



ADC1BRDD

Single, 3 gal.



ADC2BRDD

Double, 6 gal.



ADC3BRDD

Triple, 9 gal.

Drink Dispenser Instruction Manual

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.



IMPORTANT SAFEGUARDS

- Please read all the instructions to familiarize yourself with all the parts and operations before use.
- **DO NOT** leave the appliance unattended during use.
- Children shall **NOT** play with the appliance.
 - * This appliance shall **NOT BE** used by children.
 - * Keep the appliance and its cord out of reach of children.
- The unit is not intended for use by persons with reduced physical sensory or mental capabilities, or lack of experience and knowledge unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.
- **ONLY QUALIFIED PERSONS SHOULD:**
 - * Repair or break into the refrigerating circuit.
 - * Open and repair the sealed components.
 - * Open the ventilated enclosures.
- **ALWAYS** disconnect the power supply:
 - * **BEFORE** assembling.
 - * **BEFORE** disassembling.
 - * **BEFORE** cleaning.
 - * When not in use and if unit is left unattended
- **DO NOT** operate the unit with a damaged electrical cord or plug. 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.
- **DO NOT** install the appliance in a place where it may come in contact with water. This may impair electricity insulation and cause electric shock or fire.
- **NEVER** expose electrical connectors to any liquids.
- To avoid any electric shock, never plunge the appliance, the cord or plug in water or other liquid.
- Always install the appliance on a firm and flat worktable.
- Protect the appliance from direct light and heat. **DO NOT** install this appliance outdoors.
- Be sure the appliance is installed in an area where the temperature will not go below 50°F (10°C) or exceed 95°F (35°C).
- **DO NOT** splash or spray water on the surface of appliance while cleaning the machine.
- The appliance is equipped with a temperature controller inside.
 - * Every unit is preset at the factory for the recommend temperature between 35.6°F (2°C) to 41°F (5°C) for chilled drinks.
 - * **DO NOT** change the preset without any professional technician's advice.

MODEL:	ADC1BRDD	ADC2BRDD	ADC3BRDD
VOLTAGE:	120V	120V	120V
HERTZ:	60Hz	60Hz	60Hz
WATTAGE:	440W	580W	880W
DIMENSIONS: (HxWxD)	23.23" x 8.74" x 24.00"	23.23" x 16.14" x 24.00"	23.23" x 23.58" x 24.00"
	590 mm x 222 mm X 452 mm	590 mm x 410 mm X 452 mm	590 mm x 599 mm X 452 mm
UNIT WEIGHT:	39.68 lbs.	63.93 lbs.	80.47 lbs
PLUG:	NEMA 5-15P	NEMA 5-15P	NEMA 5-15P



INSTRUCTIONS FOR MACHINE TRANSPORT

- NOTE: Refrigeration equipment must remain upright to avoid damage to the compressor.
- In order to prevent the oil contained in the compressor from flowing into the cooling circuit, it is necessary to always ship, carry, store and handle this machine in an upright position, following the instructions located on the packaging.
- Never ship, carry, store or handle unit on its side.

PROPER GROUNDING REQUIRED:

⚠ WARNING: THIS UNIT MUST BE PROPERLY ELECTRICALLY GROUNDED TO AVOID POSSIBLE FATAL ELECTRICAL SHOCK OR SERIOUS INJURY TO THE OPERATOR. THE POWER CORD IS PROVIDED WITH A THREE PRONG GROUNDED PLUG. IF A THREE-HOLE GROUNDED ELECTRICAL OUTLET IS NOT AVAILABLE, USE AN APPROVED METHOD TO GROUND THE UNIT.

- **DO NOT** USE EXTENSION CORDS WITH THIS UNIT.
- **DO NOT** "GANG" TOGETHER WITH OTHER ELECTRICAL DEVICES ON THE SAME OUTLET.

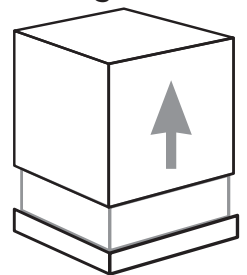
CONNECTION TO MAIN POWER SUPPLY

- The electrical safety of this machine can only be achieved if the machine is properly connected to an appropriate grounded receptacle that is in compliance with current national safety standards. Therefore, the manufacturer cannot be held responsible for damage and/or injury caused by failure to connect the unit to an appropriate power source.
- For a safe and correct installation, connect the unit to a dedicated outlet.
- **DO NOT** alter the cord or plug in any way.
- The entire length of the power cord must not, in any way, be compressed, bent or bunched together, nor may extension cords be used.
- **DO NOT** obstruct the ventilation and heat dispersion grill vents on the side and rear panels of the unit. An insufficient ventilation process may reduce the efficiency of the machine, causing it to function inadequately, and cause serious damage to the machine. A minimum of eight inches (20cm) clearance is necessary on each side and behind the unit.

INSTALLATION:

1. Cut banding straps from box and lift the box off the machine (see Fig.A).
2. Position the machine on a on a firm and flat worktable.
3. The machine must be well ventilated.
 - * Leave an 8" (20 cm) clearance on the sides and back of the machine to allow proper ventilation.
 - * Installation of the machine near a heat source should be avoided.
 - * Some heat sources you should avoid locating this unit too close to are ovens, coffee machines, cold or frozen beverage dispensers or ice machines (equipment with compressors that expel hot air through its vents).
 - * An ambient temperature between 59°F (15°C) and 77°F (25°C) is recommended.

Figure A



PARTS LIST

NO.	DESCRIPTION
1	Bowl Cover
2	Stirring Bar
3	Stirring Paddle
4	PC Bowl
5	Bowl Gasket
6	Covering
7	Fixed Shaft
8	Imminence O-Ring
9	Evaporator
10	Motor Fixed Set
11	Stirring Motor
12	Fluid Pin

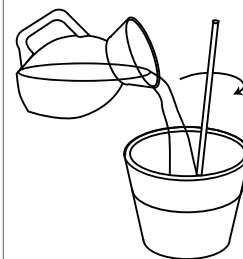
NO.	DESCRIPTION
13	Spout O-Ring
14	Fixed Metal Plate
15	Back Panel
16	Front Panel
17	Side Panel (Black)
18	Refrigeration Switch (Red)
19	Stirring Switch (Black)
20	Drip Tray
21	6" Fan Motor - Single Unit Only
22	8" Fan Blades - Double & Triple Units
23	8" Fan Motor- Double & Triple Units

NO.	DESCRIPTION
24	Motor Fixed Set (Right & Left)
25	Temperature Control Switch 110V
26	Compressor
27	Condenser
28	Bracket For Thermostat
29a	Terminal Connectors Set
29b	Terminal Connectors Set with Stainless Steel Cover
30	Support Feet
31	O-Ring
32	Cap

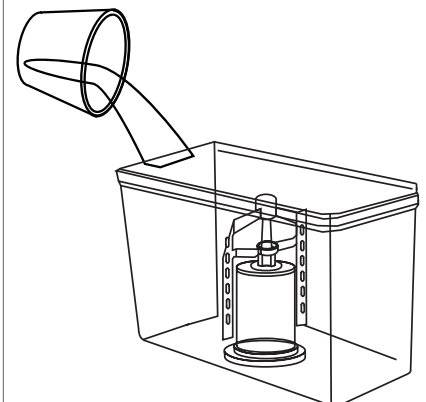
FILLING THE BOWLS/TANKS

- **DO NOT** use carbonated beverages inside the tank.
- This appliance is suitable for any non-carbonated soft drinks, like black tea or orange juice.
- Potable water is also suitable for this unit.
- **CAUTION:**
 - * The cover of container should be located in an area not exposed to persons using or attending this machine.
 - * Make sure that the mixture of condensed syrup and potable water is well mixed in advance.
 - * **NEVER** pour instant beverage powder into the bowl without pre-mix.

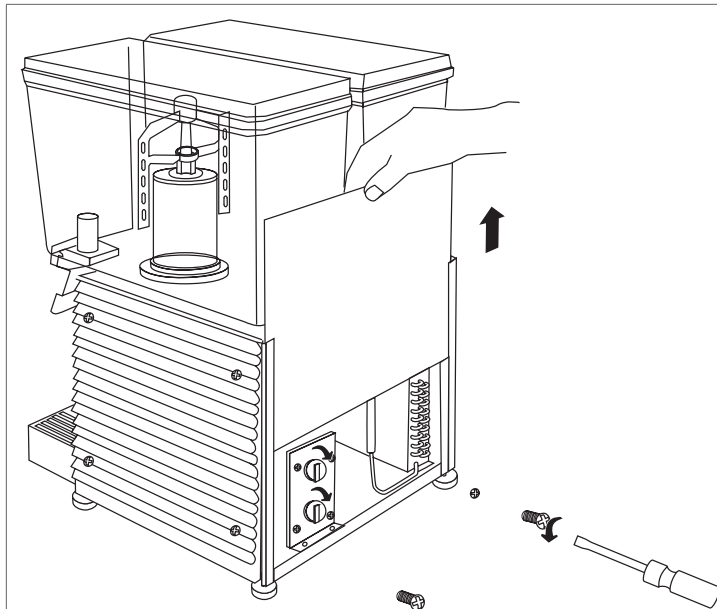
1. If using product concentrate (instead of ready-to-use product), dilute and mix the product with water, according to the directions given by the manufacturer, in a separate container.
 - * **NEVER** pour dry powder, crystals, or concentrate into a dry bowl.



2. Remove the lid.
 - * When refilling the tank, do not remove the center shaft.
3. Pour the prepared product into the bowl.
 - * Do not spill any material on lid or on bowl.
 - * There is a minimum and maximum fill line on the bowl.
 - * Do not overfill or run the unit without enough product.
 - * Running unit with product below the minimum full line may cause damage to the unit.
4. Insert the plug into a dedicated electrical outlet.



TEMPERATURE CONTROL PANEL

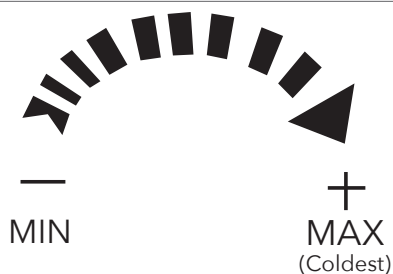


Temperature Controls are located on back of unit.

1. To access Temperature Controls, unscrew the back panel cover.
2. Lift the panel cover

*A properly tuned system keeps each bowl's temperature $\leq 41^{\circ}\text{F}$ without freezing juices or other cold beverages with its stirrer paddle rotating.

- Each bowl should be tuned using its specific cold control adjustment knob or screw port.
- Once an individual bowl is tuned, the adjustment position should be marked with a permanent marker & recorded for future reference.



3. Turn the dial to adjust coldness:
 - * Clockwise for the Max (Coldest) setting.
 - * Counter-Clockwise for Minimum Coldness.
4. Replace panel cover and screws after adjustments are made.

POWER CONTROLS

ADC1BRDD



Top Red Button - Refrigeration On/Off
Top Black Button - Turns on Spinner

ADC2BRDD



Top Red Button - Refrigeration On/Off
Top Black Button - Turns on Spinner for the Second Bowl
Second (Black) Button - Turns on Spinner for the Second Bowl

ADC3BRDD



Top Red Button - Refrigeration On/Off
Top Black Button - Turns on Spinner for the Second Bowl
Second Black Button - Turns on Spinner for the Second Bowl
Third Black Button - Turns on Spinner for the Third Bowl



DISPENSING PRODUCT



To dispense the product:

1. Position the cup under the dispensing valve.
2. Push the dispensing lever.

REPAIR AND MAINTENANCE

- Inspection, testing, and repair of electrical equipment should be performed only by qualified service personnel.
- Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. At all times, the manufacturer's maintenance and service guidelines shall be followed. If in doubt, consult the manufacturer's technical department or qualified service personnel for assistance.
- Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures. If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with. If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used. This shall be reported to the owner of the equipment, so all parties are advised.
- Initial safety checks shall include:
 - * That capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking;
 - * That no live electrical components and wiring are exposed while charging, recovering or purging the system;
 - * That there is continuity of earth bonding.
- When repairs to sealed components are made:
 - * During repairs to sealed components, all electrical supplies shall be disconnected from the equipment being worked upon prior to any removal of sealed covers, etc.
 - * If it is absolutely necessary to have an electrical supply to equipment during servicing, then a permanently operating form of leak detection shall be located at the most critical point to warn of a potentially hazardous situation.
- Particular attention shall be paid to the following to ensure that by working on electrical components, the casing is not altered in such a way that the level of protection is affected. This shall include damage to cables, excessive number of connections, terminals not made to original specification, damage to seals, incorrect fitting of glands, etc.
- Ensure that the apparatus is mounted securely.
- Ensure that seals or sealing materials have not degraded to the point that they no longer serve the purpose of preventing the ingress of flammable atmospheres. Replacement parts shall be in accordance with the manufacturer's specifications.
- Repair to intrinsically safe components:
 - * Do not apply any permanent inductive or capacitance loads to the circuit without ensuring that this will not exceed the permissible voltage and current permitted for the equipment in use.



- * Intrinsically safe components are the only types that can be worked on while live in the presence of a flammable atmosphere. The test apparatus shall be at the correct rating.
- * Replace components only with parts specified by the manufacturer. Other parts can result in the ignition of refrigerant in the atmosphere from a leak.
- Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges, or any other adverse environmental effects. The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.

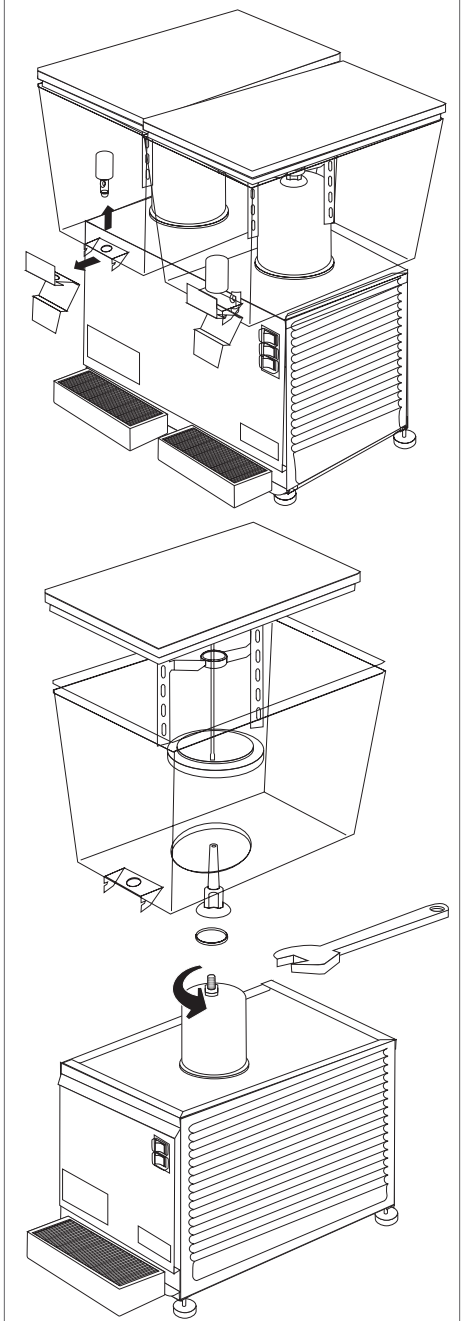
DAILY CLEANING

- **WARNING:** Disconnect the unit from its power supply prior to performing any maintenance.
 - * Failure to do so could result in electric shock, injury from hazardous moving parts or serious burns from hot surfaces.
- Clean unit daily to optimize performance or when using dairy products.
- Regular cleaning of bowl components and removing dried-on beverage solids and pulp from moving sealed parts will result in maximum efficiency.
- It is absolutely necessary to frequently and carefully perform the cleaning and sanitizing operations as described below.

CAUTION: DO NOT USE ANY POWDERS OR ABRASIVE CLEANING COMPOUNDS THAT WILL DAMAGE THE FINISH.

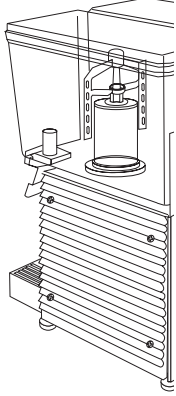
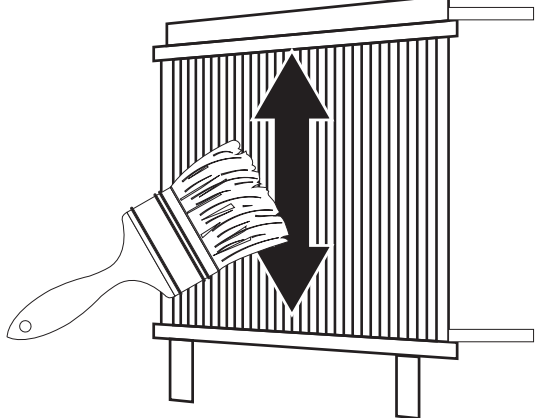
1. Remove the bowl lid and drain excess product.
2. Fill the bowl with warm water and flush using dispensing valve until clear water flows from the spout.
3. Remove the white stirrer and center shaft by lifting up.
 - * **WARNING: DO NOT** remove the white stirrer when filling the bowl with water or beverage!
4. Remove the top part of the fluid pin assembly while holding the lever.
 - * The pieces will separate.
5. Remove bowl.
 - * Lift bowl up and over the evaporator.
6. Remove the gasket.
7. Rinse the bowl with warm water and mild detergent.
 - * **DO NOT** place in dishwasher or use harsh chemicals.
8. Once rinsed, apply a light coating of food grade grease lubricant on the gasket and then place the gasket back on the bowl base.
9. Remove the o-ring from the fluid-pin and wash both parts separately, then reassemble the fluid-pin.
10. Wipe down the evaporator barrel with a clean, damp cloth.
11. Remove the drip tray and drip tray cover.
12. Pour out any excess product and wash with warm, soapy water.
13. Place drip tray cover back on the drip tray and slide back into machine.

To Disassemble Unit:



CLEAN THE CONDENSER - MONTHLY

-  **WARNING:** Disconnect the unit from its power supply prior to performing any maintenance.
 - * Failure to do so could result in electric shock, injury from hazardous moving parts or serious burns from hot surfaces.
 - * Failure to maintain a clean condenser will cause damage to the unit not covered by warranty.

		
1. To access the Condenser coils, unscrew the side panel cover.	2. Remove the side panels.	3. Use a soft bristle brush to clean the condenser in an up/down direction.

REMOVING LIME SCALE

-  **WARNING:** Disconnect the unit from its power supply prior to performing any maintenance.
 - * Failure to do so could result in electric shock, injury from hazardous moving parts or serious burns from hot surfaces
-  **WARNING:** Wear rubber gloves and safety goggles (and/or face shield) when handling descaler or sanitizer.
- This procedure must be performed a minimum of once every six months.

REMOVE SCALE DEPOSITS FROM REMOVED PARTS.

1. Mix 16 oz Manitowoc ice machine cleaner / descaler (Model # 9405463) or an equivalent cleaning agent with one gallon of potable water in a three-compartment sink.
2. Place the plastic parts in the solution and allow to soak for 10-15 minutes.
3. Use a soft bristle brush on heavy scale or mineral buildup as required.
4. Clean scale deposits from surface areas of evaporator and the inside of bowl.
5. Use a clean soft cloth or sponge soaked in cleaner / descaler solution to wipe evaporator surfaces and the inside of bowl.
 - * NOTICE: **NEVER** expose electrical connectors to any liquids.

SANITIZING PROCEDURE

-  **WARNING:** Disconnect the unit from its power supply prior to performing any maintenance procedures.
 - * Failure to do so could result in electric shock, injury from hazardous moving parts or serious burns from hot surfaces.
- This procedure must be performed a minimum of once every six months.



Sanitize plastic parts:

1. Mix two ounces of Manitowac ice machine sanitizer (Model # 9405653) or an equivalent cleaning agent with three gallons of potable water in a three compartment sink. Add five gallons of clear potable water to third sink compartment.
2. Remove plastic parts from cleaner / descaler solution & rinse in clear potable water.
3. Place the plastic parts in the sanitizer solution and allow to soak for at least one minute.

Sanitize surface areas of evaporator and the inside of bowl:

1. Use a clean sanitizer-soaked towel to wipe and sanitize surface area of evaporator and the inside of bowl.
2. Manitowoc sanitizer is classified as a no rinse sanitizer. Do not rinse sanitized surfaces of appliance.
* NOTICE: **NEVER** expose electrical connectors to any liquids.

HOW TO PREVENT FROZEN OR FROSTED EVAPORATOR

- To prevent evaporator from freezing, the drink mixture should always be kept higher than the low water level limit.
- A frozen evaporator will seriously damage the mixing parts, as well as the stirring motors.

CAUTION:

- If the evaporator is frozen, turn off the power and unplug the appliance first.
- Make sure the frost or frozen ice is melt completed.
- Never touch the frozen evaporator by hand. It will cause an injury.
- For sanitary reasons, **ALWAYS** drain out all the leftover mixture. Refill with fresh mixture and start the appliance again.

TEST ROOM CLIMATE DEFINITION

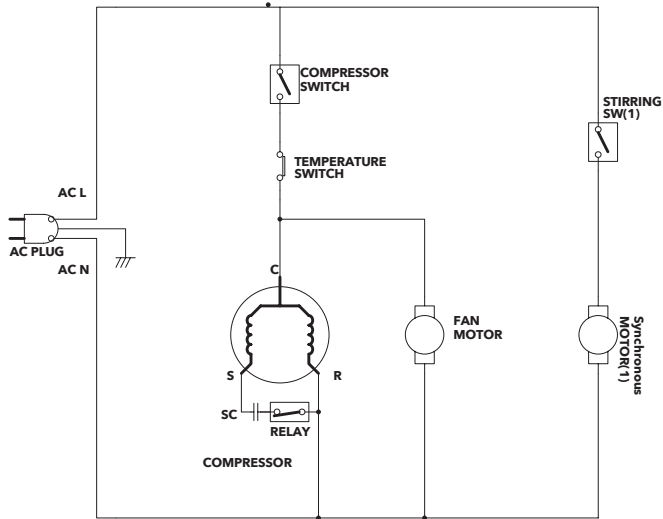
- During the test, the test room shall be capable of maintaining values of temperature and humidity within ± 1 °C of the temperature and ± 5 units of the relative humidity percentage figures at the specified climate measuring point(s).
- The exception to this is test-room climate class 3, for which the tolerance of the relative humidity is instead ± 3 units.

TEST ROOM CLIMATE CLASS	DRY BULB TEMP		RELATIVE HUMIDITY %	DEW POINT		WATER VAPOR MASS IN DRY AIR G/KG
	°F	°C		°F	°C	
0	68	20	50	48.74	9.3	7.3
1	60.8	16	80	54.68	12.6	9.1
8	75.2	24	55	57.92	14.4	10.2
2	71.6	22	65	59.36	15.2	10.8
3	77	25	60	62.06	16.7	12.0
4	86	30	55	68	20	14.8
6	80.6	27	70	69.98	21.1	15.8
5	104	40	40	75.02	23.9	18.8
7	95	35	75	86	30	27.3

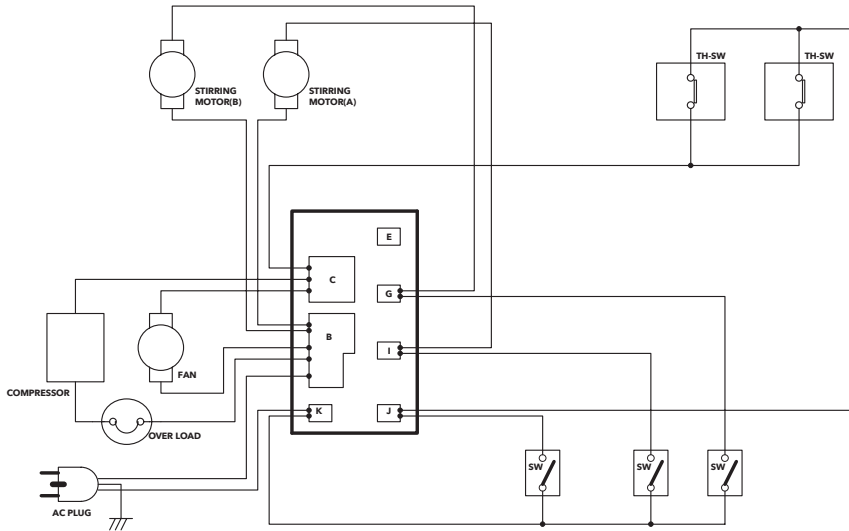
NOTE: The water vapor mass in dry air is one of the main points influencing the performance and the energy consumption of the cabinets. Therefore the order of the climate class in the table is based on the water vapor mass column. See also Annex B (ISO 23953-2:2015) to compare lab and store conditions.

CIRCUIT DIAGRAMS

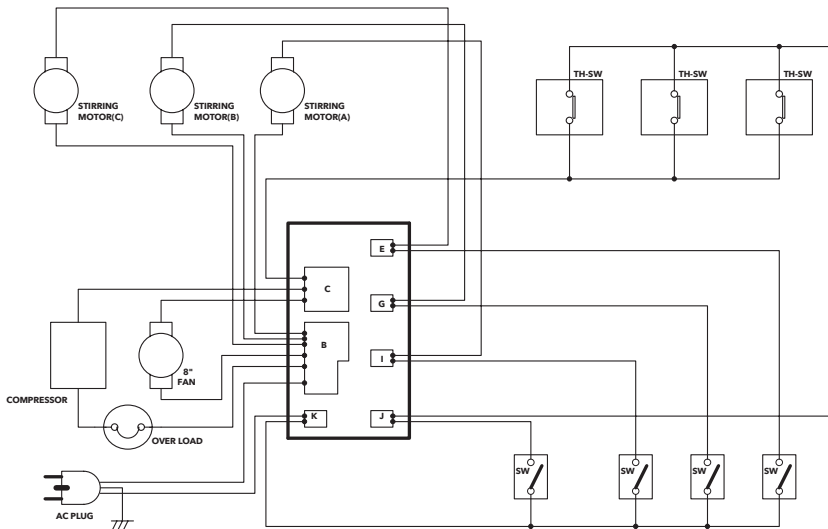
ADC1BRDD - Single Bowl Unit



ADC2BRDD - Double Bowl Unit



ADC3BRDD - Triple Bowl Unit





1-YEAR LIMITED WARRANTY

Admiral Craft Equipment Corp. (the "Company") warrants this product (the "Product") will be free from failures in material and workmanship for one (1) year from the date of original purchase with proof of purchase, provided that the Product is operated and maintained in conformity with the Owner's Manual. This Limited Warranty is non-transferable. During this period, your exclusive remedy is repair or replacement without charge of the Product or any component found to be defective at the Company's discretion. If the Product or any component is no longer available, the Company will replace it with a similar one of equal or greater value. This Limited Warranty is void if the Product is used with voltage other than 120 Volts. **THIS WARRANTY IS IN LIEU OF ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, PERFORMANCE, OR OTHERWISE, WHICH ARE HEREBY EXCLUDED. IN NO EVENT SHALL THE COMPANY BE LIABLE FOR ANY DAMAGES, WHETHER DIRECT, INDIRECT, INCIDENTAL, FORESEEABLE, CONSEQUENTIAL, OR SPECIAL ARISING OUT OF OR IN CONNECTION WITH THIS PRODUCT INCLUDING DAMAGES ARISING FOR FOOD OR BEVERAGE SPOILAGE CLAIMS.**

You may have other legal rights depending upon where you live. Some States or Provinces do not allow limitations on warranties so the foregoing may not apply to you.

WARRANTY EXCLUSIONS

IMPROPER ELECTRICAL CONNECTIONS:

The Company is not responsible for the repair or replacement of failed or damaged components resulting from electrical power failure, the use of extension cords, low voltage, or voltage spikes to the Product.

IMPROPER USAGE:

This Limited Warranty does not cover failure or other damages to the Product resulting from (i) improper usage or installation or failure to clean and/or maintain the Product as set forth in the Owner's Manual; or (ii) accident, misuse, abuse, negligence, or modification or alteration of the Product.

CONSUMABLES:

This Limited Warranty does not include consumables or wear-and-tear items such as legs, feet, plastic component parts, splash shields, filters, gaskets, and non-stick cooking surfaces.

ADJUSTMENTS & CALIBRATIONS:

Leveling, tightening of fasteners, or utility connections normally associated with the original installation are the responsibility of the dealer, installer, or the end user and not the responsibility of the Company and will not be considered warranty issues.

If you think the Product has failed, or requires service, within its warranty period, please contact the Company's Customer Care Department through our website at: www.admiralcraft.com "Service" --> "Technical Support Request". A receipt proving the original purchase date will be required for all warranty claims, handwritten receipts are not accepted. You may also be required to return the Product for inspection and evaluation. Return shipping costs are not refundable. The Company is not responsible for returns lost in transit.

This Limited Warranty is Valid only in the USA and Canada.