



SALD-1

Service, Installation and Care Manual

Please read this manual completely before attempting to install or operate this equipment! Notify carrier of damage! Inspect all components immediately. See page 2.



Salad and Vegetable Drier



NOTE

**IMPORTANT INFORMATION
READ BEFORE USE
PLEASE SAVE THESE INSTRUCTIONS!**

Effective Date August 2003

CONTENTS

SERIAL NUMBER LOCATION	2
RECEIVING AND INSPECTING	2
MECHANICAL DATA	2
OPERATING INSTRUCTIONS	3
CLEANING INSTRUCTIONS	4
PARTS LISTING	5
WIRING DIAGRAM	6
STANDARD LABOR GUIDELINES	7
WARRANTY	8-9
AUTHORIZED PARTS DEPOTS	back cover

SERIAL NUMBER INFORMATION

To view the serial number on the Salad Ace machine, turn the unit upside down. The serial number is listed on the bottom on the side opposite the motor.

Always have the serial number of your unit available when calling for parts or service. A complete list of authorized Delfield parts depots is shown on the back cover of this manual.

©2003 The Delfield Company. All other trademarks are the property of their respective owners, and are used for illustrative purposes only.

SPECIFICATIONS

Height	32 1/2" (82.6 cm)
Width	27" (68.6 cm)
Depth	27" (68.6 cm) Inner liner Capacity 20 gallon (77L) - Up to 18 heads of chopped lettuce
Inner liner Diameter	15 5/8" (39.69 cm)
Inner liner Depth	16 7/8" - (42.9 cm)

Power Requirements

115V - 2.7 amps

220V - 1.35 amps

Ship Weight - 85 lbs (38 kg)

RECEIVING AND INSPECTING THE EQUIPMENT

Even though most equipment is shipped crated, care should be taken during unloading so the equipment is not damaged while being moved into the building.

1. Visually inspect the exterior of the package and skid or container. Any damage should be noted and reported to the delivering carrier immediately.
2. If damaged, open and inspect the contents with the carrier.
3. In the event that the exterior is not damaged, yet upon opening, there is concealed damage to the equipment
4. notify the carrier. Notification should be made verbally as well as in written form.
4. Request an inspection by the shipping company of the damaged equipment. This should be done within 10 days from receipt of the equipment.
5. Freight carriers can supply the necessary damage forms upon request.
6. Retain all crating material until an inspection has been made or waived.

OPERATING INSTRUCTIONS

1. Position the "Salad Ace" over the floor drain or place a (2) two gallon capacity container under the drain tube.
2. Secure machine into position by depressing the brake pedal on each caster.
3. Remove the double lid slowly. **DO NOT PULL OR FORCE LID OFF IN A QUICK MOTION.** Suspend the lid from the top edge of the stainless steel tank using the bracket provided on the lid.
4. Remove the perforated inner liner and place in sink.
5. **TO PREPARE PRODUCTS:** Remove the center core from the lettuce heads; break apart, separating leaves or cut into desired size. Fill liner with no more than 18 heads.
6. Run cold water into the sink. Turn water off when the product level rises within three (3) inches of liner top edge. Gently stir water through product to remove the dirt. Allow the produce to soak 10 minutes.
7. Drain the water from the sink. Allow the liner to remain in the sink for 30 seconds to drain out the excess water.
8. Remove the liner from the sink and place into the "Salad Ace". Make sure the octagon shaped recess in the liner bottom engages with the metal octagon drive casting in the tank bottom.
9. Place the lid on the machine, making sure the inner lid seats on the top of the inner liner.
10. Turn the machine "ON" by rotating the bottom mounted timer clockwise. Choosing a one-to-four minute cycle. Generally, a two-minute cycle is sufficient to drain a full load. Machine will turn off automatically.
11. When the time cycle has ended, wait 10 seconds for inner liner to stop rotating before removing the lid. Remove inner liner from the machine.



Do not overload inner liner. Weight in excess of 20 lbs. will cause lid and motor failure.

CLEANING INSTRUCTIONS

Interior surface of tank

1. Remove the remaining food debris with a sponge.
2. Wash the interior tank liner with warm, detergent-sanitizing solution designed to clean stainless steel surfaces that are in contact with food.
3. Rinse with clean water. Air dry before placing on lid.

Exterior surface of tank

1. Use a clean, damp cloth to wipe the wash solution from surface. Allow to air dry.
2. Any commercial stainless steel polish can be used to shine clean surfaces.

Inner liner and lids

1. Wash in warm, detergent-sanitizing solution designed for use with plastic materials in contact with food.
2. Rinse in clean water. Allow to air dry. Never steam clean the liner or lids.



Do not overload inner liner. Weight in excess of 20 lbs. will cause lid and motor failure.

Drain Maintenance

Each unit has a drain located inside the unit which removes the water to an appropriate drain location or container. Drain size is 1 1/4". Be sure all drain lines are free of obstructions, food product can cause water to back up.

Stainless Steel Care and Cleaning

To prevent discoloration of rust on stainless steel several important steps need to be taken. First, we need to understand the properties of stainless steel. Stainless steel contains 70-80% iron which will rust. It also contains 12-30% Chromium which forms an invisible passive film over the steel's surface which acts as a shield against corrosion. As long as the protective layer is intact, the metal is still stainless. If the film is broken or contaminated, outside elements can begin to breakdown the steel and begin to form rust or discoloration.

Proper cleaning of stainless steel requires soft cloths or plastic scouring pads.



NEVER USE STEEL PADS, WIRE BRUSHES OR SCRAPERS!

Cleaning solutions need to be alkaline based or non-chloride cleaners. Any cleaner containing chlorides will damage the protective film of the stainless steel. Chlorides are also commonly found in hard water, salts, and household and industrial cleaners. If cleaners containing chlorides are used be sure to rinse repeatedly and dry thoroughly upon completion.

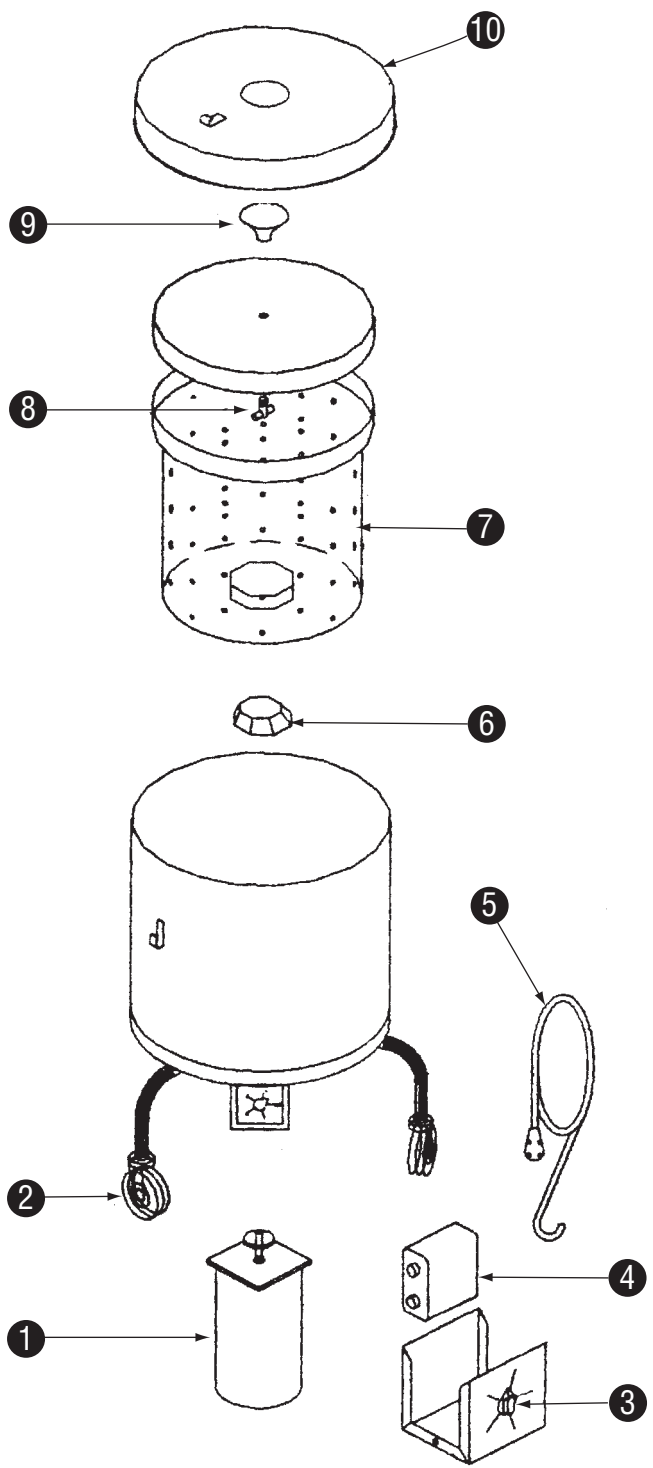
Routine cleaning of stainless steel can be done with soap and water. Extreme stains or grease should be cleaned with a non-abrasive cleaner and plastic scrub pad. It is always good to rub with the grain of the steel. There are also stainless steel cleaners available which can restore and preserve the finish of the steel's protective layer.

Early signs of stainless steel breakdown can consist of small pits and cracks. If this has begun, clean thoroughly and start to apply stainless steel cleaners in attempt to restore the passivity of the steel.



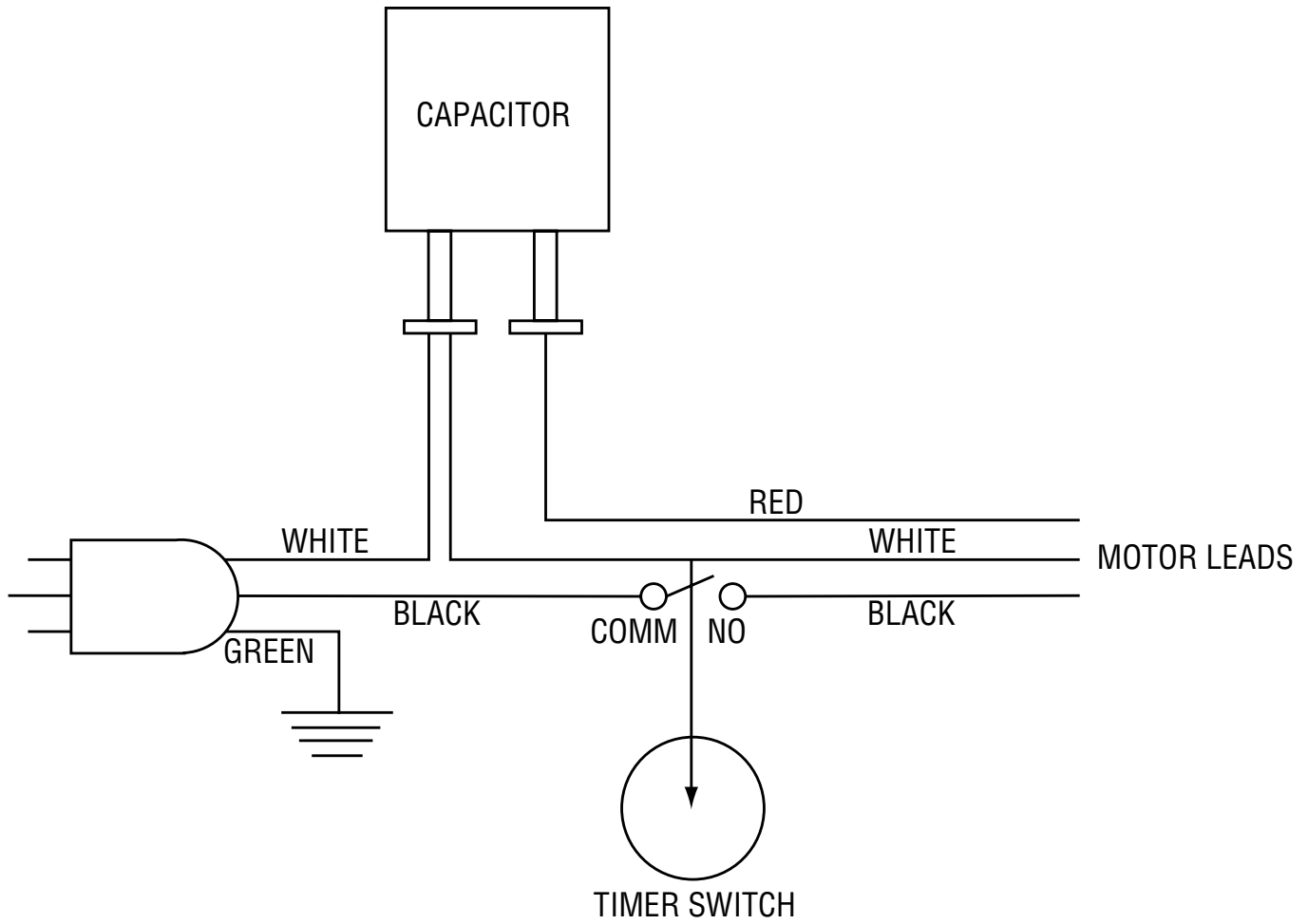
Never use an acid based cleaning solution! Many food products have an acidic content which can deteriorate the finish. Be sure to clean the stainless steel surfaces of ALL food products. Common items include, tomatoes, peppers and other vegetables.

PARTS LISTING



SALD-1		
KEY	DELFIELD PART #	DESCRIPTION
1	6160015	Motor, gear, 120V, 1/6 H.P.
	6160016	Motor, gear, 240V, 1/6 H.P.
2	6230217	Caster, 4", stem, swvl, brk, polyur
3	6190197	Timer control, 115-277V, 10A
4	6190141	Capacitor, 5UF, 370V/AC-115V
	46F1245	Capacitor, 220V/50 Hertz
5	M2183348	Cord, lead, 16/3 w/NEMA 5-15P
6	6230251	Drive, liner, octagon casting
7	6230116	Liner, with lid, plastic
8	6230006	Bearing, T handle
9	6230252	Mount, bearing, outer lid
10	0201294	Lid assy., outer

WIRING DIAGRAM — SALD-1



STANDARD LABOR GUIDELINES TO REPAIR OR REPLACE PARTS ON DELFIELD EQUIPMENT

Advice and recommendations given by Delfield Service Technicians do not constitute or guarantee any special coverage.

- A maximum of 1-hour is allowed to **diagnose a defective component**.
- A maximum of 1-hour is allowed for **retrieval of parts** not in stock.
- A maximum **travel distance** of 100 miles round trip and 2-hours will be reimbursed.
- Overtime, installation/start-up, normal control adjustments, general maintenance, glass breakage, freight damage, and/or correcting and end-user installation error will not be reimbursed under warranty unless pre-approved with a **Service Work Authorization** from Delfield. You must submit the number with the service claim.

LABOR OF 1-HOUR IS ALLOWED TO REPLACE:

- Thermostat
- Infinite Switch
- Door Jamb Switch
- Solenoid Coil
- Hi-limit/Thermal Protector Switch
- Fan Delay/Defrost Termination Switch
- Compressor Start Components and Overload Protector
- Defrost Timer
- Thermometer
- Gear Box
- Contactor/Relay
- Transformer
- Evaporator/Condenser Fan Motor and Blade
- Circulating Fan Motor and Blade
- Microprocessor Control
- Water Level Sensor/Probe
- Door Hinges, Locks, and Gaskets
- Condensate Element
- Springs/Lowerator

LABOR OF 2 HOURS TO REPLACE:

- Drawer Tracks/Cartridges
- Pressure Control
- Solenoid Valve
- Defrost Element
- Heating Element
- Locate/Repair Leak

LABOR OF 3 HOURS TO REPLACE:

- EPR or CPR Valve
- Expansion Valve
- Condenser or Evaporator Coil

LABOR OF 4 HOURS TO REPLACE

- Compressor

This includes recovery of refrigerant and leak check.

\$35.00 maximum reimbursement for refrigerant recovery (includes recovery machine, pump, torch, oil, flux, minor fittings, solder, brazing rod, nitrogen, or similar fees.)

REFRIGERANTS

- R22 A maximum of \$4.00/lb. or 25¢/oz. will be reimbursed.
- R134A A maximum of \$5.00/lb. or 31¢/oz. will be reimbursed.
- R404A A maximum of \$12.00/lb. or 75¢/oz. will be reimbursed.



STANDARD ONE YEAR WARRANTY (ONE YEAR PARTS, 90 DAYS LABOR.)

The Delfield Company ("Delfield") warrants to the Original Purchaser of the Delfield product (herein called the "Unit") that such Unit, and all parts thereof, will be free from defects in material and workmanship under normal use and service for a period of one (1) year from the date of shipment of the Unit to the Original Purchaser **or, if the Original Purchaser returns the warranty card completely filled out including the date of installation within thirty (30) days of receipt of the Unit, one (1) year from the date of installation.** During this one year warranty period, Delfield will repair or replace any defective part or portion thereof returned to Delfield by the Original Purchaser which Delfield determines was defective due to faulty material or workmanship. The Original purchaser will pay all labor, crating, freight and related costs incurred in the removal of the Unit of defective component and shipment to Delfield, except that during a period of either ninety (90) days from the date of shipment of the Unit to the Original Purchaser or, if the Original Purchaser returns the warranty card completely filled out including the date of installation within thirty (30) days of receipt of the Unit, ninety (90) days from the date of installation Delfield will pay all related labor costs. Delfield will pay the return costs if the Unit or part thereof was defective.

The term "Original Purchaser" as used herein means that person, firm, association, or corporation for whom the Unit was originally installed.

This warranty does not apply to any Unit or part thereof that has been subjected to misuse, neglect, alteration, or accident, such as accidental damage to the exterior finish, operated contrary to the recommendations specified by Delfield; or repaired or altered by anyone other than Delfield in any way so as to, in Delfield's sole judgement, affect its quality or efficiency. This warranty does not apply to any Unit that has been moved from the location where it was originally installed. This warranty also does not cover the refrigerator drier or the light bulbs used in the Unit. **The warranty is subject to the user's normal maintenance and care responsibility as set forth in the Service and Installation Manual, such as cleaning the condenser coil, and is in lieu of all other obligations of Delfield. Delfield neither assumes, nor authorizes any other person to assume for Delfield, any other liability in connection with Delfield's products.**

Removal or defacement of the original Serial Number or Model Number from any Unit shall be deemed to release Delfield from all obligations hereunder or any other obligations, express or implied.

Parts furnished by suppliers to Delfield are guaranteed by Delfield only to the extent of the original manufacturer's express warranty to Delfield. Failure of the Original Purchaser to receive such manufacturer's express warranty to Delfield. Failure of the Original Purchaser to receive such manufacturer's warranty shall in no way create any warranty, expressed or implied, or any other obligation or liability on Delfield's part in respect thereof.

IF THE CUSTOMER IS USING A PART THAT RESULTS IN A VOIDED WARRANTY AND A DELFIELD AUTHORIZED REPRESENTATIVE TRAVELS TO THE INSTALLATION ADDRESS TO PERFORM WARRANTY SERVICE, THE SERVICE REPRESENTATIVE WILL ADVISE CUSTOMER THE WARRANTY IS VOID. SUCH SERVICE CALLS WILL BE BILLED TO CUSTOMER AT THE AUTHORIZED SERVICE CENTER'S THEN APPLICABLE TIME AND MATERIALS RATES. CONSIDER: CUSTOMER MAY INITIATE A SERVICE AGREEMENT WITHOUT PARTS COVERAGE.

If shipment of a replacement part is requested prior to the arrival in the Delfield factory of the part claimed to be defective, the Original Purchaser must accept delivery of the replacement part of a C.O.D.

basis, with credit being issued after the part has been received and inspected at Delfield's plant and determined by Delfield to be within this warranty.

Under no condition does this warranty give the Original Purchaser the right to replace the defective Unit with a complete Unit of the same manufacturer or of another make. Unless authorized by Delfield in writing, this warranty does not permit the replacement of any part, including the motor-compressor, to be made with the part of another make or manufacturer.

No claims can be made under this warranty for spoilage of any products for any reason, including system failure.

The installation contractor shall be responsible for building access, entrance and field conditions to insure sufficient clearance to allow any hood(s), vent(s), or Unit(s) if necessary, to be brought into the building. Delfield will not be responsible for structural changes or damages incurred during installation of the Unit or any exhaust system.

Delfield shall not be liable in any manner for any default or delay in performance hereunder caused by or resulting from any contingency beyond Delfield's control, including, but not limited to, war, governmental restrictions or restraints, strike, lockouts, injunctions, fire, flood, acts of nature, short or reduced supply of raw materials, or discontinuance of the parts by the original part manufacturer.

Except as provided in any Additional Four Year Protection Plan, if applicable, and the Service Labor Contract, if applicable, the foregoing is exclusive and in lieu of all other warranties, whether written or oral, express or implied. This warranty supersedes and excludes any prior oral or written representations or warranties. Delfield expressly disclaims any implied warranties of merchantability, fitness for a particular purpose of compliance with any law, treaty, rule or regulation relating to the discharge of substances into the environment. The sole and exclusive remedies of any person relating to the Unit, and the full liability of Delfield for any breach of this warranty, will be as provided in this warranty.

Other than this Delfield Standard One Year Limited Warranty, any applicable Delfield Additional Four Year Protection Plan or applicable Delfield Service Labor Contract, the Original Purchaser agrees and acknowledges that no other warranties are offered or provided in connection with or for the unit or any other part thereof.

In no event will Delfield be liable for special, incidental or consequential damages, or for damages in the nature of penalties.

IF DURING THE WARRANTY PERIOD, CUSTOMER USES A PART FOR THIS DELFIELD EQUIPMENT OTHER THAN AN UNMODIFIED NEW OR RECYCLED PART PURCHASED DIRECTLY FROM DELFIELD OR ANY OF ITS AUTHORIZED SERVICE CENTERS AND/OR THE PART BEING USED IS MODIFIED FROM ITS ORIGINAL CONFIGURATION, THIS WARRANTY WILL BE VOID. FURTHER, DELFIELD AND ITS AFFILIATES WILL NOT BE LIABLE FOR ANY CLAIMS DAMAGES OR EXPENSES INCURRED BY THE CUSTOMER WHICH ARISE DIRECTLY OR INDIRECTLY, IN WHOLE OR IN PART, DUE TO THE INSTALLATION OF ANY MODIFIED PART AND/OR PART RECEIVED FROM AN UNAUTHORIZED SERVICE CENTER. If the warranty becomes void, Customer may purchase from Delfield, if available, a Service Agreement or service at the then current time and materials rate.

For more information on Delfield warranty's log on and check out the service section of our web site at www.delfield.com.

ADDITIONAL FOUR YEAR PROTECTION PLAN (FOR MOTOR-COMPRESSOR ONLY)

Delfield Model#	Serial #	Installation Date

In addition to the Standard One Year Warranty on the Motor-Compressor contained in the above listed Delfield product (the "Unit"), The Delfield Company ("Delfield") also agrees to repair, or exchange with similar or interchangeable parts in design and capacity at Delfield's option, the defective Motor-Compressor contained in the Unit (the "Motor-Compressor), or any part thereof, for the Original Purchaser only, at any time during the four (4) years following the initial one (1) year period commencing on the date of installation for the Original Purchaser. **Failure of the Original Purchaser to register the registration card containing the Original Purchasers name, address, date of installation, model number and serial number of the Unit containing the Motor-Compressor within 30 days from the date of installation shall void this warranty.** This additional warranty is only available if the Motor-Compressor is inoperative due to defects in material or factory workmanship, as determined by Delfield in its sole judgement and discretion. The Original Purchaser shall be responsible for returning the defective Motor-Compressor to Delfield prepaid, F.O.B. at the address shown on the back cover of this manual.

The term "Original Purchaser" as used herein means that person, firm, association, or corporation for whom the Unit was originally installed.

The term "Motor-Compressor" as used herein does not include unit base, air or water cooled condenser, receiver, electrical accessories such as relay, capacitors, refrigerant controls, or condenser fan/motor assembly. This warranty does not cover labor charges incidental to the replacement of parts. This warranty further does not include any equipment to which said condensing unit is connected, such as cooling coils, temperature controls or refrigerant metering devices. This warranty shall be void if the Motor-Compressor, in Delfield's sole judgement, has been subjected to misuse, neglect, alteration or accident, operated contrary to the recommendations specified by the Unit manufacturer, repaired or altered by anyone other than Delfield in any way so as, in Delfield's sole judgment, to affect its quality or efficiency or if the serial number has been altered, defaced or removed. This Warranty does not apply to a Motor-Compressor in any Unit that has been moved from the location where it was originally installed. The addition of methyl chloride to the condensing unit or refrigeration system shall void this warranty.

General Conditions

Delfield shall not be liable in any manner for any default or delay in performance hereunder caused by or resulting from any contingency beyond Delfield's control, including, but not limited to, war, governmental restrictions or restraints, strike, lockouts, injunctions, fire, flood, acts of nature, short or reduced supply of raw materials, or discontinuance of any part or the Motor-Compressor by the unit manufacturer.

Replacement of a defective Motor-Compressor is limited to one (1) Motor-Compressor by us during the four (4) year period. Delfield shall replace the Motor-Compressor at no charge.

This warranty does not give the Original Purchaser of the Motor-Compressor the right to purchase a complete replacement Motor-Compressor of the same make or of another make. It further does not permit the replacement to be made with a Motor-Compressor of another kind unless authorized by Delfield. In the event Delfield authorizes the Original Purchaser to purchase a replacement Motor-Compressor locally, only the wholesale cost of the Motor-Compressor is refundable.

Expressly excluded from this warranty are damages resulting from spoilage of goods.

Except as provided in any applicable Standard One Year Limited Warranty or applicable Service Labor Contract, the foregoing is exclusive and in lieu of all other warranties, whether written or oral, express or implied. This Warranty supersedes and excludes any prior oral or written representations or warranties. Delfield expressly disclaims any implied warranties of merchantability, fitness for a particular purpose or compliance with any law, treaty, rule or regulation relating to the Motor-Compressor, and the full liability of Delfield for any breach of this warranty, will be as provided in this warranty.

Other than any applicable Delfield Standard One year Limited Warranty, this Delfield Additional Four Year Protection Plan and any applicable Delfield Service Labor Contract, the Original Purchaser agrees and acknowledges that no other warranties are offered or provided in connection with or for the Motor-Compressor or any part thereof.

In no event will Delfield be liable for special, incidental or consequential damages, or for damages in the nature of penalties.

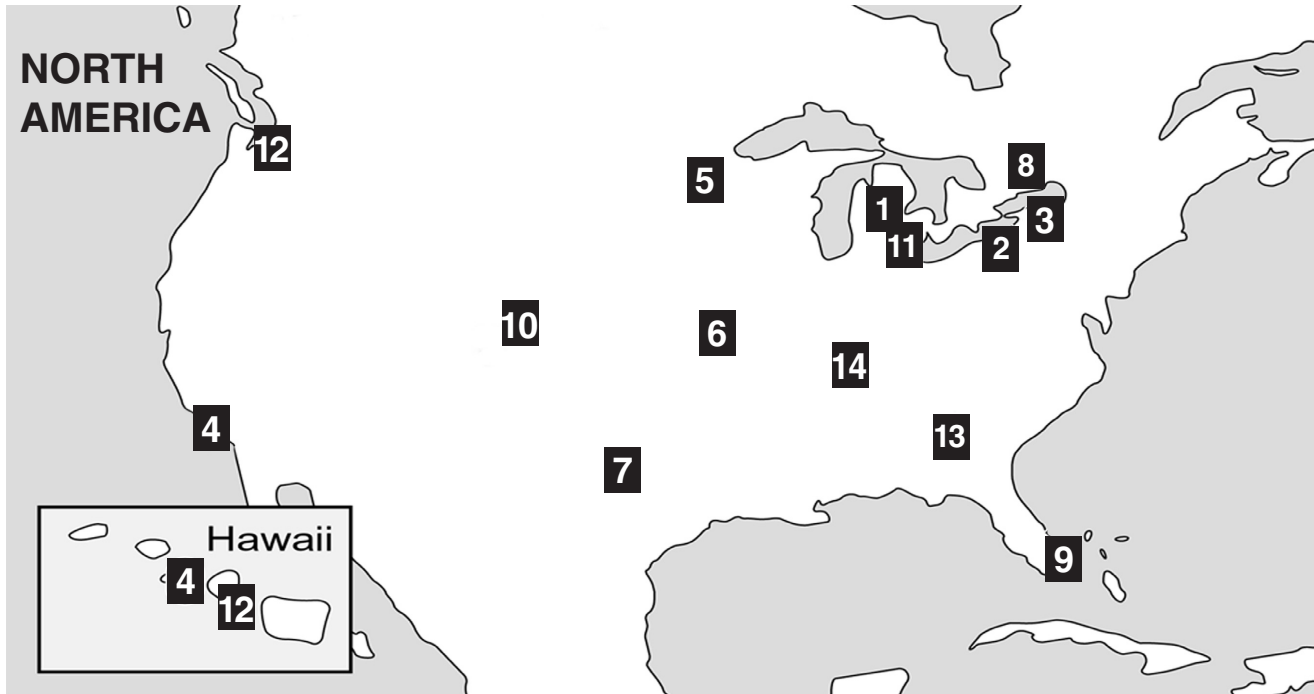


NOTES:

NOTES:



AUTHORIZED PARTS DEPOTS



1) The Delfield Company
 980 South Isabella Road
 Mt. Pleasant, MI 48858
 800.733.8829
 989.773.7981
 989.773.3210 FAX
 custom parts direct from Delfield

2) A.I.S. Commercial Parts & Service
 1816 West 26th Street
 Erie, PA 16508-1149
 800.332.3732
 814.456.3732
 814.452.4843 FAX
 serves: MD, NJ, OH, PA, VA, WV

3) Appliance Installation Service
 1336 Main Street
 Buffalo, NY 14209
 800.722.1252
 716.884.7425
 716.884.0410 FAX
 serves: CT, DC, DE, MA, MD, ME,
 NH, NJ, NY, PA, RI, VA, VT, WV

4) Pacific Coast Parts
 15024 Staff Court
 Gardena, CA 90248
 1.800.531.1111
 1.800.782.5747
 Email: orders@pacparts.com
 www.pacparts.com
 serves: AZ, CA, HI, NV, OR

5) Contract Ice
 14450 Ewing Ave S. #100
 Burnsville, MN 55306
 800.422.2823
 952.894.4427
 952.894.2164 FAX
 serves: IA, MN, MT, ND, SD, WI

6) E.M.C.O. Sales & Distributors
 3909 St. Timothy Lane
 St. Ann, MO 63074
 800.972.7670
 314.427.7477
 314.427.8190 FAX
 serves: AR, IA, IL, KS,
 KY, MO, NE, OK, TX, NM, LA

7) Stove Parts Supply/GCS Service
 2120 Solona St.
 PO Box 14009
 Fort Worth, TX 76117-0009
 1.800.433.1804 toll free
 1.800.272.7358 fax
 serves: AR, LA, NM, OK, TX

8) Garland Group
 1177 Kamato Road
 Mississauga, Ontario L4W1X4
 800.427.6668
 800.361.7745 FAX
 serves: Canada

9) Global Parts and Supplies
 2920 N.W. 109th Avenue
 Miami, FL 33172
 305.994.9994
 305.994.9992 FAX
 International parts depot

10) Hawkins Commercial Appl. Serv.
 3000 S. Wyandot
 Englewood, CO 80110
 (800) 624-2117
 (303) 7618861 FAX
 serves: AZ, CO, KS, NE, NM, OK, UT, WY

11) MicroDine, Inc.
 44792 Helm
 Plymouth, MI 48170
 888.828.4454
 734.451.2043
 734.451.3215 FAX
 serves: MI, IN, WI, OH

12) Performance Refrigeration Parts
 9923 S.W. 178th St.
 Vashon, WA 98070
 888.872.2465
 206-463-1772
 206.463.4431 FAX
 serves: AK, HI, ID, MT, OR, WA

13) Southeastern Restaurant Services
 2200 Norcross Parkway, Suite 210
 Atlanta, GA 30071
 800.235.6516
 770.446.6177
 770.446.3157 FAX
 serves: FL, GA, MS, NC, SC, VA

14) T.M.A.
 2916 Sidco Drive
 Nashville, TN 37204
 615.726.0351
 800.737.0351
 615.259.4100 FAX
 serves: TN, AL

Delfield has 14 conveniently located Parts Depots to ensure parts are handled promptly and accurately.
 Delfield reserves the right to update or make changes to this list without prior notice
 Please call 1-800-733-8829 or check the web at www.delfield.com for a list of the current Parts Depots.



980 S. Isabella Rd., Mt. Pleasant, MI 48804-0470, U.S.A. • (989) 773-7981 or (800) 733-8821 • Fax (800) 669-0619 • www.delfield.com
 Delfield reserves the right to make changes in design or specifications without prior notice. ©2003 The Delfield Company. All rights reserved. Printed in the U.S.A.