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**TECHNICAL MANUAL**

**FOR**

**MINI-BAGGING DISPENSERS**

**MODELS**

**SD-650 & SD-900**

**NOTE**

**DO NOT START ICE MACHINE MORE THAN  
24 HOURS PRIOR  
TO SYSTEM BEING PUT INTO FULL  
OPERATION AND PERMANANT USE**

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## CHAPTER 1. INTRODUCTION

It is important that the initial installation of the dispenser be accomplished in a proper manner. To obtain the maximum use and satisfaction from its many outstanding features, this mini-bagging dispenser should be installed and operated properly. Taking a few minutes to read this manual is time well spent in learning about the dispenser.

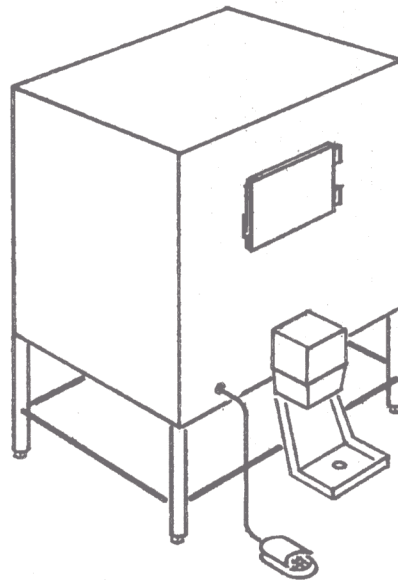
### Physical Data

| <u>SD-650</u>           | <u>SD-900</u>           |
|-------------------------|-------------------------|
| Width.....34 ¼"         | Width.....48 ¼"         |
| Depth.....30"           | Depth.....30"           |
| *Height.....46"         | *Height.....46"         |
| Approx. Wt.....500 lbs. | Approx. Wt.....575 lbs. |

\*Height does not include 28" to 32" for stand.

### Electrical Data

1. 115V. 60 HZ. 1 PH. (A.C.)
2. Full load Amps.....10.8



## CHAPTER 2. INSTALLATION

### UNCRATING

MGR dispensers are strongly crated to insure delivery in good condition under ordinary handling by common carriers. However it is important that inspection for possible damage, in transit, be made immediately upon receipt of the dispenser. Any visible damage to the crate or to the dispenser should be specifically noted by the person receiving the dispenser on the carrier delivery receipt and a claim filed with the carrier.

### LOCATION

Move the dispenser to the desired location and install so that there is a minimum of 12" clearance in the rear to allow for servicing. When the dispenser is in the proper position, adjust legs to make sure it is sitting absolutely level from side to side, front to rear and diagonally front to rear.

### DRAINS

Connect  $\frac{3}{4}$ " mpt dispenser drain and  $\frac{1}{2}$ " mpt bag holder drain to a suitable drain line. Clean and flush inside of dispenser with plain water and check drain lines to make sure there is no stoppage or leaks.

### POWER REQUIREMENTS

#### CAUTION

THE DISPENSER IS SET TO OPERATE ON  
115 V., 60 HZ., 1 PH. ALTERNATING CURRENT.  
DO NOT CONNECT TO ANY OTHER SOURCE OF  
POWER AS PERMANENT DAMAGE MAY RESULT.

The dispenser should be plugged into an individual or separate electrical line with its own 20 ampere fusing so that power will not inadvertently be shut off.

### ICE MACHINE INSTALLATION

1. Install ice machine per manufacturer's recommendations and properly seal top of dispenser.
2. Adjust applicable bin thermostat.

## CHAPTER 3. OPERATION AND MAINTENANCE

### OPERATION

Once the ice machine has been installed and the bin thermostat adjusted, the dispenser is ready for operation.

1. Turn on power and allow dispenser to fill half way with ice.

#### WARNING

KEEP HANDS OUT OF DISCHARGE NOZZLE

2. Remove all ice by using foot pedal; your dispenser is now ready for operation.
3. Allow dispenser to refill with ice.
4. To use dispenser: place container or bag under nozzle, operate foot pedal to fill.

### MAINTENANCE

#### WARNING

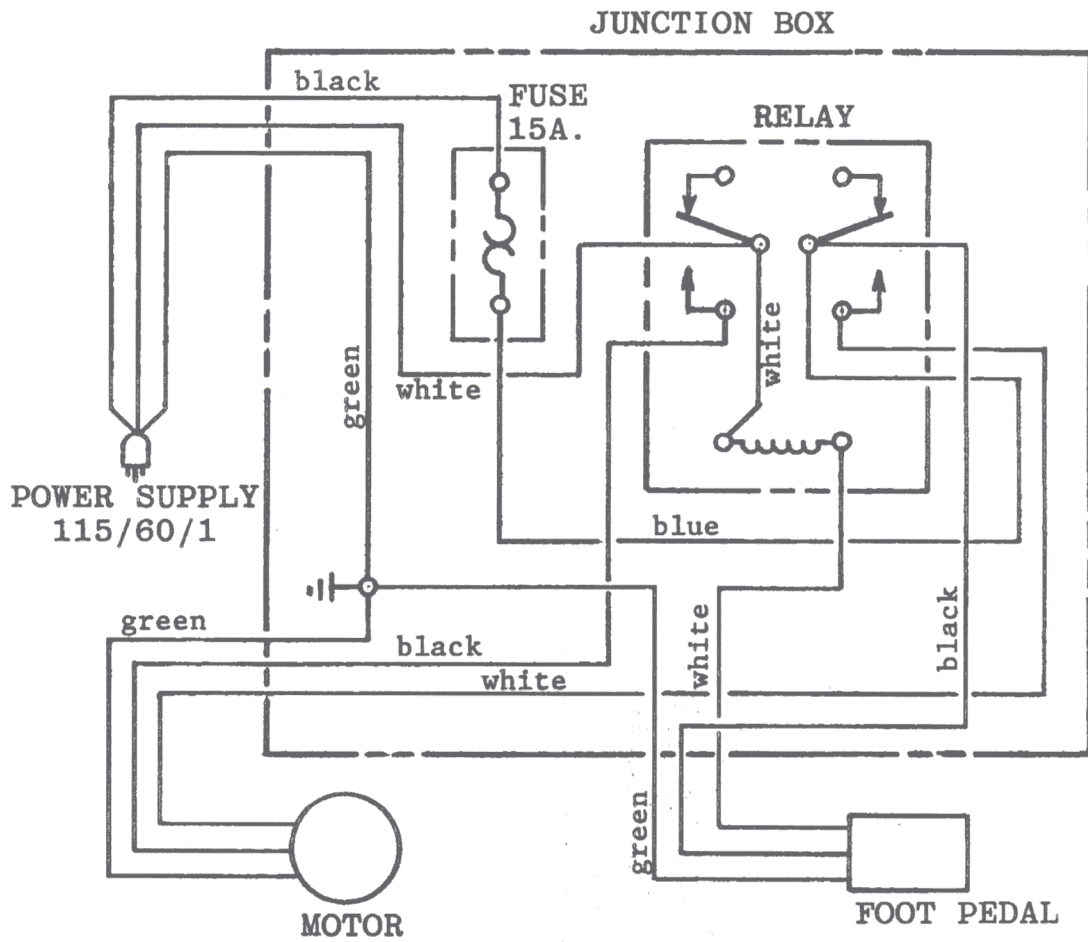
DISCONNECT POWER TO DISPENSER BEFORE PERFORMING ANY MAINTENANCE

1. Interior – Periodically clean and flush with plain water only.
2. Exterior – For aluminum exterior use only a soft cloth moistened with warm water and mild soap. Be sure to rinse and wipe dry. Do not use strong soaps, abrasives, or steel wool. For stainless steel exterior use any recognized stainless steel cleaner or polish.
3. Drive Mechanism:
  - a. Periodically check drive mechanism, located in rear of dispenser, for proper alignment of gears and chain.
  - b. Tighten idler if necessary, proper tension is a snug but not tight chain.
  - c. Keep chain lightly lubricated.

#### 4. Gear Reducer and Electric Motor

The gear reducer and electric motor are capable of operating for long periods with minimal maintenance. Periodically clean dirt accumulations; especially in and around vent openings, preferable by vacuuming. At the same time check that electrical connections are tight.

Once a year or after 2,000 hours of operation drain and re-fill gear reducer with AGMA #4 gear oil. If AGMA #4 gear oil is not available, use multi-purpose gear oil SAE #90.



SCHEMATIC WIRING DIAGRAM

## CHAPTER 4. TROUBLE SHOOTING

| SYMPTOM                                        | POSSIBLE CAUSE(S)                                                                                                        | CORRECTIVE ACTION                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UNIT FAILS TO OPERATE.                         | <ol style="list-style-type: none"><li>1. Check line voltage.</li><li>2. If line voltage O.K.</li></ol>                   | <ol style="list-style-type: none"><li>1. Replace fuse or reset circuit breaker.</li><li>2. Use an insulated probe to manually close the relay. If dispenser operates, check foot pedal. If foot pedal is O.K., check relay; it may be necessary to replace. If relay and foot pedal are O.K. and motor does not function, check motor, it may be necessary to replace.</li></ol> |
| MOTOR OPERATES BUT UNIT DOES NOT DISPENSE ICE. | <ol style="list-style-type: none"><li>1. Check drive system, be sure feed screw and agitator are free to turn.</li></ol> | <ol style="list-style-type: none"><li>1. If neither screw turns check gear reducer and sprocket keys.</li></ol>                                                                                                                                                                                                                                                                  |
| EXCESSIVE NOISE FROM GEAR MOTOR.               | <ol style="list-style-type: none"><li>1. Bearings worn.</li><li>2. Insufficient lubrication.</li></ol>                   | <ol style="list-style-type: none"><li>1. Replace bearings.</li><li>2. Check oil level.</li></ol>                                                                                                                                                                                                                                                                                 |

CHAPTER 5. COMPONENTS PARTS LIST

| QNTY. | DESCRIPTION                  | MGR PART NO. |
|-------|------------------------------|--------------|
| 4     | ADJUSTABLE LEG               | M600442      |
| 1     | AGITATOR SHAFT               | M200302      |
| 1     | DELIVERY AUGER               | M200303      |
| 4     | FLANGE BEARING               | M300224      |
| 1     | IDLER PLATE                  | M100069      |
| 1     | IDLER ARM                    | M300091      |
| 1     | IDLER SHAFT                  | M300008      |
| 1     | IDLER SPROCKET               | M300225      |
| 1     | GEAR MOTOR SPROCKET          | M300226      |
| 1     | AUGER SPROCKET               | M300227      |
| 1     | AGITATOR SPROCKET            | M300228      |
| 1     | FOOT PEDAL                   | M400345      |
| 1     | RELAY                        | M400346      |
| 1     | FUSE (15 A.)                 | M400348      |
| 1     | FUSE HOLDER                  | M400347      |
| 1     | ELECTRIC GEAR MOTOR (SD-650) | M400552      |
| 1     | ELECTRIC MOTOR (SD-900)      | M400349      |
| 1     | GEAR REDUCER (SD-900)        | M400485      |

MINI-BAGGING DISPENSERS

MGR MODEL: SD-650 & SD-900



