This manual contains important information regarding your Adcraft unit. Please read this manual thoroughly prior to equipment set-up, operation and maintenance. Failure to comply with regular maintenance guidelines outlined in this manual may void the warranty.
**WARNING:**

1. This instruction manual is an integral part of the machine and must be kept for any further consultation.
2. This machine is a cold drink dispenser.
3. This machine should be used only for the purpose for which it was designed. Any other use is inappropriate and, therefore, dangerous. The manufacturer will not be held responsible for any damage caused by improper use.
4. Before installing and operating on the machine, read carefully this operation manual.
5. Basic safety rules:
   a. Do not touch the machine when hands or feet are wet.
   b. Do not use the machine when barefooted.
   c. Do not allow the machine to be used by children or untrained persons.
   d. Do not leave the machine outside.
   e. Do not pull on the electrical cord when unplugging the machine.

   The company reserves the right to modify the construction or appearance without notice.

**INSTALLATION:**

**Useful instruction for transport:**

1. In order to prevent the oil contained in the hermetic compressor from flowing into the cooling circuit, it is necessary to always carry, store and handle the machine in a vertical position following the instructions found on the packaging.
2. If the machine was accidentally or purposely placed in a non-vertical position during transport before operating the machine, it should be kept in a straight position for approximately 30 minutes to allow the oil to flow back into the compressor.

**Unpacking:**

- Remove cardboard and plastic covering.
- Make sure that the machine has not been damaged.
- Remove the plastic film from all the stainless steel panels.

**IMPORTANT:**
The various packaging should be kept from children since they are potentially dangerous.
Positioning (FIG.1)
Place machine on a horizontal and sturdy surface. For a good ventilation, keep a distance of 20 cm (7 inches) between unit and walls or other objects. Increase the distance if the obstacles are a heating source. When the dispenser is in place, adjust the legs in order to keep it level.

Electrical connection
Before inserting the plug into the electrical socket, carefully read the following precautions:

a. Make sure that the machine is properly connected to an efficient grounding system in compliance with current safety standards.

b. Make sure that the voltage is in accordance with what is indicated on the "serial number" label applied on the chassis.

c. The current available is sufficient for the maximum required by the machine.

d. If necessary, use only approved multiple outlets in compliance with current safety standards.

If in doubt, consult only specialized technicians.

By law, the machine must always be grounded.

HOW TO USE:
Before use, the dispenser should be cleaned carefully as it comes into contact with drinks.

Refilling:
For a correct usage of the machine ensure that the liquid level into the bowl does not go below 3-4Lt.

a. Before filling up the container make sure to remove the power plug.

b. Mix product in a separate container (FIG.2)

c. Do not fill the container with hot product

d. Do not overtake the MAX level line (FIG.3)

Functioning (FIG.4):

a. Make sure that the main switch (A) is in the [OFF] position, and then plug in the machine.

b. Before starting the machine, ensure that the bowls are properly closed with their covers.

c. Turn the main switch to [ON] position and the condensing unit will automatically start.

d. To start the mixing action, turn the mixing system switch to the [ON] position (B). There is a switch for each bowl.

e. To pour the drink out, press the drinking glass lightly against lever.
Beverage Temperature Adjustment (FIG.8)
1. Every dispenser has been tested and the thermostat has been set at +5°C temperature.
2. To adjust this temperature, lift up the plastic cover and turn the thermostat knob clockwise to set a lower temperature.

CAUTION:
Before adjusting temperature, always remove the power plug.
It is suggested that you do not reset the temperature controller frequently.

USEFUL INFORMATION:
For health standard and good quality of beverages, clean bowls, lids and the mixing paddles as often as possible.

Cautions:
a. Before carrying out cleaning and refilling, remove the power plug.
b. Do not use abrasive powders that might impair bowls and the lid's shine.
c. Use neutral soap and a little warm water to wash container, lid, mixing paddles/pump, refrigerator tank, and tap. Rinse carefully with water in order to remove any residual of soap.
d. To maintain a high standard of flavor, leave the dispenser turned on night and day in order to avoid deposit.
e. If the dispenser is out of use for a long time, remove the power plug and clean all parts carefully. Keep the dispenser away from dust and cover it with a plastic sheet.

Servicing:
Dispenser servicing is very simple. After disconnecting the dispenser. Remove panels and clean inside parts, especially condenser fins, with a brush. (FIG.7) Dust reduces the performance of the machine, so clean at least once a month.
DISASSEMBLING AND ASSEMBLING:

a. Disconnect the unit by removing the plug.
b. Lift lid off.
c. Pull mixing paddle off. For the pump disassembling, follow the instructions reported on the (Fig. 5 & 6).
d. Lift container with both hands with a light, swinging motion. Should you have difficulty, it is necessary to wet stainless steel refrigerator and gasket.
e. To remove water tray and lift it from its setting.
f. To disassemble the back and side panels, loosen the screws under the unit, pushing up, and then unlatch.
g. To disassemble front panel, loosen the side screws.

To reassemble the unit, repeat the above operations in reverse.

Maintenance and Service:

Any necessary repairs to the machine should be undertaken exclusively by an authorized repair center using original replacement parts.
The electrical cord should not be replaced by the user.
When the machine is no longer in use, it is recommended that it be made inoperable by unplugging the machine and cutting the electrical cord.
TECHNICAL SPECIFICATIONS:

<table>
<thead>
<tr>
<th>ROYAL LINE</th>
<th>Royal-1p</th>
<th>1</th>
<th>1 x 12L</th>
<th>R134a</th>
<th>220 x 450 x 635cm</th>
<th>19.00 kgs</th>
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</thead>
<tbody>
<tr>
<td>Royal-2p</td>
<td>2</td>
<td>2 x 12L</td>
<td>R134a</td>
<td>420 x 450 x 635cm</td>
<td>26.50 kgs</td>
<td></td>
</tr>
<tr>
<td>Royal-3p</td>
<td>3</td>
<td>3 x 12L</td>
<td>R134a</td>
<td>620 x 450 x 635cm</td>
<td>33.50 kgs</td>
<td></td>
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</table>

The technical features of the dispenser (Volt, Hertz, Watt, type of refrigerant) are reported on the serial number label.

ELECTRIC WIRING DIAGRAM

Note 1 = Only for Royal-2p
Note 2 = Only for Royal-3p
**LEGEND**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>c</td>
<td>Compressor</td>
</tr>
<tr>
<td>C</td>
<td>Condenser</td>
</tr>
<tr>
<td>F</td>
<td>Filter</td>
</tr>
<tr>
<td>Bc</td>
<td>Boiler</td>
</tr>
<tr>
<td>E1</td>
<td>Evaporator</td>
</tr>
<tr>
<td>E2</td>
<td>Evaporator</td>
</tr>
<tr>
<td>E3</td>
<td>Evaporator</td>
</tr>
<tr>
<td>D</td>
<td>Distributor</td>
</tr>
<tr>
<td>Ca</td>
<td>Capillary coils</td>
</tr>
<tr>
<td>1</td>
<td>High Pressure Side</td>
</tr>
<tr>
<td>2</td>
<td>Liquid Line</td>
</tr>
<tr>
<td>3</td>
<td>Low Pressure Side</td>
</tr>
<tr>
<td>T</td>
<td>Thermostat</td>
</tr>
</tbody>
</table>
OPERATING FIGURES:

Fig. 5

Fig. 6

Fig. 7
**TROUBLE SHOOTING:**
Wait 30 seconds before removing the panels so that all the moving parts inside the machine will be stopped.

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
</table>
| No power to machine            | • Plug is not in  
• Main switch is not set to the [ON] position  
• Feeder cable is broken  
• Main switch is broken | • Insert plug  
• Switch main switch to [ON]  
• Replace feeder cable  
• Replace main switch |
| Machine is not cooling         | • Compressor does not start  
• Gas leak into the cooling circuit  
• Condenser is clogged  
• Fan motor is burnt  
• Lack of air flow | • See "compressor does not start" section  
• Find leak. Filter it out and re-charge the cooling circuit  
• Clean the condenser  
• Replace fan motor  
• Increase distance between the machine and other obstacles /heating sources |
| Compressor does not start      | • Main switch is broken  
• Compressor protector is broken  
• Compressor relay is broken  
• Compressor motor is broken | • Replace main switch  
• Replace compressor protector  
• Replace compressor relay  
• Replace motor |
| One bowl is not cooling        | • Gas leak into the cooling circuit  
• Condenser is clogged  
• Lack of air flow  
• Tube of the cooling circuit is clogged  
• Filter is clogged | • Find leak. Filter it out and re-charge the cooling circuit  
• Clean the condenser  
• Increase distance between the machine and other obstacles /heating sources  
• Cut the tube. Eliminate clog, re-charge the cooling circuit  
• Replace the filter |
| The mixing paddles are not working | • The mixing motor is broken | • Replace the mixing motor |
| The pump is not working        | • The pump motor is broken  
• The pump switch is broken | • Replace the pump motor  
• Replace the pump switch |
ACE Equipment One Year Limited Warranty

ACE warrants its equipment against defects in materials and workmanship, subject to the following conditions:

ACE Equipment is warranted for one year, effective from the date of purchase by the original owner. A copy of the original receipt or other proof of purchase is required to obtain warranty coverage. This warranty applies to the original owner only, and is not assignable.

Should any product fail to function in its intended manner under normal use within the limits defined in this warranty, at ACE’s discretion, such product will be repaired, replaced with a refurbished unit, or replaced with a new unit by ACE, after defective unit has been inspected and defect has been confirmed. ACE does not assume any liability for extended delays in replacing any item beyond its control. This warranty does not apply to rubber and non-metallic synthetic parts that may need to be replaced due to normal usage, wear or lack of preventative maintenance.

This warranty covers products shipped into the 48 contiguous United States. Warranty coverage on products used outside the 48 contiguous United States, Hawaii, Alaska, Puerto Rico, and Canada, cover parts only.

The following conditions are not covered by warranty:

- Equipment failure relating to improper installation, improper utility connection or supply and problems due to improper ventilation.
- Equipment that has not properly been maintained, damage from improper cleaning, and water damage to controls.
- Equipment that has not been used in an appropriate manner, or has been subject to misuse, neglect, abuse, accident, alteration, negligence, damage during transit, delivery or installation, fire, flood, riot, or act of God.
- Equipment that has the model number or serial number removed or altered.
- Equipment on which the security seal has been broken.

If the equipment has been changed, altered, modified, or repaired without express written permission from ACE, then the manufacturer shall not be liable for any damages to any person or to any property, which may result from the use of this equipment thereafter.

This equipment is intended for commercial use only and this warranty is void if equipment is used in other than a commercial application.

For warranty and non-warranty related issues, technical support, please contact NSA at 1-877-672-7740. To purchase replacement parts and warranty registration visit www.admiralcraft.com. Please have your model number, serial number and proof of purchase ready. It is not necessary to contact the place where you originally purchased your product from.

"THE FOREGOING WARRANTY IS IN LIEU OF ANY AND ALL WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSES AND CONSTITUTES THE ENTIRE LIABILITY OF ACE. IN NO EVENT DOES THE LIMITED WARRANTY EXTEND BEYOND THE TERMS STATED HEREIN."

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**WARRANTY REGISTRATION CARD**

**MAIL CARD IMMEDIATELY**

This card must be mailed immediately after installation date for warranty to be in effect.

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**National Service America • 230 Park Ave, 3rd Floor WEST • New York, NY • 10169**

<table>
<thead>
<tr>
<th>(Name of Business)</th>
<th>(Dealer Purchased From)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Address)</td>
<td>(City)</td>
</tr>
<tr>
<td></td>
<td>(State) (Zip Code)</td>
</tr>
<tr>
<td>(Model Number)</td>
<td>(Serial Number)</td>
</tr>
</tbody>
</table>

This is to inform that I, ____________________________ (Please print name of individual who owns business)

have had the above installed in my place of business ____________________________ (Date of Purchase)

| (Contact Phone Number) | (Contact E-mail) | (Signature of Individual Who Owns Business) |

The above warranties are in effect from this installation date, or 90 days, whichever comes first.