CVD S-Type Trap Kit

Installation Instructions

⚠ WARNING

Disconnect electrical power to the ice machine head section and the CVD condensing unit before proceeding.

Suction Line Oil Trap

The ice machine head section has one oil trap built in which allows for a maximum condenser rise of 20 feet (6.1m) without additional traps in the suction line.

If the line set run has rise of more than 20 feet (6.1m), the suction line will require an additional oil trap ("S" type).

Install the trap, as close to midpoint as possible, between the ice machine and CVD condensing unit. Follow the steps for installing the oil trap.

Line Set Length

100 Feet (30.5m) Length: The maximum measured length the line set can be.

35 Feet (10.7m) Rise: The maximum distance the CVD condensing unit can be above the ice machine.

15 Feet (4.5m) Drop: The maximum distance the CVD condensing unit can be below the ice machine.

Insulation Requirements

Minimum 3/8" wall pipe insulation is required for most applications. This is adequate for an environment with 70% relative humidity and an ambient temperature of 90°F (32.2°C).

Thicker wall insulation may be required for environments with characteristics above 70% relative humidity and/or ambient temperatures above 90°F (32.2°C).

Installing the Oil Trap

Step 1. Verify ice machine and CVD condensing unit locations are within guidelines prior to installation (see Install/Use/Care Guide).

⚠ WARNING

The ice machine head section contains a refrigerant charge. The ice machine head section contains three (3) refrigeration valves that **must remain closed** until proper installation of the refrigerant lines is complete.

Installing the Oil Trap (continued)

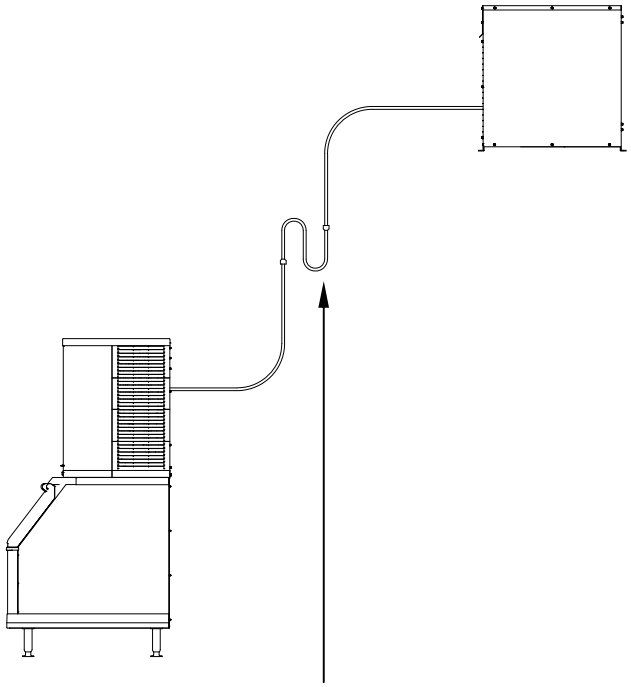
Step 2. Follow the guidelines at left to decide the best location to install the trap.

Step 3. Cut suction line with a tubing cutter and ream pipe at point where trap is to be installed.

Step 4. Fit trap in place. Be sure trap is mounted vertically (see illustration below for proper mounting position).

Step 5. Braze both ends of the trap and insulate (see insulation requirements). **Note: Allow pipe to cool before insulating.**

Step 6. Follow instructions for making the remaining line set connections and refrigeration start up procedure (see Install/ Use/Care Guide).



Install trap midpoint between the ice machine head section and the CVD

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