF base.
13. Reconnect the power supply in accordance to the wiring diagram from page 13.
14. Reconnect wires to the battery observing wires dependence to battery polarity (battery "+" = red wire).
15. Reconnect front panel wiring harness at two 9-pin connectors.
16. Keeping wiring clear of condenser, replace front panel (and rear panel if it was removed).
17. Restore power and test operation.

Fig. 12



### The Data Logger Replacement

1. Shut down unit by moving rocker switch on the lower front panel to the OFF position and removing power cord from receptacle.
2. Remove six screws from front panel and slide panel forward to access back of data logger.
3. Use flat screwdriver to carefully remove data logger ambit bracket from recorder side hooks and slide the ambit bracket back and off the recorder placing it on the wires.
4. Disconnect front panel wiring harness at the 9-pin data recorder connector.
5. Carefully push the data logger and wires out through front of front panel.
6. Disconnect wires from the data logger.
7. Replace the data logger and connect the wiring diagram in accordance the wiring diagram located on the internal surface of the front panel.

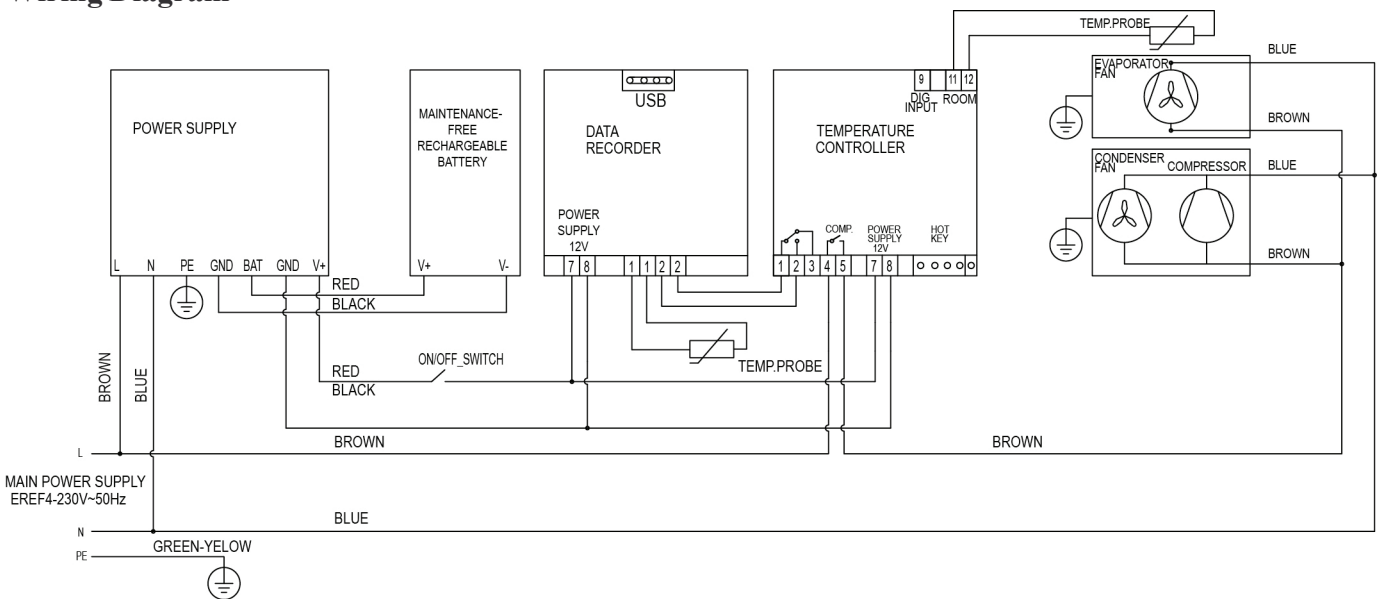
**Note:** Before starting to put the wiring through the bracket, make sure that the bracket is placed close to the back of the rear panel next to the data logger opening. Place the bracket so that the two pivots are pointing to the rear wall of the removed panel.

8. After the wires are connected, insert replacement data logger back through front of panel and slide bracket onto data logger and lock it on recorder side hooks. The bracket pivots should press on the back of EREF front panel.
9. Slide bracket onto data logger and lock it on logger side hooks. The bracket pivots should press the back of EREF front panel.
10. Reconnect 49-pin connector of wiring harness.
11. Keeping wiring clear of condenser, replace front panel.
12. Restore power and test operation.

## The Controller Replacement

1. Shut down unit by moving rocker switch on the lower front panel to the OFF position and removing power cord from receptacle.
2. Remove 6 screws from front panel and slide panel forward to access back of controller.
3. Disconnect front panel wiring harness at the 9-pin connector.
4. Push in on center of the side brackets (on controller) to release and slide brackets back and off controller.
5. Push controller and wires out through front of front panel.
6. Disconnect the wiring from the controller.
7. Using the wiring diagram attached to front panel as a guide, reconnect wires to the new controller.
8. After connecting the wires, insert replacement controller back through front of panel and slide brackets onto sides of controller and push against back of front panel.
9. Reconnect 9-pin connector of wiring harness.
10. Keeping wiring clear of condenser, replace front panel.
11. Restore power and test operation.
12. Reprogram replacement controller if necessary.

## Wiring Diagram



## Refrigeration System

The EREF Series refrigeration system is designed to give many years of trouble-free service. Except for routine cleaning of the air-cooled condenser and related parts, the refrigeration system requires no service or maintenance. The system uses a capillary tube and is critically charged. Access fittings are provided for ease of service. However, the connection of refrigeration service hoses to the fittings will almost invariably result in a significant change in the system charge. This change can adversely affect the performance of your refrigerator. Therefore, Follett recommends that if hoses are ever connected to the refrigeration system for service, the refrigerant should be recovered, the system evacuated, and recharged by weighing in the correct refrigerant charge.

**Note:** Do not charge the system by pressures.

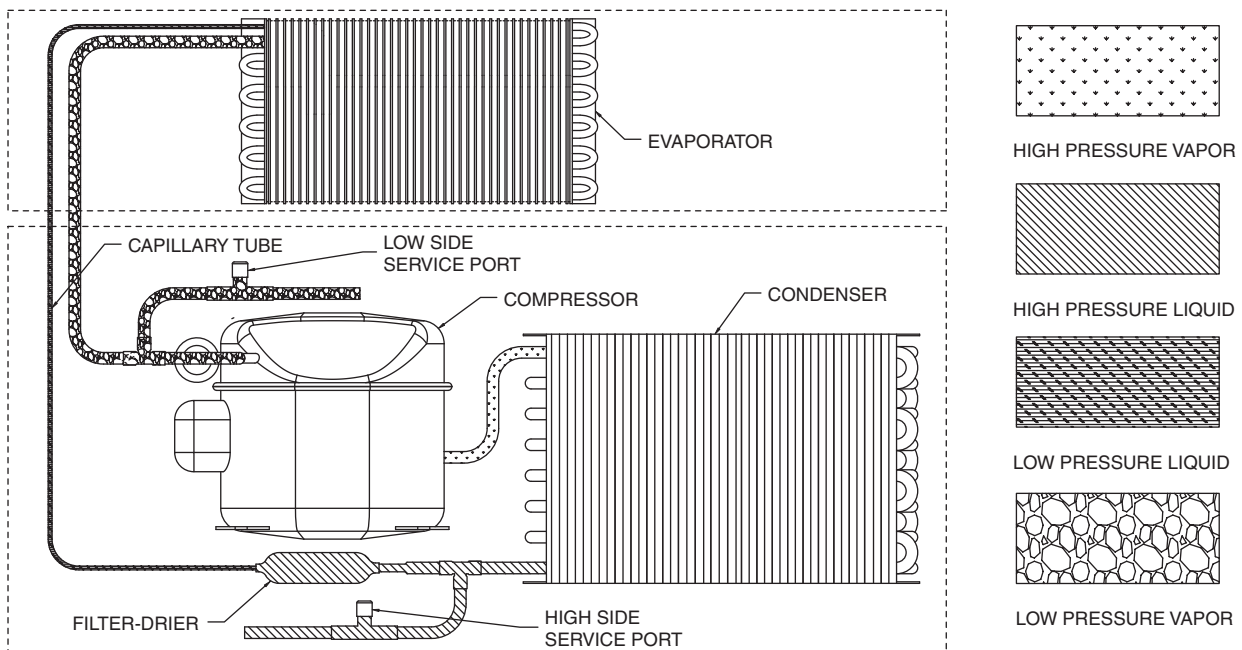
## Checking Refrigeration System Pressures

1. Remove the rear access panel (Fig. 11).
2. Turn the power switch to the on position.
3. Following the instructions on page 6, verify that the temperature controller is set to the original factory cut-in setting of 6 C.
4. Allow the refrigerator to operate and stabilize at least 30 minutes, verifying the cut-out temperature is being reached.
5. Connect refrigerant hoses to access fittings and measure air temperature at condenser intake grille.
6. Verify correct pressures with the temperature chart below.
7. Troubleshoot refrigeration system as needed.

<b>Condenser inlet air temperature (C)</b>	20	26	32	38
<b>Discharge pressure (bar)</b>	20.2	20.5	22.5	23.5
<b>Suction pressure (bar)</b>	2.7	2.8	2.9	3.1

**Note:** Do not attempt to obtain correct refrigeration pressures by adjusting the system charge.

## Refrigeration System Diagram



# Refrigerator Troubleshooting Guide

## Before calling for service

1. Check that unit is plugged in.
2. Test outlet with another appliance to verify power.

Symptom	Possible cause	Solution
Refrigerator does not operate (no components run).	Power switch faulty or in OFF position; loose connection.	Turn power switch to ON position; check switch and connections.
	Refrigerator not plugged in.	Connect plug.
	No power to cord.	Restore power.
	Temp controller not energizing components.	Check controller contact terminals for power. If controller is not powered from the power supply, check the power supply and its input ac voltage level. Check output terminals (4-5). Replace controller if needed.
	Temp controller does not operate (display does not illuminate).	Check the power supply. If there is no power supply output voltage (12V DC) check the AC power line (L-N) and check the battery. Restore power to power supply (battery should recharge). Replace power supply if needed.
	Probe not sensing cut in temperature.	Replace controller and/or probe.
Compressor does not run.	Thermal overload open or defective.	Allow to cool or replace.
	Capacitor and/or relay defective.	Replace as required.
	Compressor defective.	Replace compressor.
Evaporator fan motor does not run.	Defective fan motor.	Replace fan motor.
Refrigerator does not shut off.	Controller not sensing cut off temperature.	Replace controller and/or probe.
	Controller keeping refrigeration system energized.	Replace controller.
Refrigerator does not maintain temperature (all components run).	Condenser or evaporator coil needs cleaning.	Clean coils as needed.
	Faulty door gasket.	Replace door gasket.
	Excessively high ambient.	Maximum recommended ambient is 43 C (109.4 F)..
	Refrigerant leak.	Locate and repair leak.
	Incorrect refrigerant charge.	Recover, evacuate and weigh in correct charge.
	Plugged capillary tube.	Replace capillary tube.
	Inefficient compressor.	Consult technical service.
Temperature controller defective	Replace temperature controller.	

If problems persist after following the troubleshooting guide, contact Follett Technical Service at +48 58 785-6140.

## Accessory Installation

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The following instruction sheets are available in the download section of the Follett Europe website [www.folletteurope.com](http://www.folletteurope.com) and in the Library section (Service Literature) of <http://www.follettice.com>.

### **Temperature Surveillance Module Accessory for EREF**

- Reference instruction 00963082 (packed with module)

### **Pedestal Base for EREF**

- Reference instruction 00962936 (packed with base)

### **Stacking Kit for EREF**

- Reference instruction 00962902 (packed with stacking kit)

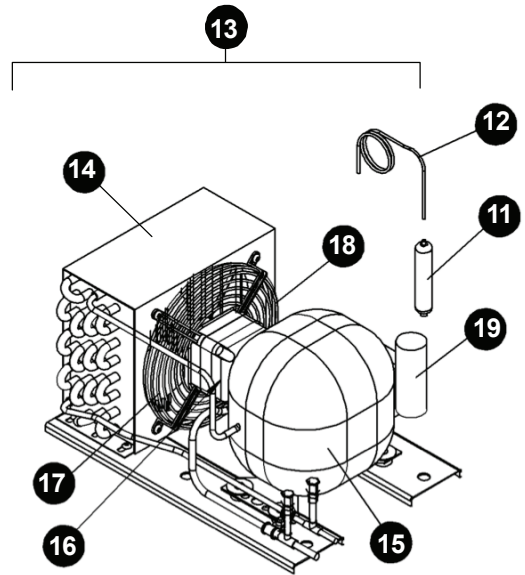
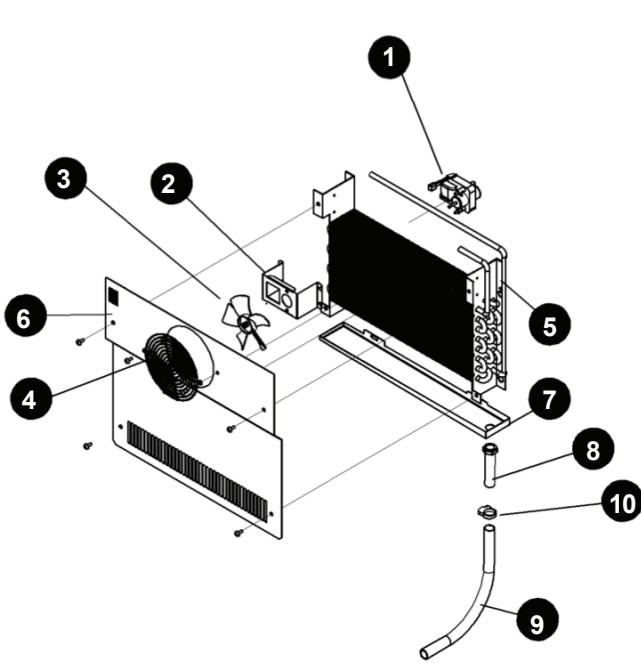
### **150 mm Adjustable Legs for EREF**

- Reference instruction 00973594 (packed with legs)

### **Additional Shelf for EREF**

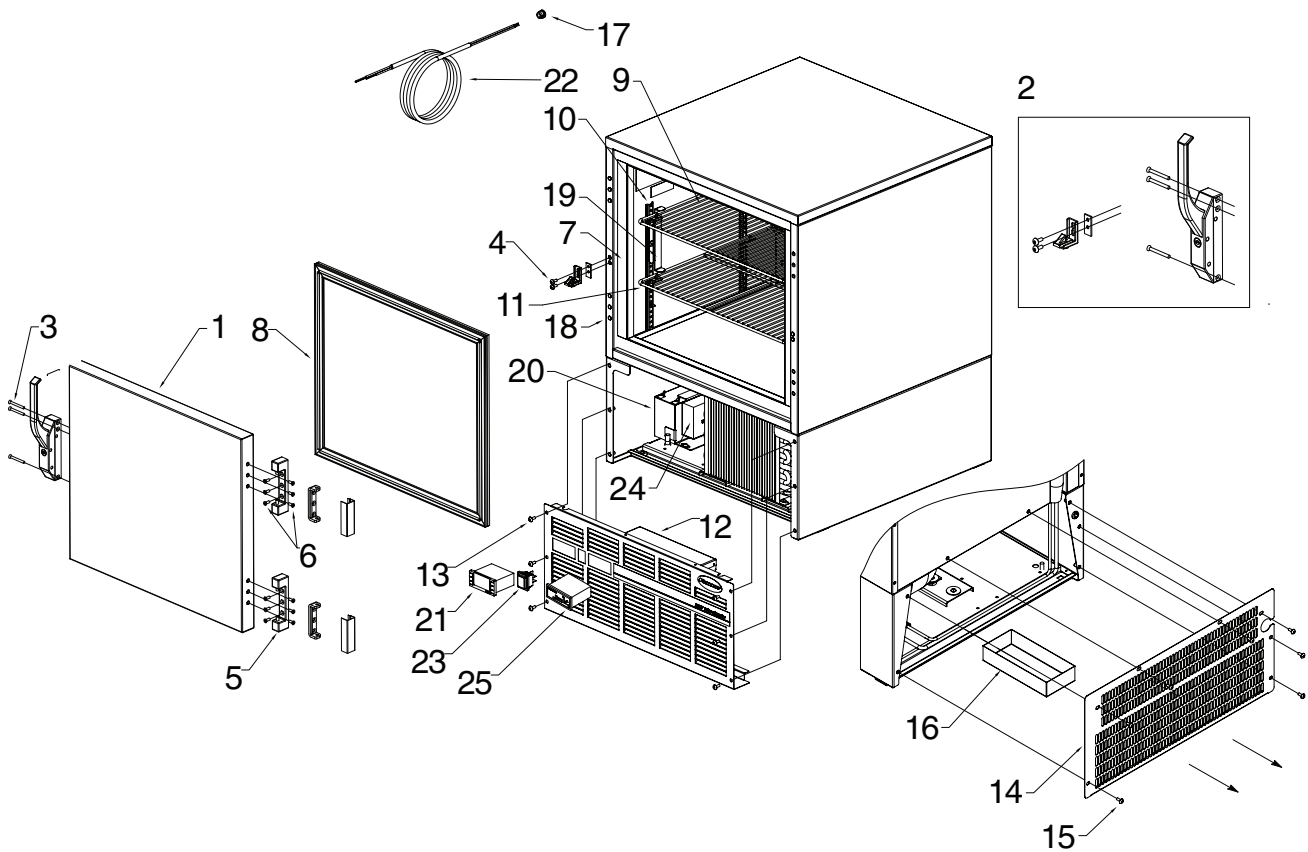
- Reference instruction 00973610 (packed with shelf)

# Replacement Parts



## Refrigeration

Reference #	Description	Part #
1	Fan motor 1/115HP 230V50Hz evaporator	00972000
2	Bracket, fan motor	00972901
3	Fan blade	00152991
4	Fan guard	00971242
5	Evaporator	00916049
6	Cover, evaporator (includes 0097242 and screws)	00973552
7	Drain pan, evaporator (includes 00987156,00972265, 00972109, 00962787)	00973560
8	Drain tube threaded, drain pan, evaporator (included gasket and nut)	00972109
9	Drain tube transparent PVC, drain pan, evaporator	00987156
10	Clamp for PVC transparent drain tube, drain pan, evaporator	00972265
11	Filter drier	00139436
12	Capillary tube	00987164
13	Condensing unit	00963058
14	Condenser	00973370
15	Compressor	00973388
16	Condenser fan motor	00973396
17	Condenser fan blade	00973404
18	Condenser fan wire shield/bracket	00973412
19	Starting capacitor, 230V50Hz	00973420
Not shown	Overload protector, 230V50Hz	00987198
Not shown	Starting relay, 230V50Hz	00987206



## Hardware

Reference #	Description	Part #
1	Door, EREF4 (incl. gasket – 540 mm x 470 mm, 21 3/8" x 18 5/8")	00973453
2	Latch & striker (includes screws)	00973461
3	Latch screws (each – 3 per latch)	00972059
4	Striker screws (each – 2 per striker)	00912295
5	Hinge (each, includes screws – 2 hinges required for EREF4)	00973537
6	Hinge screws (each – 6 per hinge)	00931949
7	Strip sealer (set of 4), EREF4	00973479
8	Gasket, EREF4 (543 mm x 473 mm, 21 3/8" x 18 5/8" door)	00127738
9	Shelf	00971234
10	Pilaster (each)	00962795
11	Shelf support (snap-in, each)	00971978
12	Lower front panel (includes DUCT AIR and screws)	00973487
13	Front panel screws (each – 6 per panel)	00912295
14	Rear panel (includes screws)	00973495
15	Screws, rear panel (each – 7 per panel)	00912295
16	Condensate tray	00973503
17	Strain relief, power cord	00972406
Not shown	Key for latch	00973511
Not shown	Sealer mastic, entry port for temperature probe in rear panel	00987172
18	Finishing plug (each)	00972067
Not shown	Leveling foot (each)	00971960
Not shown	Adjustable leg, 150 mm (each)	00972521
19	Shelf locking bracket	00915686
Not shown	Grommet	00986810

## Electrical Components

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20	Maintenance-free rechargeable battery 12V	00971945
21	Temperature controller	00962969
Not shown	Temperature probe and harness(for temperature controller)	00973651
22	Power cord (without plug)	00973644
23	Power switch, recessed mount	00114371
Not shown	Programming key °C preprogrammed	00973529
24	Power supply, 230V 50Hz	00971952
25	Data logger	00965558
Not shown	Temperature probe and harness for data logger	00927947
Not shown	USB Flash Drive for data logger with software	00987180

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## Door Brackets for Automated Medication Dispensing Systems Compatibility

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Not shown	Omnicell door bracket	00915587
Not shown	Pyxis door bracket	00114702

## Chart Recorder Related Items

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Not shown	Gasket bottle, 125ml	00171124
Not shown	Bottle, with cup, 125ml (gasket not included)	00171116
Not shown	Bracket extended, bottle	00962621
Not shown	Battery	00972711
Not shown	Chart, 6" (1524 mm) 7-day,7 day (60 pcs.)	00162099
Not shown	Pens replacement (qty 6)	00162081
Not shown	Temperature probe (chart recorder)	00162073



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