



Food Dehydrator



Model EFD-1010

INSTRUCTION MANUAL

IMPORTANT SAFEGUARDS

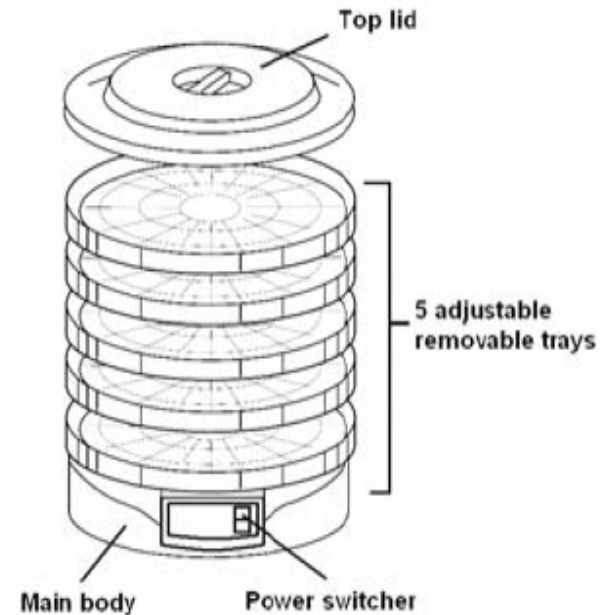
When using electrical appliances, basic safety precautions should always be followed as below:

1. Read all instructions carefully.
2. To protect against risk of electrical shock, do not put the base, cord & plug in water or any other liquid.
3. Close supervision is necessary when any appliance is used by or near children.
4. Unplug from outlet when not in use, before putting on or taking off parts, and before cleaning.
5. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similar qualified person in order to avoid a hazard.
6. The use of attachments, including canning jars, not recommended or sold by the manufacturer may cause fire, electric shock, or injury.
7. Do not use this appliance outdoors.
8. Always use dehydrator indoors on a flat, stable surface to allow sufficient airflow.
9. Never place dehydrator base on newspaper, carpet, towels and the like, which can block airflow and cause failure. The dehydrator will need an open and breathable space to function properly and to its capacity.
10. Do not let cord hang over edge of table or counter or come in contact with any hot surface, including the stove.
11. Do not place dehydrator on or near a hot gas stove, electrical burner or in a heated oven.
12. Any metal or sharp utensils should not be placed inside or used with the dehydrator at any time.
13. Do not use appliance for other than intended use.
14. Switch off the appliance before changing approaching parts which move in use (such as container).
15. This appliance has a polarized plug (one blade is wider than the other). To reduce the risk of electric shock, this plug will fit in a polarized outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not modify the plug in any way.

SAVE THESE INSTRUCTIONS

THIS PRODUCT IS FOR HOUSEHOLD USE ONLY!

PARTS & FEATURES



SHORT CORD PURPOSE

NOTE: A short power cord is provided to reduce the risk of personal injury resulting from becoming entangled in or tripping over a longer cord.

Longer power-supply cords or extension cords are available and may be used if care is exercised in their use.

If an extension cord is used: (1) the marked electrical rating of the extension cord should be at least as great as the electrical rating of the product; (2) the extension cord should be arranged so that it will not drape over the countertop or tabletop where it can unintentionally be pulled on or tripped over by children or pets.

POLARIZED PLUG

If this appliance is equipped with a **polarized plug** (one blade is wider than the other), please follow the below instructions:

To reduce the risk of electrical shock, this plug is intended to fit into a polarized outlet only one way. If you are unable to fit the plug into the electrical outlet, try reversing the plug. If the plug still does not fit, contact a qualified electrician. Never use the plug with an extension cord unless the plug can be fully inserted into the extension cord. Do not alter the plug of the product or any extension cord being used with this product. Do not attempt to defeat the safety purpose of the polarized plug.

FIRST USE & OPERATION

BEFORE USING:

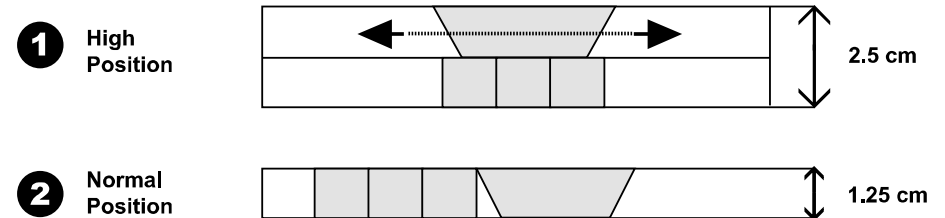
- 1) Carefully unpack the food dehydrator.
- 2) Wash the five dehydrator trays and lid in warm, soapy water. Rinse well and dry thoroughly.
- 3) Wipe the dehydrator base with a clean, soft cloth or sponge. NEVER IMMERSE BASE, CORD OR PLUG IN WATER OR ANY OTHER LIQUID.

HOW TO USE:

- 1) Make sure unit is switched OFF and unplugged before using.
- 2) Always wash the dehydrator trays and lid before each use to avoid any food contamination.
- 3) Place base on a flat, smooth countertop surface where it will not fall or be pulled by the plug.
- 4) Prepare food to be dehydrated as instructed in this manual; preparation depends on the type of food. Do not overlap food or overload trays.
- 5) Arrange food on trays, but do not place trays on the base; stack up the trays first and set them aside.
- 6) Trays may be adjusted to accommodate a variety of food sizes.
- 7) Plug unit into electrical wall outlet, switch to ON and preheat for approximately 5 minutes.
- 8) Place stacked trays onto the base, cover the top tray with the lid, and allow food to dry for the recommended length of time; drying time may vary depending on the type of food.
- 9) Begin to check on food before the dehydration period is completed; check food for desired dryness. Remove individual pieces and store in containers or food bags. If some pieces are not yet done, leave them on the dehydrator and check frequently until all food dehydration is completed.
- 10) Food that is not going to be eaten within a day or two should be stored in the refrigerator. For storing food in the freezer, be sure to use containers or bags designed for freezer storage.
- 11) Switch the unit OFF and plug after using.
- 12) Always wash the dehydrator trays and lid after each use. Wipe the base with a soft damp cloth or sponge; do not allow water or any other liquid to get into the base. Make sure the trays and lid are completely dry before replacing them on the base.

FIRST USE & OPERATION (CONT.)

ADJUSTABLE TRAY HEIGHT:



The adjustable removable trays can be adjusted to two different heights: Normal and High. Normal position adjustment is set to accommodate foods with thickness up to 1.25cm. And the High position adjustment is set to accommodate foods with thickness up to 2.5cm. (See image above).

- To change the adjustment to the High position, lift the tray and rotate the cog of each tray to match the cog in the next tray. (See image 1).
- To change the adjustment to the Normal position, rotate the tray so the cogs are all on one level. (See image 2).

SELECTING THE TYPE OF FOOD TO DEHYDRATE:

Food to be dried should be in good condition. Select fruits that are just ripe; they have the highest natural form of sugar and are best for drying. Fruits that are not ripe may have a flat, bitter taste. Vegetables should be fresh and tender. Check fruits and vegetables for marks or bruises and cut away these portions before preparing for dehydration. Avoid using overripe fruits and vegetables with spoiled portions. Meat, poultry and fish should be fresh and lean. Preparation, dehydration time and storage of foods also influence their quality and taste. Follow the preparation, dehydration and storage instructions in this manual to ensure the best-quality dried foods.

WARNING: If you suspect food is contaminated, freeze at 0° for 48 hours to prevent bacteria growth, or heat at 175°F for 15 minutes to pasteurize it. Some nutrition may be lost, but it will stop the contamination process.

FIRST USE & OPERATION (CONT.)

PREPARATION & PRETREATMENT OF VEGETABLES:

Vegetables dried at home require a little more effort in processing and storage than do fruits because they are low in acid and have little sugar. Some vegetables have a poor quality when dehydrated, and are better frozen than dried. Others, such as potatoes, are available at reasonable prices all year round, and it may not be worth your time to dry them unless they are used for lightweight camping. Be selective in the vegetables you choose to dry.

Preparation:

Select only the highest quality, fresh, crisp and tender vegetables for drying. Wash vegetables carefully just before processing to remove dirt and bacteria. Most vegetables should be peeled, trimmed, cut, or shredded prior to drying.

Pretreatment:

Blanching vegetables prior to drying destroys the enzymes that produce off flavors during storage, resulting in poor texture and poor re-hydration. Steam blanching is preferred over water blanching because there is less flavor and vitamin loss. Microwave blanching is also excellent and usually keeps a brighter color in the vegetables.

Steam Blanching:

Layer prepared vegetables in the top portion of a steamer, no more than 2 to 2 ½ inches deep. Steam until vegetables are heated all the way through but are not cooked enough to eat (usually 2 to 3 minutes). Small pieces may need occasional stirring to steam blanch evenly. Transfer steamed vegetables directly to drying trays, working as quickly as possible.

Microwave Blanching:

Microwave ovens are convenient for blanching fresh vegetables. Prepare vegetables as for steam blanching. Place vegetables with a small amount of water (refer to your microwave oven cooking chart) in a covered casserole dish. Cook for only ¼ to ½ the time specified in the chart, stirring well after half of the blanching time. Microwave blanched vegetables will be more brightly colored than those that are steam blanched. Transfer blanched vegetables directly to drying trays, working as quickly as possible.

VEGETABLE DRYING CHART

VEGETABLE	PREPARATION & PRETREATMENT	ESTIMATED TIME
Asparagus	Cut in half to divide tips from stems. Tips are best for drying, but dried stems can be crushed and used for seasoning.	17-19 hours
Beans (green)	Snip off ends and cut as desired. Blanch, then quick freeze for 30-45 minutes.	17-19 hours
Beets	Trim, leaving about an inch of the top and root. Blanch and allow cooling, then cutting off the top and root, and slicing.	22-24 hours
Broccoli	Trim and cut as usual. Steam for about 4-5 minutes.	17-19 hours
Carrots	Wash and peel. Cut into ½" thick chunks and steam for about 4-5 minutes until tender.	11-13 hours
Corn	Remove husk, wash and steam blanch corn on the cob. Allow to cool, and then cut corn from the cob.	8-10 hours
Celery (Stalks)	Wash and separate leaves from stalks. Cut stalks into 1/2" chunks. Place stalks separate from leaves in trays.	12-14 hours
Celery (Leaves)	Break leaves apart from their stems. Place leaves separate from stalks in tray(s).	6-8 hours
Chives	Wash and mince.	5-7 hours
Cucumber	Wash, trim and slice about ¼" thick.	11-13 hours
Garlic	Separate and peel cloves. Cut cloves in halves or slice.	16-18 hours
Mushrooms	Brush clean and remove stem. Leave whole, cut in halves or slice.	11-13 hours
Onions	Trim ends and peel. Cut in rings or dice.	13-15 hours
Peppers (pimentos)	Wash and remove core. Cut in halves, quarters, rings or strips.	13-15 hours
Peppers (jalapeños)	Wash and dry whole.	11-13 hours
Potatoes	Wash and peel. Cut or slice as desired and steam blanch. Rinse under cold water and pat dry before placing on tray(s). Note: If you wish to leave the skin on the potatoes, wash and scrub with vegetable cleaning brush, then prick and remove all "sprouts" and "scars," using the tip of a potato peeler or paring knife.	14-16 hours
Tomatoes	Wash and remove stems. Dip in boiling water and then in cold water. Remove skin and cut in halves, quarters or thick slices.	18-20 hours

*Approximate times are offered as guidelines only. Drying time may vary, depending on quality and quantity of vegetables being dried.

PREPARATION & PRETREATMENT OF FRUITS:

Almost all fruits are suitable for drying at home, but some fruits will require more drying time than others; the guidelines offered in this manual will help you get started. Some fruits might not be suitable for drying all year round, so it will be helpful to learn which fruits are in season and experiment with those first.

Preparation:

Wash fruits well and remove any bruised or overripe portions. Peel if desired. Larger fruits may be halved. If pieces of fruit vary in size, they may be sliced 3/8" to 1/2" thick for more even drying. Smaller fruits such as grapes and cherries may be dried whole. Remove pits or stones from fruits such as prunes, cherries, apricots, etc. Fruits that have been artificially waxed to prevent moisture loss should always be peeled. Peeling is optional with other fruits. Dried pear skins tend to be grainy, and peach peels are a little fuzzy. Most fruits can be placed directly on the drying trays as they are prepared such as pineapples, grapes, strawberries, prunes, etc. However, apples, apricots, peaches and pears turn brown when the cut surface are exposed to the air, due to oxidation and the continuous reaction of enzymes, these fruits may be pretreated to slow this browning and to prevent loss of vitamins A and C, but your attention is called to the cautions set forth below, which are for your protection. If you are drying these fruits, and you intend to pre-treat them, cut pieces can be prevented from browning while they are being prepared by keeping them in a holding solution until you have sufficient fruit to pre-treat.

Pretreatment:

Below are listed several optional methods of pretreatment. You need not pre-treat food in order to dry it. However, pretreatment often makes food look better, increases the shelf life and can even enhance the nutritional value of some foods. Experiment with both treated and untreated food in your storage to see which will best suit your needs. Remember, proper storage is critical to the quality of the stored product, whether treated or untreated.

Natural Pre-Dips:

Use pineapple or lemon juice as a natural alternative to other pretreatments to reduce browning. Slice fruit directly into juice. Remove promptly (about 2 minutes) and place on trays. Fruits may also be dipped in honey, spices, lime or orange juice, jello powders or sprinkled with coconut to give them a snappy dried flavor. Use your imagination and make your own flavorful dip.

Sodium Bisulfate:

Ask for food-safe, (USP) grade only. Dissolve 1 teaspoon of sodium bisulfate in one quart of water. Prepare small amounts of fruit and dip for 2 minutes in the solution. This helps prevent loss of vitamin C and maintains a bright color. Sodium bisulfate is available in most pharmacy/drug stores.

Popping Backs:

When drying fruit halves, especially apricots, it has been suggested that popping the back ("inside out") will speed the drying time. This is true, but it also results in the loss of the nutritional juices to the bottom of the dehydrator. Instead, cut each half in half again to give the end product more nutritional value, a brighter color, and faster reconstitution capabilities.

FRUIT DRYING CHART

FRUIT	PREPARATION & PRETREATMENT	ESTIMATE TIME
Apples	Wash, and peel if desired. Cut in halves and remove core, then cut into chunks or slice. Can be pretreated with a little lemon juice to prevent browning.	22-24 hours
Apricots	Wash, cut in halves and remove pit. Cut further into quarters, if desired.	30-35 hours
Bananas	Peel and slice. Can be pretreated with a little lemon juice to prevent browning.	22-24 hours
Cherries	Wash and remove pit	22-24 hours
Coconut	Drain milk, crack and remove coconut. Pat dry and cut into 1/4" thick chunks.	24-30 hours
Figs	Wash and remove stems. Cut into halves or quarters (dry skin side up)	22-24 hours
Grapes	Wash and remove stems. Leave whole.	23-25 hours
Papaya	Wash and peel. Cut into large or small chunks, as desired.	30-35 hours
Peaches	Wash, cut in halves and remove pit. Cut further into quarters, if desired.	35-42 hours
Pears	Wash, and peel if desired. Cut in halves and remove core, then cut into chunks or slices. Can be pretreated with a little lemon juice to prevent browning.	28-32 hours
Pineapple	Remove core and cut into chunks, or slice into wedges.	22-25 hours
Prunes	Wash, cut in halves and remove pit. Cut further into quarters, if desired.	30-35 hours
Strawberries	Wash and leave whole, cut in halves or slice.	12-15 hours

*Approximate times are offered as guidelines only. Drying time may vary, depending on quality and quantity of fruits be dried.

MEAT DRYING PREPERATION

Normally raw meat is used for making jerky. However, cooked meat as well as raw meat can be dehydrated.

Make sure to always cut meat down to bite size before dehydration. It is much easier to work with beforehand.

Be extra careful when making jerky from raw chicken or turkey because salmonella bacteria may be present in poultry when it is purchased. It is extremely important to cut raw chicken or turkey into portions that do not exceed 1/4" thickness. Any marinade must thoroughly penetrate and soak into the meat, up to 10 minutes or more.

It is not recommended to remove any excess marinade sauce.

Never consume food that tastes, smells or looks improper.

RAW MEAT FOR BEEF JERKY: Any kind of beef is good for making beef jerky. Make sure to trim off all the fat before slicing into bite-size portions. It is recommended to slice meat about 1/8" - 1/4" thickness.

Marinating beef has many different combination recipes. Please see some recipe samples below for your preference:

TRADITIONAL JERKY: (Good for approximately 3-5 lbs of beef, fish, or poultry)

½ lb brown sugar

3 cups soy sauce

*Spices of your choosing

½ cup liquid smoke (optional)

Mix all ingredients together. Make sure the brown sugar is dissolved. Let mixture sit for approximately 15 minutes. Place cut up meat into the marinade and cover. Let stand for 10 minutes refrigerated. Make sure to turn meats periodically to coat thoroughly. Drain any excess liquid.

Place meats onto trays and dehydrate. Drying time for a full 5-tray set up will take approximately 24-36 hours.

OTHER DRYABLE ITEMS

NUTS:

Remove shells to the nuts and rinse nuts with warm water. Pat dry and spread on trays. Most nuts will take approximately 20-30 hours to dehydrate; they should be allowed to dehydrate until brittle.

After dehydrating, allow to cool. Nuts that will not be consumed within a day or two should be frozen to ensure freshness. Remove nuts from the freezer and allow them to defrost before using.

HERBS:

Rinse and pat dry. Remove any dead, mushy or discolored portions, but leave the stem and do not break apart until drying. Spread herbs or flowers on tray and allow them to dehydrate for about 2-7 hours, depending on their type. When drying is complete, remove from tray and allow to cool.

Remove from stem and break leaves or buds apart, or crush if desired.

If dehydrating seeds, choose when pods have changed in color.

FLOWERS:

For best results, pick flowers after the morning dew rises and before the evening mist sets in. Do not use flowers that have been sprayed with insecticides or other harmful chemicals. If dehydrating at the same time as herbs intended for consumption, place flowers on the bottom trays and herbs on the top trays; this is to prevent any "drippings" from the flowers to fall onto the herbs.

HELPFUL HINTS

- Always preheat the dehydrator for at least 5 minutes before using.
- If the dehydrator has been stored away for some time, wash and clean before using.
- Fresh vegetables and fruits are best for dehydrating. Canned goods do not dehydrate as well.
- Vegetables and fruits should always be cleaned before preparation and pretreatment.
- For best results, always prepare and pre-treat fruits and vegetables as outlined in this manual.
- It is relatively safe to leave the dehydrator on when dehydrating foods take a long time, but make sure to set the dehydrator in a safe place. Read the "Important Safeguards" on page 1 of this manual, and exercise safety when using this product.
- Exact dehydrating time varies greatly depending on several factors: Type, size and quality of food, quantity placed on trays and personal preference. It will help to keep a personal notepad where you can write down your own notes. Keep notes on the type of food, weight before and after drying, total drying time and final results

FOOD STORAGE

Packaging:

DRIED FOODS MUST BE PROPERLY PACKAGED IN ORDER TO KEEP WELL.

Package your dried foods in **freezer** plastic bags, squeezing out as much air as possible. Heat-sealable bags may also be used. Store the plastic bags inside of airtight metal, plastic or glass containers. Storing foods in rigid containers without first putting them into the freezer bags exposes the dried foods to air. Vacuum packaging equipment for home use is available in some stores around the country. Vacuum packaging will greatly extend shelf life.

Storage Conditions:

Store properly packaged dried foods in a cool, dark place. The cooler the food is kept, the longer the optimal quality will be maintained. For every 18°F drop in temperature, the shelf life increases 2 to 3 times. If you have room in a refrigerator or freezer, keep your dried foods there. Otherwise, find the coolest place in your home to store dried foods. Light also causes the quality and nutritive value to deteriorate. Keep dried foods in the dark or in opaque containers.

Shelf Life:

Fruits have a naturally high sugar and acid content, which allows them to dry well and store for longer periods of time than vegetables. When properly packaged and stored at room temperature or below (70°F or less), most fruits will maintain a high quality and nutritional value up to a year. Most vegetables are best when eaten within six months.

FRUITS AND VEGETABLES KEPT BEYOND THE RECOMMENDED TIME MAY NOT BE AS NUTRITIOUS OR TASTE AS GOOD BUT WILL NOT SPOIL UNLESS THE PACKAGING IS NO LONGER INTACT.

CLEANING & MAINTENANCE

This appliance requires little maintenance. It contains no user serviceable parts. Do not try to repair it yourself. Refer it to qualified personnel if servicing is needed.

Always unplug the dehydrator from electrical outlet when not in use and before cleaning.

TO CLEAN:

NEVER IMMERSE BASE (MOTOR HOUSING) IN WATER. First, be sure unit is switched "OFF" and unplugged. Separate trays from the base. Wash trays and lid with warm, soapy water, using a soft cloth or sponge. Rinse well and dry thoroughly. Wipe base (motor housing) with a slightly damp cloth or sponge.

DO NOT wash parts in dishwasher.

DO NOT use scouring pads or any type of harsh cleanser to clean the dehydrator, as this may damage the finish.

TO STORE:

Unplug unit; store in its box in a clean, dry place. Never store it while it is hot or still plugged in. **Never wrap cord tightly around the appliance.** Do not put any stress on the cord where it enters the unit, as it could cause the cord to fray and break.

LIMITED WARRANTY* ONE (1) YEAR WARRANTY IS ONLY VALID WITH A DATED PROOF OF PURCHASE

1. Your small kitchen appliance is built with precision, inspected and tested before leaving our factory.
2. It is warranted, to the original purchaser to be free from any manufacturing defects under normal use and conditions for one (1) year, cord excluded. This Warranty applies only to the original purchaser of this product.
3. If you need to exchange the unit, please return it in its original carton, with a sales receipt, to the store where you purchased it. If you are past the stores allowed return policy period, please see the enclosed Warranty.
4. If you use your appliance for household use and according to instructions, it should give you years of satisfactory service.
5. During the one-year warranty period, a product with a defect will be either repaired or replaced with a new or reconditioned comparable model (at our option) when the product is returned to our Service Center. (See the "Returns" section below).
6. The repaired or replacement product will be in warranty for the remaining balance of the one-year warranty period and an additional one-month period.
7. **This limited warranty covers appliances purchased and used within the 50 contiguous states plus the District of Columbia and does NOT cover:**
 - Damages caused by unreasonable use, neglect, normal wear and tear, commercial use, improper assembly or installation of product.
 - Damages caused in shipping.
 - Damages caused by replacement or resetting of house fuses or circuit breakers.
 - Defects other than manufacturing defects.
 - Breakage caused by misuse, abuse, accident, alteration, lack of proper care and maintenance, or incorrect current or voltage.
 - Lost or missing parts of the product. Parts will need to be purchased separately.
 - Damages of parts that are not electrical; for example: cracked or broken plastic or glass.
 - Damage from service or repair by unauthorized personnel.
 - Extended warranties purchased via a separate company or reseller.
 - Consumer's remorse is not an acceptable reason to return a product to our Service Center.

*One Year Limited Warranty valid only in the **50 contiguous states plus the District of Columbia, excluding** Puerto Rico and the Virgin Islands.

This warranty is effective only if the product is purchased and operated in the USA; product usage which is in violation of the written instructions provided with the unit will void this warranty. For international warranty, please contact the local distributor.

**Any instruction or policy included in this manual may be subject to change at any time.

MAXI-MATIC, USA

18401 E. Arenth Ave. City of Industry, CA 91748

Customer Service Dept: (626) 912-9877 Ext: 120/107 MON-FRI 8am-5pm PST

Website: www.maxi-matic.com email: info@maxi-matic.com

RETURN INSTRUCTIONS

RETURNS:

A. Any return of defective merchandise to the manufacturer must be processed accordingly by first contacting customer service (contact information shown below) to obtain an RA # (Return Authorization Number). We will not accept any returns of merchandise without an applicable RA #.

B. IMPORTANT RETURN INSTRUCTIONS. Your Warranty depends on your following these instructions if you are returning the unit to Maxi-Matic USA:

1. Carefully pack the item in its original carton or other suitable box to avoid damage in shipping.
2. Before packing your unit for return, be sure to enclose:
 - a) Your name, full address with zip code, daytime telephone number, and RA#,
 - b) A dated sales receipt or PROOF OF PURCHASE,
 - c) The model number of the unit and the problem you are having (Enclose in an envelope and tape directly to the unit before the box is sealed,) and
 - d) Any parts or accessories related to the problem.
3. Maxi-Matic USA recommends you ship the package U.P.S ground service for tracking purposes. We cannot assume responsibility for lost or damaged products returned to us during incoming shipment. For your protection, always carefully package the product for shipment and insure it with the carrier. C.O.D shipments cannot be accepted.

4. All return shipping charges must be prepaid by you.

5. Mark the outside of your package:

MAXI-MATIC USA
18401 E. ARENTH AVE.
CITY OF INDUSTRY, CA 91748

6. Once your return has been received by our warehouse, Maxi-Matic USA will repair or replace the product if it is defective in material or workmanship, subject to the conditions in paragraph B.

7. Maxi-Matic will pay the shipping charges to ship the repaired or replacement product back to you.