MANITOWOC ICE
2110 SOUTH 26TH STREET, MANITOWOC, WI 54220

800-545-5720
WWW.MANITOWOCICE.COM

Service Bulletin

Ice Machines Exhibiting a Low Charge - 48" Remotes Only

JCT1500 REMOTE CONDENSERS - PAIRED WITH:
IT1500N-E / IT1900N-E / KT1700N-E ICE MACHINES

MANITOWOC RECOMMENDS A FACTORY AUTHORIZED SERVICE COMPANY OR DISTRIBUTOR AUTHORIZED SERVICE DEALER FOR INSTALLATION.

Notice:
Manitowoc remote systems are only approved and warranted as a complete new package. Warranty on the refrigeration system will be void if a new ice machine head section is connected to pre-existing (used) tubing or condensing units or vice versa.

Issue: JCT1500 Remote Condensers were built using two differenct air condensers - Aluminum Micro-channel and Copper Fin & Tube. The Copper Fin & Tube may require additional refrigerant. Aluminum Micro-channel will not require further action.

Step 1 Verify Model & Serial Numbers



Confirm ALL Model and Serial numbers.

- Ice Machine Heads have two (2) model and serial tags, one found on the rear panel and one inside, near the control box. The "E" must be in the model number for this bulletin to apply.
- Remote condensers have one (1) model and serial tag by the electrical and refrigeration connections.
- Please record both serial numbers and refrigerant charge for future steps. (REQUIRED)

Step 2 Identify Type of Air Condenser using Remote Condenser Serial Number (SN) from Step 1.

Aluminum Micro-channel: Before SN 1120837623

Copper Fin & Tube: After SN 1120837623

Step 3

A. When an Aluminum Micro-channel Air Condenser has been identified **STOP** - do not proceed with the following steps. The charge on serial tag of the units will match the below values. If they do not match please call Manitowoc Ice Technical Service - 1-800-247-4520.

Refrigerant Charge for JCT1500 with Aluminum Micro-channel Air Condensers Before SN 1120837623 Only

Ice Machine Model	Refrigerant Charge (R410A)	Additional Refrigerant for Line Sets 51'-100'	Maximum System Charge
IT1500E	7.5 lbs	2 lbs	9.5 lbs
IT1900E	8 lbs	2 lbs	10.5 lbs
KT1700E	7.5 lbs	2 lbs	9.5 lbs
For reference only, do not weigh out charge to verify.			

B. When a Copper Fin & Tube Air Condenser has been identified please proceed to Step 4.

Step 4 Identify the Ice Machine Serial Number

A. Before Serial Numer 1120877531, please proceed to Step 5.

B. After Serial Number 1120877531 - factory has corrected the refrigerant **STOP** - do not proceed with the following steps.

Coninued on Next Page...

Step 5 Compare the serial tag refrigerant charge amounts to the below values. They will match, if there is an updated label next to the serial tag the charge has already been adjusted.

Copper Fin & Tube: Chart below for Ice Machine Head Sections with SN Before 1120877531

Ice Machine Model	Refrigerant Charge (R410A)	Additional Refrigerant for Line Sets 51'-100'	Maximum System Charge
IT1500E	7.5 lbs	2 lbs	13.75 lbs
IT1900E	8.0 lbs	2 lbs	14.75 lbs
KT1700E	7.5 lbs	2 lbs	13.75 lbs
NOTE: The "E" must be in the model number for this bulletin to apply.			

Step 6 Adjust the charge when and only when:

A. The machine is exhibiting "Low on Charge" symptoms.

B. The ice machine head has a SN before 1120877531.

C. The remote condenser has a SN after 1120837623 with a Copper Fin & Tube Air Condenser.

D. The model/serial tag matches the values above.

Step 7 Please add the following refrigerant amounts:

Ice Machine Model	Refrigerant Added (R410A)
IT1500E	4.25 lbs
IT1900E	4.75 lbs
KT1700E	4.25 lbs

Step 8 Call Manitowoc Ice Technical Support 1-800-247-4520 for an Authorization Number and new Refrigerant Charge Labels.

Must have BOTH serial numbers (ice machine and remote condenser) when you call. The factory will verify that all the critieria on this Service Bulletin was met and issue you an Authorization Number to include on your Warranty Claim.

The factory wil send you the correct labels to place next to the serial tags on the ice machine, this will indicate the charge as been adjusted for future reference. The remote condenser will NOT need a new label.

Step 9 After the new labels are placed on the ice machine - submit your Warranty Claim.

Include both trips to the unit, labor and refrigerant on your claim. Up to four hours can be claimed.

Example of New Refrigerant Charge Label: may include some additional information unique to each unit.

Ice Machine Model	Refrigerant Charge (R410A)	Additional Refrigerant for Line Sets 51'-100'	Maximum System Charge
IT1500E	11.75 lbs	2 lbs	13.75 lbs
IT1900E	12.75 lbs	2 lbs	14.75 lbs
KT1700E	11.75 lbs	2 lbs	13.75 lbs

Existing inventory has been reworked & all units with a MFG Date With/After 6/22 shipped with the correct charge & tags.