020004509 INSTRUCTIONS INSTALLATION 30” ICE MACHINE DRAIN PAN KIT (020004498)

PARTS:

1 - DRAIN PAN
2 - SUPPORT BRACES
4FT - RED DOUBLE FACED TAPE
11FT - FOAM GASKET TAPE

1) SUPPORT ICE MACHINE ABOVE UNIT, TO INSTALL SUPPORT BRACES AND ICE MACHINE DRAIN PAN
2) VERIFY INTEGRITY OF FOAM GASKET TAPE AROUND UNIT TOP, REPLACE AS NECESSARY
3) INSTALL DRAIN PAN SUPPORTS, DRAIN PAN, AND ICE MACHINE AS BELOW
4) ATTACH DRAIN LINE TO FITTING ON BACK OF DRAIN PAN AND RUN APPROPRIATELY
5) ICE MACHINE & DRAIN PAN BI-ANNUAL CLEANING/SANITIZING INSTRUCTIONS



ALIGN EACH SUPPORT BRACE 30” APART OUTSIDE TO OUTSIDE, CENTERED ON UNIT, 1” SUPPORT BRACE TAB ON BACKSIDE; 2” SUPPORT BRACE TAB ON FRONTSIDE

ATTACHED ONE STIP OF DOUBLE FACED TAPE TO EACH SUPPORT BRACE

2” SUPPORT BRACE TAB ON FRONTSIDE



PLACE ICE MACHINE DRAIN PAN ON UNIT, ALIGN BACK DRAIN WITH MIDDLE OF UNIT AND AS FAR FORWARD AS WILL GO

ALIGN BOTTOM SIDE CHANNELS OF DRAIN PAN WITH SUPPORT BRACES

REMOVE DOUBLE FACE TAPE ADHESIVE COVER AND STICK DRAIN PAN TO BRACE SUPPORTS

VERIFY DRAIN PAN CENTERED ON UNIT, SIDE TO SIDE, AS FAR FORWARD AS WILL GO WITH DRAIN FITTING ACCESS AT BACK



PLACE ICE MACHINE ON DRAIN PAN, ALLOW ROOM FOR DOOR REMOVAL IN FRONT, ALLOW ROOM FOR AUXILIARY DRAINS TO BE CAPTURED IN BACK
CENTER SIDE TO SIDE

FINISH BY INSTALLING DRAIN LINE APPROPRIATELY

Ice Machine and Drain Pan Cleaning / Sanitizing Procedure

⚠ Caution

Use only Manitowoc approved Ice Machine Cleaner and Sanitizer for this application (Manitowoc Cleaner part number 94-0546-3 and Manitowoc Sanitizer part number 94-0565-3). It is a violation of Federal law to use these solutions in a manner inconsistent with their labeling. Read and understand all labels printed on bottles before use.

CLEANING PROCEDURE

⚠ Caution

Do not mix Cleaner and Sanitizer solutions together. It is a violation of Federal law to use these solutions in a manner inconsistent with their labeling

⚠ Warning

Wear rubber gloves and safety goggles (and/or face shield) when handling ice machine Cleaner or Sanitizer.

Ice machine cleaner is used to remove lime scale and mineral deposits. Ice machine sanitizer disinfects and removes algae and slime.

Perform this procedure a minimum of once every 6 months.

NOTE: Although not required and dependent on your installation, removing the ice machine top cover may allow easier access.

Step 1 Open the front door to access the evaporator. Ice must not be on the evaporator during the clean/ sanitize cycle. Follow one of the methods below:

- Press the power switch at the end of a harvest cycle after ice falls from the evaporator(s).
- Press the power switch and allow the ice to melt.

⚠ Caution

Never use anything to force ice from the evaporator. Damage may result.

Step 2 Remove all ice from the dispenser.

Step 3 Press the clean switch. Water will flow through the water dump valve and down the drain. Wait until the water trough refills and the display indicates add solution (approximately 1 minute), then add the proper amount of ice machine cleaner.

Model	Amount of Cleaner
I1470C/I1870C/I2170C	9 ounces (270 ml)

Step 4 Wait until the clean cycle is complete (approximately 24 minutes). Then disconnect power to the ice machine (and dispenser when used).

⚠ Warning

Disconnect the electric power to the ice machine and dispenser at the electric service switch box.

Step 5 Remove parts for cleaning.

PARTS REMOVAL FOR CLEANING/SANITIZING

I1470C/I1870C/I2170C

A. Remove splash shields

- Grasp the top center of splash shields.
- Lift up and then out.

B. Remove ice thickness probe

- Compress the hinge pin on the top of the ice thickness probe.
- Pivot the ice thickness probe to disengage one pin then the other. The ice thickness probe can be cleaned at this point without complete removal. If complete removal is desired, disconnect the ice thickness control wiring from the control board.

C. Remove the water trough shield

- Grasp the water trough shield in the center and the left end.
- Flex the water trough shield in the center and pull the left end forward until clear of the side wall. Repeat for the right end.
- Pull water trough shield forward to remove.

D. Remove distribution tubes

- Distribution tubes thumbscrews are retained to prevent loss. Loosen thumbscrews but do not pull thumbscrews out of distribution tube.
- Loosen the two outer screws and pull forward on the distribution tube to release from slip joint.
- Disassemble distribution tube by loosening the two (2) middle thumbscrews and dividing the distribution tube into two pieces.

E. Remove ice dampers

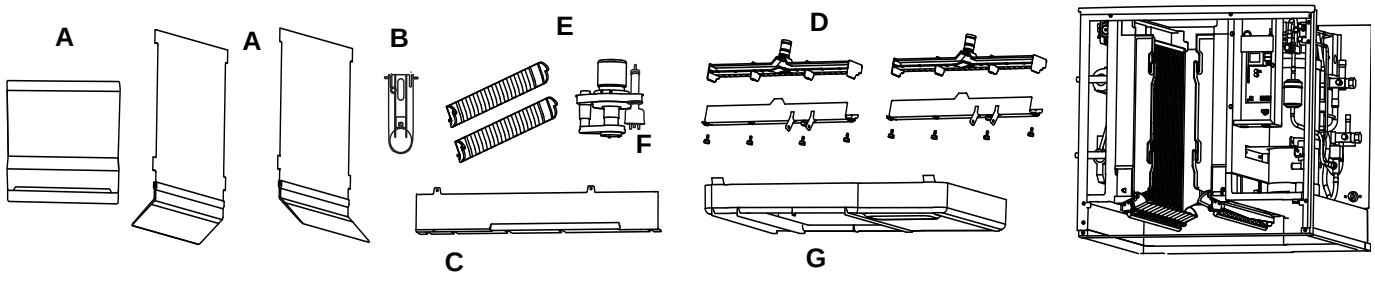
- Grasp ice damper and apply pressure toward the back mounting bracket.
- Apply pressure to the front mounting bracket with thumb.
- Pull ice damper downward when the front ice damper pin disengages.

F. Remove the water pump assembly

- Disconnect the vinyl distribution tube from the water pump.
- Disconnect the water pump and water level probe electrical connections.
- After the wires are disconnected squeeze the two tabs and lift the water pump assembly out of the ice machine.
- Do not immerse the water pump motor in cleaner or sanitizer solutions.

G. Remove the water trough

- Depress the two tabs on the top of the water trough.
- Turn left and right ice dampers down to clear water trough.
- Pull forward on the water trough to remove.



Step 6 Mix a solution of cleaner and lukewarm water. Depending upon the amount of mineral buildup, a larger quantity of solution may be required. Use the ratio in the table below to mix enough solution to thoroughly clean all parts.

Solution Type	Water	Mixed With
Cleaner	1 gal. (4 l)	16 oz (500 ml) cleaner

Step 7 Use 1/2 of the cleaner/water mixture to clean all components. The cleaner solution will foam when it contacts lime scale and mineral deposits; once the foaming stops use a soft-bristle nylon brush, sponge or cloth (NOT a wire brush) to carefully clean the parts. All parts except the ice thickness probe can be soaked when heavily scaled. Rinse all components with clean water.

Step 8 While components are soaking, use 1/2 of the cleaner/water solution to clean all foodzone surfaces of the ice machine and bin (or dispenser). Use a nylon brush or cloth to thoroughly clean the following ice machine areas:

- Side walls
- Base (area above water trough)
- Evaporator plastic parts - including top, bottom, and sides
- Bin or dispenser

Rinse all areas thoroughly with clean water.

Step 9 Pour remaining cleaner/water mixture along both sides and front of drain pan.Do not rinse at this time.

SANITIZING PROCEDURE

Step 10 Mix a solution of sanitizer and lukewarm water.

Solution Type	Water	Mixed With
Sanitizer	3 gal. (12 l)	2 oz (60 ml) sanitizer

Step 11 Use 1/2 of the sanitizer/water solution to sanitize all removed components. Use a spray bottle to liberally apply the solution to all surfaces of the removed parts or soak the removed parts in the sanitizer/water solution. Do not rinse parts after sanitizing.

Step 12 Use 1/2 of the sanitizer/water solution to sanitize all foodzone surfaces of the ice machine and bin (or dispenser). Use a spray bottle to liberally apply the solution. When sanitizing, pay particular attention to the following areas:

- Side walls
- Base (area above water trough)
- Evaporator plastic parts - including top, bottom and sides
- Bin or dispenser

Do not rinse the sanitized areas.

Step 13 Replace all removed components.

Step 14 Wait 20 minutes - While waiting perform the following drain pan maintenance procedures:

1. Rinse the cleaner from the pan by pouring water along the front and both sides of the drain pan.
2. Clean and rinse the drain pan sump and drain on the back of the ice machine.
3. Spray rear drain pan sump area with sanitizer/water solution.
4. Pour remaining sanitizing/water solution along the front and both sides of the drain pan.

Do not rinse sanitized areas.

Step 15 Perform dispenser cleaning/sanitizing procedures.

Step 16 Reapply power to the ice machine and dispenser, then perform the following key strokes.

- Press Clean button
- Press right arrow button, select clean yes button
- Press checkmark button
- Press right arrow button, select auto start yes button
- Press checkmark button

Step 17 Wait until the water trough refills and the display indicates add solution (approximately 1 minute). Add the proper amount of Manitowoc Ice Machine Sanitizer to the water trough

Model	Amount of Sanitizer
I1470C/I1870C/I2170C	12 ounces (355 ml)

Step 18 Close and secure the front door. The ice machine will automatically start ice making after the sanitize cycle is complete (approximately 24 minutes).