MANITOWOC ICE
2110 SOUTH 26TH STREET, MANITOWOC, WI 54220
800-545-5720
WWW.MANITOWOCICE.COM

Instruction Sheet

Subject: Liquid Line Filter Drier Replacement

⚠Warning

Authorized Service Representatives are obligated to follow industry standard safety procedures, including, but not limited to, local/national regulations for disconnection / lock out / tag out procedures for all utilities including electric, gas, water and steam.

DANGER

Disconnect electric power to the ice machine at the electric switch box before proceeding. Failure to disconnect the power at the main power supply disconnect could result in serious injury or death. The power switch DOES NOT disconnect all incoming power.

⚠Warning

This equipment contains refrigerant charge. Procedures must be performed by a properly trained and certified refrigeration technician aware of the dangers of dealing with refrigerant charged equipment**.**

Removal/Replacement/Evacuation/Charging

1. Disconnect, lockout and tag out all utlities.
2. Remove liquid line filter drier - Always cut a filter drier out when replacing, never heat to remove.
3. Remove schrader core from filter to prevent damage during the brazing process.
4. Wrap filter drier with a wet cloth or other suitable heat sink to prevent overheating and paint blister.
5. An inert gas must be purged through the system during brazing. Send a slight flow of dry nitrogen or other inert gas through the tubing while brazing.
6. Braze filter drier, cool joints and install schrader core.
7. Pressure test refrigeration system to verify no leaks are present.
8. Evacuate system to minimum 500 microns.
9. Refer to nameplate to identify refrigerant type and amount. Always weigh in the nameplate refrigerant amount.

⚠Caution

Charging through the high or low side access valves can result in immediate compressor failure. All refrigerant must be added through the liquid line drier in the refrigeration compartment.

10. Add liquid refrigerant through the schrader port on the liquid line drier. Do not add liquid refrigerant through the high or low side access ports on the front of the ice machine.
11. Restore utilities disconnected in step one, then test run the ice machine.
12. Verify all refrigerant is drawn into the ice machine before disconnecting the manifold guage set from the ice machine.

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