

Electrolux

Operator Manual

Original language

Simplicity™ Bubbler R290 Cold Beverage Dispensers

EN

DK

DE

ES

FI

FR

IT

NL

NO

SV



Model CS-2E-16-290



Model CS-31L-16-290



Model CS-2D-16-290



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Thank you for purchasing this quality cold beverage dispenser. For your safety and the safety of others, read all warnings and the operator's manual before installing or using the product. Properly instruct all operators. Keep training records. For future reference, record serial number here:

Electrolux Professional SPA
Viale Treviso 15
33170 Pordenone
www.electrolux-professional.com
Printed in Thailand



Electrolux

1118 Form # EL-309-01
Part # 390-00331

Safety Information



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



This symbol means read the operator manual for important safety information.



This symbol means electrical shock hazard. Failure to follow safety instructions may cause electrical harm.



This symbol means do not use unit with damaged plug or cable or electrical shock hazard may result.



This symbol means moving parts hazard. Failure to follow safety instructions may cause cutting or crushing injury.



This symbol means mechanical hazard. To avoid mechanical hazards, only qualified service technicians should open this panel to perform electrical and mechanical adjustments or repairs.



This symbol means electrical shock hazard. To avoid electrical hazards, only qualified service technicians should open this panel to perform electrical and mechanical adjustments or repairs.



DANGER: Propane gas (R290) is flammable, odorless gas. While working on a machine, no smoking and no open flames should be permitted.



DANGER: Risk of Fire or Explosion. Flammable Refrigerant Used. Do Not Use Mechanical Devices To Defrost Refrigerator. Do Not Puncture Refrigerant Tubing".



DANGER-Risk of Fire Or Explision. Flammable Refrigerant Used. To Be REpaired By Trained Service Personnel. Do Not Puncture Refrigerant Tubing.



CAUTION-Risk of Frie Or Explosion. Flammable Refrigerant Used. Consult Repair Manual/Owner's Guide Before Attempting To Install or Service This Product. All Safety Precautions Must be Followed.



CAUTION: Propane gas (R290) is heavier than air, and can be considered an asphyxiant. May displace oxygen and cause rapid suffocation, and is odorless. In the event of an accidental release, evacuate, then ventilate the area. Do not permit any ignition sources to approach until the area has been safely ventilated.

Safety Information (cont.)

For your safety and the safety of others, read all warnings and the operator's manual before installing or using the product.

DANGER: This term warns the user of imminent hazard that will result in serious injury or death.

WARNING: This term refers to a potential hazard or unsafe practice, which could result in serious injury or death.

CAUTION: This term refers to a potential hazard or unsafe practice, which could result in minor or moderate injury.

NOTICE: This term refers to information that needs special attention or must be fully understood.

WARNING

Do not deform plug or cord. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid a hazard.

Unit must be grounded (earthed).

Follow national and local electrical codes.

Always unplug unit from power supply before servicing or cleaning.

Do not clean appliance with a water jet. Do not install appliance in an area where a water jet could be used.

FAILURE TO COMPLY RISKS PERSONAL INJURY, SHOCK HAZARD, FIRE, OR DAMAGE TO EQUIPMENT.

CAUTION

Lifting hazard. Single person lift could cause injury. Use assistance when moving or lifting.

Sharp edges can cause personal injury. Handle with care.

This appliance is designed for dispensing cold beverages. Any other use is deemed improper.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

This appliance can be used by children aged from 8 years and above and persons with reduced physical sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

Cleaning and user maintenance shall not be made by children without supervision.

Children should be supervised to ensure that they do not play with the appliance.

If appliances is intended for professional use only, appliance must be installed in locations where its use and maintenance is restricted to trained personnel. If appliance is intended to be used by untrained persons, appliance must be installed in locations where it can be overseen by trained personnel.

For safe and proper operation the appliance has to be placed in a stable horizontal position.

NOTICE

Observe machine voltage configuration. Do not apply improper voltage to machine or damage to machine will occur.

Do not use extension cord. This dispenser is not suitable for outdoor use.

Clean and sanitize unit before first use. This dispenser is suitable for use at any altitude and at ambient temperatures between 4°C and 30°C.

For safe and proper operation, the appliance must be placed in a stable, vertical position.

Airborne noise emissions: Measured A-weighted noise levels of the product are less than 70dB(A).

Recycling information:

Electrical and electronic equipment (EEE) contains materials, components and substances that may be hazardous and present a risk to human health and the environment when waste electrical and electronic equipment (WEEE) is not handled correctly.

Equipment marked with the below crossed-out wheeled bin is electrical and electronic equipment. The crossed-out wheeled bin symbol indicates that waste electrical and electronic equipment should not be discarded together with unseparated household waste, but must be collected separately.



For this purpose all local authorities have established collection schemes under which residents can dispose waste electrical and electronic equipment at a recycling centre or other collection points, or WEEE will be collected directly from households. More detailed information is available from the technical administration of the relevant local authority.

Users of electrical and electronic equipment must not discard WEEE together with household waste. Residents must use the municipal collection schemes to reduce adverse environmental impacts in connection with disposal of waste electrical and electronic equipment and to increase opportunities for reuse, recycling and recovery of waste electrical and electronic equipment.

Additional Notices



Foreword

The installation, use, and maintenance manual (hereinafter Manual) provides the user with information necessary for correct and safe use of the machine (hereinafter "machine" or "appliance").

The following must not be considered a long and exacting list of warnings, but rather a set of instructions suitable for improving machine performance in every respect and, above all, preventing injury to persons and animals and damage to property due to improper operating procedures.

All persons involved in machine transport, installation, commissioning, use and maintenance, repair and disassembly must consult and carefully read this manual before carrying out the various operations, in order to avoid wrong and improper actions that could compromise the machine's integrity or endanger people. Make sure to periodically inform the user regarding the safety regulations. It is also important to instruct and update personnel authorized to operate on the machine, regarding its use and maintenance.

Manual

The manual must be available to operators and carefully kept in the place where the machine is used, so that it is always at hand for consultation in case of doubts or whenever required.

The manual must be carefully kept for the entire life of the machine, until scrapping.

The manual must stay with the machine in case of transfer, sale, hire, granting of use or leasing.

This manual is intended for:

- the carrier and handling personnel;
- installation and commissioning personnel;
- the employer of machine users and the workplace manager;
- operators for normal machine use;

Additional Notices (cont.)

• specialized technicians - after-sales service.

If, after reading this manual, there are still doubts regarding machine use, do not hesitate to contact the Manufacturer or the authorized Service Center to receive prompt and precise assistance for better operation and maximum efficiency of the machine. During all stages of machine use, always respect the current regulations on safety, work hygiene and environmental protection. It is the user's responsibility to make sure the machine is started and operated only in optimum conditions of safety for people, animals and property.

The manufacturer declines any liability for operations carried out on the appliance without respecting the instructions given in this manual.

Copyright

No part of this manual may be reproduced. This manual is intended solely for consultation by the operator and can only be given to third parties with the permission of manufacturer.

Rating / data plate

When installing the appliance, make sure the electrical connection is carried out in compliance with that specified on the data plate (rating plate) on back of machine. Do not remove, tamper with, or make the machine's marking illegible. Refer to the data given on the machine's marking for relations with the Manufacturer (e.g. when ordering spare parts, etc.). When scrapping the machine, the marking must be destroyed.

Responsibility / Liability

The Manufacturer declines any liability for damage and malfunctioning caused by:

- non-compliance with the instructions contained in this manual;
- repairs not carried out in a workmanlike fashion, and replacements with parts different from those specified in the spare parts catalogue (the fitting and use of non-original spare parts and accessories can negatively affect machine operation and invalidates the warranty);
- operations by non-specialized technicians;
- unauthorized modifications or operations;
- inadequate maintenance;
- improper machine use;
- unforeseeable extraordinary events;
- use of the machine by uninformed and untrained personnel;
- non-application of the current provisions in the country of use, concerning safety, hygiene and health in the workplace.

The Manufacturer declines any liability for damage caused by arbitrary modifications and conversions carried out by the user or the Customer.

The employer, workplace manager or service technician are responsible for identifying and choosing adequate and suitable personal protection equipment to be worn by operators, in compliance with regulations in force in the country of use.

Manufacturer declines any liability for inaccuracies contained in the manual, if due to printing or translation errors.

Any supplements to the installation, use and maintenance manual the Customer receives from the Manufacturer will form an integral part of the manual and therefore must be kept together with it.

Reasonably foreseeable improper use

Improper use is any use different from that specified in this manual. During machine operation, other types of work or activities deemed improper and that in general can involve risks for the safety of operators and damage to the appliance are not allowed.

Reasonably foreseeable improper use includes:

- lack of machine maintenance, cleaning and periodical checks;
- structural changes;
- tampering with the guards or safety devices;
- wrong machine installation;
- placing in the machine any objects other than coffee beans;
- non-compliance with the requirements for correct machine use;
- other actions that give rise to risks not eliminable by the Manufacturer.

ATTENTION The previously described actions are prohibited!

Residual risks

The machine has several risks that were not completely eliminated from a design standpoint or with the installation of adequate protection devices. Nevertheless, through this manual the Manufacturer has taken steps

Additional Notices (cont.)

to inform operators of such risks. For the Customer's complete information, the residual risks remaining on the machine are indicated below: such actions are deemed improper and therefore strictly forbidden.

Residual risk	Description of hazardous situation
Electrocution	Contact with live parts during maintenance operations carried out

Operator requirements

Characteristics of personnel trained for normal machine use.

The Customer must make sure the personnel for normal machine use are adequately trained and skilled in their duties, as well as ensuring their own safety and that of other persons. The Customer must make sure his personnel have understood the instructions received and in particular those regarding work hygiene and safety in use of the machine.

Characteristics of personnel enabled to operate on the machine

The Customer is responsible for ensuring that persons assigned to the various duties:

- read and understand the manual;
- receive adequate training and instruction for their duties in order to perform them safely;
- receive specific training for correct machine use.

Operator qualified for normal machine use

He must have at least:

- knowledge of the technology and specific experience in operating the machine;
- adequate general basic education and technical knowledge for reading and understanding the contents of the manual;
- including correct interpretation of the drawings, signs and pictograms;
- sufficient technical knowledge for safely performing his duties as specified in the manual;
- knowledge of the regulations on work hygiene and safety.

In case of a significant anomaly (e.g. short circuits, wires coming out of the terminal block, motor breakdowns, worn electrical cable sheathing, etc.) the operator for normal machine use must:

- immediately unplug unit.

⚠ WARNING: ELECTRIC SHOCK HAZARD! Machine maintenance, checking and overhaul operations must only be carried out by a specialised technician or the After-Sales Service, provided with suitable tools and ancillary means.

Put the machine in safe conditions before starting any maintenance operation.

Respect the requirements for the various routine and extraordinary maintenance operations. Non-compliance with the instructions can create risks for personnel.

After carrying out maintenance make sure the machine is able to work safely and, in particular, that the protection and safety devices are efficient.

Scrapping


When scrapping the machine, the "CE" marking, this manual and other documents concerning the appliance must be destroyed.

Specifications


Model	Description	Dimensions (H x W x D)	Electrical
CS-2E-22-290	(2) 9L bowls, agitator Locking Lid model.	73 cm x 27 cm x 45 cm	230V / 50 HZ / 0.4 kW
CS-4E-22-290	(4) 9L bowls, agitator Locking Lid model.	73 cm x 52 cm x 45 cm	230V / 50 HZ / 1.0 kW
CS-1D-22-290	(1) 18L bowl, agitator Locking Lid model.	73 cm x 27 cm x 45 cm	230V / 50 HZ / 0.4 kW
CS-2D-22-290	(2) 18L bowls, agitator Locking Lid model.	73 cm x 52 cm x 45 cm	230V / 50 HZ / 1.0 kW
CS-3D-22-290	(1) 18L bowl, (2) 9L bowls, agitator Locking Lid	73 cm x 52 cm x 45 cm	230V / 50 HZ / 1.0 kW
CS-3L-22-290	(3) 18L bowls, agitator model Locking Lid model.	83 cm x 52 cm x 45 cm	230V / 50 HZ / 1.0 kW

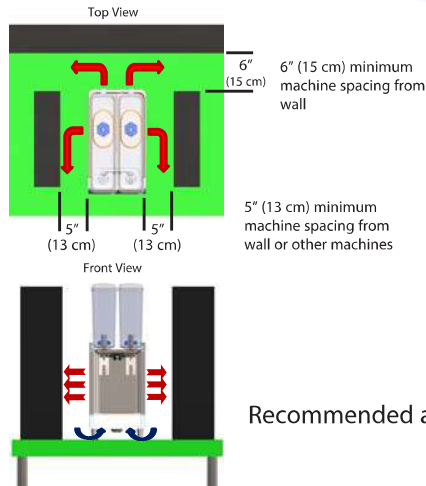
Installation and Set-Up


- Place machine on counter with proper spacing.
 - The appliance must be placed in a horizontal position.
 - The appliance is suitable for indoor use only.

-  Place dispenser on stable counter strong enough to support its weight.



-  Allow 5" (13 cm) on sides and 6" (15 cm) on back for proper ventilation.



-  Position machine away from heat emitting objects (i.e. ovens, grills, refrigeration equipment).




Recommended ambient temperature 75° F (25° C).

- Install power cord.


- Note proper voltage.




 Observe machine voltage configuration. Do not apply improper voltage to machine or damage to machine will occur.

- Plug cord into power outlet.



-  Do not use extension cord.

 Failure to follow proper installation guidelines can damage equipment and void warranty.

CAUTION/ ATTENTION/ ATENCIÓN

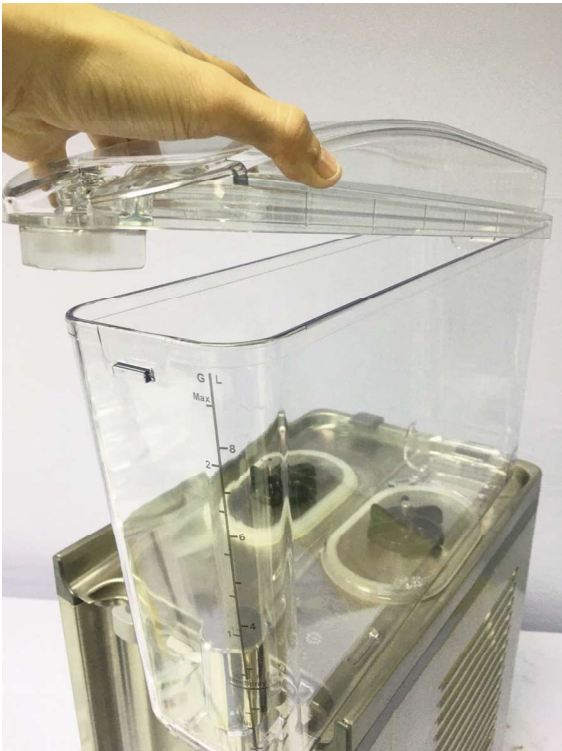
- This appliance is not intended for the use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- This appliance is only to be installed in locations where it can be overseen by trained personnel.

Installation - Agitator Function (Model CS-XX-YY)

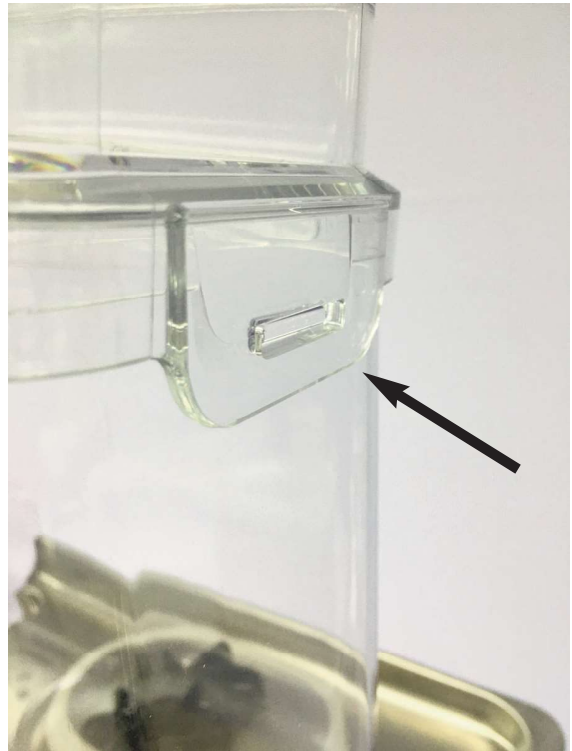
<p>1. </p> <p>Install mixing impeller.</p>	<p>2. </p> <p>Install bowl gasket.</p>	<div style="background-color: yellow; border: 1px solid black; padding: 5px;"> <p>⚠ CAUTION/ ATENCIÓN/ ATTENTION Sharp edges can cause personal injury. Handle with care.</p> </div> <p>Replace axle if flange thickness is less than 0.75mm (0.03 inch) thick.</p> <p>Replace impeller if bearing surface is worn more than 0.5mm (0.02 inch) thick.</p>  <p>Inspect for wear.</p>
<p>3.  </p> <p>a. b.</p> <p>Place o-ring on dispense valve (check if nicked or twisted). Place in bowl.</p>	<p>4. </p> <p>Install assembled bowl. NOTICE/ AVIS/ AVISO: Machine must be OFF.</p>  <p>Insert bowl lip underneath of lock position on the back of top tray.</p>  <p>Then, press down on the front of the bowl until you hear a click indicating the bowl is locked properly in place.</p>	
<p>5. </p> <p>Install handle.</p>	<p>6. </p> <p>Flip out support bracket for drip tray.</p>	<p>7. </p> <p>Place drip tray cover on drip tray.</p>  <p>Install drip tray.</p>
<p>8.  </p> <p>a. b.</p> <p>Mix product in clean container. Fill bowl with product.</p>	<p>9. </p> <p>Install bowl cover.</p>	<p>10.  </p> <p>Turn power "on".</p>

Installation - Locking Lid models

1. To attached locking lid ,tilt lid and align back tab on bowl to slot in lid.



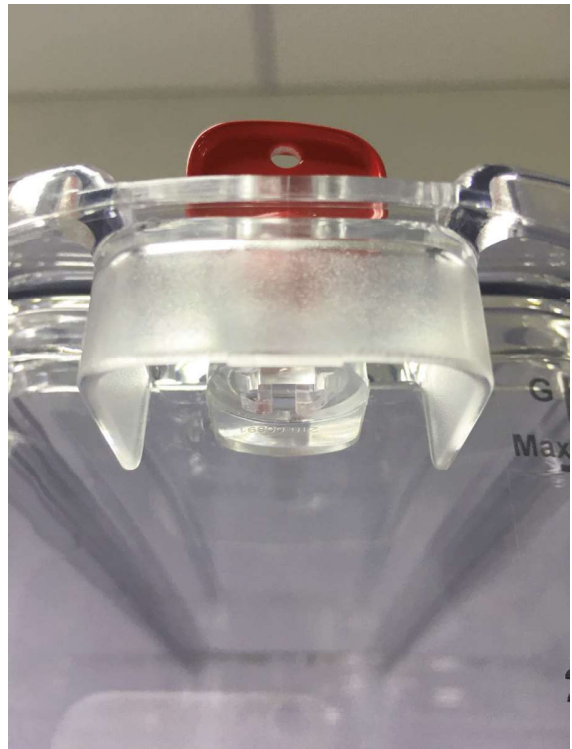
2. See back tab below.





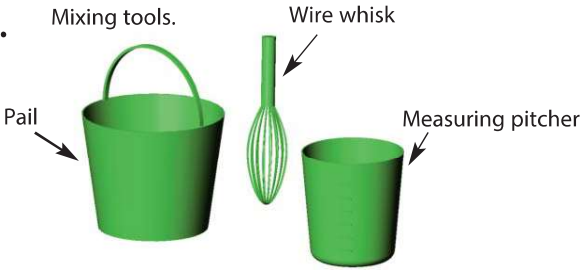





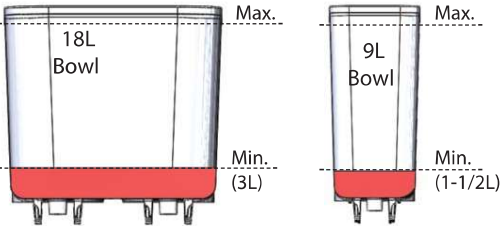
3. Bring lid down in front. Note - start with the key in the "unlock" position as shown below.



4. Lock by turning key 90°. Remove key and secure. Extra keys can be ordered as spare parts.



Product Preparation & Use

<p>1.  Wash hands thoroughly when handling dispenser and product.</p> 	<p>2. Mixing tools.</p>  <p>Use only clean mixing tools to prepare product.</p>
<p>3.</p>  <p>To ensure safe and quality beverage, use only reliable, purified, or potable water source to prepare the product.</p>	<p>4.</p>  <p>Prepare beverage by mixing concentrate with water using wire whisk until completely dissolved. Follow recommended dilution per product label.</p>
<p>5.</p>  <p>Pour beverage into dispenser. Beverage should be prechilled. Do not add hot liquid directly into dispenser.</p>	<p>6.</p>  <p>Install lid. Turn on main power switch.</p>
<p>7.</p>  <p>Correct way to dispense. Incorrect way to dispense.</p>	<p>8.</p>  <p>Always observe minimum 3 liter (18L bowl) or 1-1/2 liter (9L bowl) fill level to prevent foaming of product at low level.</p>
<p>9. PRODUCT PREPARATION AND USE</p> <ol style="list-style-type: none"> 1. Prepare beverage in a separate container by mixing concentrate with water using wire whisk until completely dissolved. Follow recommended dilution per product label. Prechill beverage. 2. Pour beverage into dispenser. 3. Install lid and turn on main power switch. 4. 25~30° C (77~86° F) ambient temperature is suitable for the operation. 5. This machine maintains beverage temperature of 1~5° C (34~41° F). 6. The dispenser is not for dispensing potentially hazardous beverage. 	

Daily Cleaning Machine Disassembly

DAILY						
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			



1.



Turn power "off".

2.



Remove drip tray and cover.

3.



Rotate support brackets for drip tray.

4.



Drain bowl.

5.



Remove handle.

6.

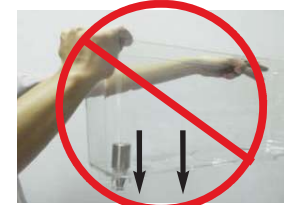


Remove bowl cover.



Press release latch on front of the machine before removing the bowl.

NOTICE/ AVIS/ AVISO: FRAGILE!



Do not drop.

7.



Remove valve with seal.

8.



Remove bowl gasket.

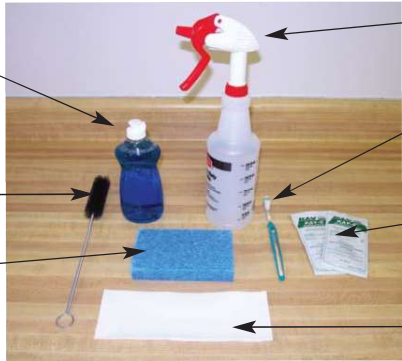
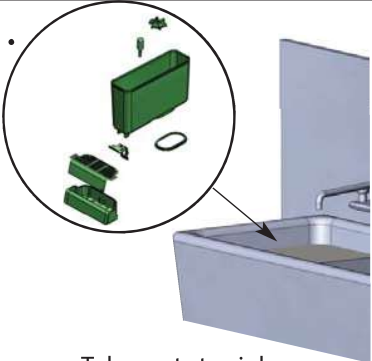





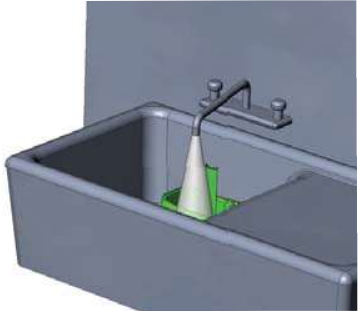





9.



Remove mixing impeller.

Daily Cleaning (cont.)

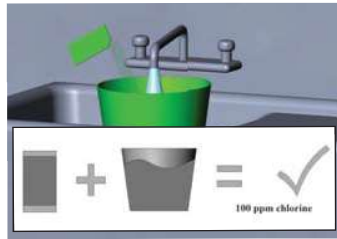
Cleaning Procedures

<p>Cleaning Materials & Tools</p>  <p>liquid detergent (do not use laundry bar/ powdered detergents)</p> <p>long brush</p> <p>foam/sponge (do not use abrasive)</p> <p>sprayer</p> <p>toothbrush</p> <p>sanitizer (chlorine based)</p> <p>paper towels</p>	<p>1.</p>  <p>Take parts to sink.</p>	
<p>2.</p>  <p>Units with spray agitators: Remove pump cover and spray tube.</p>	<p>3. a.</p>  <p>b.</p>  <p>Lift out dispense valve and remove o-ring.</p>	<p>4.</p> <p>50°C (122°F) Maximum water temperature for cleaning.</p>  <p>75mm (3 inch) Maximum water level for cleaning</p>  <p>Wash with detergent and warm water.</p>
<p>5.</p>  <p>Rinse with clean water.</p>	<p>6.</p>   <p>Wipe evaporator plate with detergent and warm water.</p>	<p>7.</p>   <p>Clean front panel, exterior panels and release latch.</p>
<p>8.</p>  <p>Clean counter and bottom part of dispenser with paper towel.</p>	<p>9. THOROUGHLY CLEAN ALL PARTS IN WARM WATER USING A MILD NON-ABRASIVE DETERGENT AND RINSE THOROUGHLY.</p> <div style="border: 1px solid black; padding: 5px;"> <p>NOTICE/ AVIS/ AVISO: ABRASIVES WILL SCRATCH PLASTIC PARTS. WASH BOWL LIDS IN COOL OR LUKEWARM WATER TO AVOID LEAKS DUE TO SEALED SURFACE BEING DAMAGED.</p> <p>NOTICE/ AVIS/ AVISO: The appliance is not suitable for installation in an area where a water jet could be used. The appliance must not be cleaned by water jet .</p> </div>	

Daily Cleaning (cont.) Daily Sanitizing

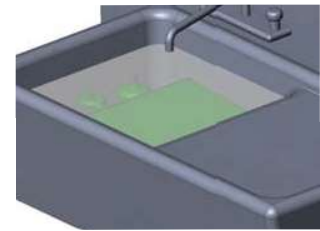
DAILY						
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

1.



Prepare 8L of chlorine-based sanitizing solution (to 100 ppm) per package instructions.

2.



Submerge parts in solution for 15 minutes.

3.



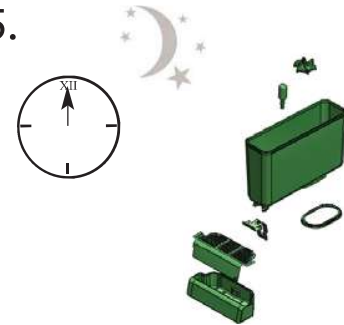
Spray inside of bowl with sanitizer.

4.



Spray inside of lid with sanitizer.

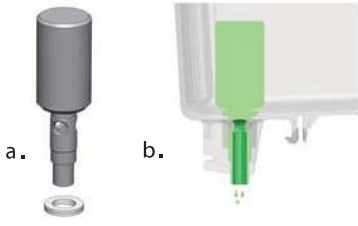


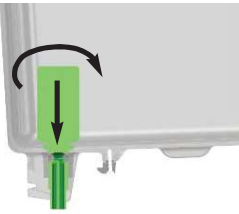

5.



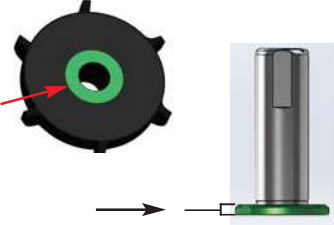


Air dry parts overnight.

Troubleshooting


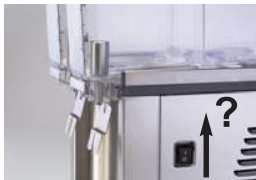


Leaking






<p>1.</p>  <p>a. O-ring nicked, deformed, or twisted?</p> <p>b. Foreign particles on bowl valve seat?</p>	<p>2.</p>  <p>Cracked bowl? Replace bowl.</p>	<p>3.</p>  <p>Drain tray overflow? Empty tray.</p>
<p>4.</p>  <p>Valve securely in place? Push and twist to seat.</p>	<p>5.</p>  <p>Gasket secured in place? Push to seat.</p>	

No product agitation

<p>1.</p>  <p>Replace impeller if bearing surface is worn.</p> <p>Replace pump axle if flange thickness is less than .75mm (0.03 inch) thick.</p> <p>Impeller and/or axle worn? Replace worn parts. See routine maintenance.</p>	<p>2.</p>  <p>Pump motor magnet needs adjustment? ☎ Call for service.</p>
<p>3.</p>  <p>Impeller installed correctly?</p>	

Troubleshooting (cont.)

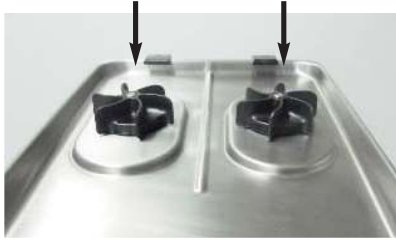
No refrigeration	
<p>1.  Plugged in to wall outlet?</p>	<p>2.  Power switch on?</p>
<p>3. Compressor does not operate; fan does? ☎ Call for service.</p> 	<p>4. Faulty thermostat? Machine will not operate. ☎ Call for service.</p> 

Poor refrigeration	
<p>1. Dirty condenser filter and condenser? Clean condenser or ☎ call for service.</p> 	
<p>2. No product agitation? See previous page.</p> 	<p>3. Impeller does not spin. Faulty pump motor? ☎ Call for service.</p> 
<p>4. Compressor does not operate; fan does not operate. Faulty fan motor? ☎ Call for service.</p> 	<p>5. Faulty thermostat or improper setting? ☎ Call for service.</p> 

Troubleshooting (cont.)

Noisy machine

1.



Impeller installed correctly in bowl?

2.



Bowl or pump installed while unit in "on" position?
Turn unit off. Reinstall parts.

3. Faulty pump motor bearings.
☎ Call for service.



Chattering impeller? Ensure correct drive magnet height or
☎ Call for service.



4.

Replace impeller if bearing surface is worn.



Replace pump axle if flange thickness is less than .75mm (0.03 inch) thick.

Impeller and/or axle worn? Replace worn parts.
See routine maintenance.

5.



Broken impeller? Replace it.

6.

Fan blade bent?
Unplug unit, remove side panel, inspect fan blade.



7. MAINTENANCE

1. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or a similarly qualified persons in order to avoid a hazard.
2. When freezing occurs, the appliance must be powered off.
3. Access to the service area is restricted to persons having knowledge and practical experience of the appliance, in particular as far as safety and hygiene are concerned.

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