



## FIRST STEPS TO A SUCCESSFUL INSTALLATION OF A VOGT TUBE-ICE MACHINE

### MUST COMPLETE AND RETURN WITH START-UP REPORT FORM

Now that you have received your NEW Vogt Tube-Ice machine, please complete the following checks below. Once these steps are complete with satisfactory results, please proceed to completing the Pre-Start Up Checklist and Start-Up Report. Please note that these documents are required for proper registration of your new ice machine. **Return the documents to Vogt Ice within 60-days of shipment of your equipment from the factory and receive an additional 90-days of warranty.**

Job# \_\_\_\_\_ Model: \_\_\_\_\_ Serial No. \_\_\_\_\_

Your ice machine is shipped with the refrigerant charge isolated in the receiver and a factory pump down level is marked on the receiver gauge glass. Due to vibration during transport and handling, mechanical connections/fittings in the refrigerant lines, water lines, and even in the electrical box, can become loose. Before operating your ice machine, follow the steps below to ensure system readiness.

#### **Step 1: Check Pressure Gages (If no gages on machine, move to Step 2)**

At the factory, your machine was pumped down, and all valves closed for shipping. For machines with pressure gages, gages measure the high pressure and low-pressure reading when the machine is in operation, but when pumped down with all valves closed, it only measures the pressure on the line the super hoses are connected to. Check that the dial position on the gages has positive pressure readings.

Is the dial position on the gage positive? (Circle) YES or NO

If No, record the pressure reading, and document below:

\_\_\_\_\_ PSIG

If reading is less than 0 PSIG (as applicable), call Vogt Ice Tech Support @ 1-502-635-3510

#### **Step 2: Check Refrigerant Level**

Ensure the refrigerant level in the receiver is consistent with the marked factory pump-down level. First, open the gage glass cock valves and note the refrigerant level.

Is the refrigerant level at  $\pm 2''$  of the marking on the gauge glass? (Circle) YES or NO

If No, measure the distance from the marking, and document below:

\_\_\_\_\_ Inches (Circle) ABOVE or BELOW (You may want to refer to this in the future)

If reading is more than 2'' above or below (as applicable), call Vogt Ice. Tech Support @ 1-502-635-3510

**Step 3: Tighten all Connections**

Once again, a reminder that **mechanical connections** may get loose due to vibration during transportation and handling. After Vogt recommended refrigerant levels have been checked, and before any other valve is opened, ensure the tightness of all mechanical connections, flare fittings, flange nuts, etc.

In addition to mechanical connections, check the control panel for any loose electrical connections, and tighten.

**Step 4: Connect Machine to Power**

After checking all connections, connect the machine to power.

**DO NOT start the machine yet!**

Allow the compressor heater to be energized (under power) for at least 2 hours before “start”. This is to ensure that refrigerant that may have condensed in the crankcase, during shut down, period evaporates completely. This warm-up period is always required every time the machine is shut down and power is cut off from the machine.

**Step 5: Open the System**

After acceptable results above, open all valves tagged with the blue and white tags stating,

**“THIS VALVE WAS CLOSED FOR SHIPPING PURPOSES”**

**Step 6: Perform System Leak Check**

Then, perform a full system refrigerant leak check. If a leak is found in a mechanical connection, tighten the fitting, and recheck. If tightening does not fix the leak, or if the leak is in a non-mechanical joint, isolate the joint/line with the leak to prevent complete loss of refrigerant charge. If you cannot isolate the leak, pump the system down to isolate the refrigerant in the receiver, to minimize loss.

Take pictures of the leak point and Contact Vogt Ice Tech Support @ 1-502-635-3510

**Step 7: Inspect for Water Tightness**

After acceptable results above, fill the water side of the system and inspect for water tightness. Tighten fitting where needed. If tightening does not fix the leak, or if the leak is in a non-mechanical joint or other location, take a picture of the leak point, then call Vogt Ice Tech Support @ 1-502-635-3510

If all checks above yielded acceptable results and a 2-hour compressor warm-up is completed, you may now **START** your machine.

**From this point, follow the Startup instructions in the manual.**

NOTE: If you must leave the machine for an extended period of time PRIOR to completing startup, pump down the system, and isolate the refrigerant in the receiver. When you return, repeat this entire procedure to perform system checks and validate system readiness.

Upon completion of the **STARTUP** process, please send a completed copy of this document and the startup report via mail, email, or fax. **Return the documents to Vogt Ice within 60-days of shipment of your equipment from the factory and receive an additional 90-days of warranty.**

**Mailing Address**

**Attention: Vogt Ice Technical Support**  
1000 West Ormsby Avenue, Suite 19  
Louisville, KY 40210

**Email Address**

techsupport@vogtice.com

**Fax**

502-635-3024

If you have any questions regarding the startup procedure or submitting documentation, please contact Vogt Ice Tech Support @ 1-502-635-3510.