



K00129 FEMALE COUPLING KIT

Female coupling kit consists of:

- 1 - 90° 5/8-18 fitting
- 1 - straight 5/8-18 fitting
- 1 - 90° 1 1/16-12 fitting
- 1 - straight 1 1/16-12 fitting
- 4 - access fitting cores
- 2 - 3/8 x 5/16 reducer couplings
- 4 - 1/4 flare caps

NOTE: The 90° bend connects to the ice machine and the straight end to the condenser.

This coupling kit is to be used, when the Manitowoc tubing kit is not used to pipe the ice machine to the remote condenser.

Important: Do not connect the couplings to the ice machine or the condenser before the field piping has been completed.

Field piping instructions:

1. Refer to the ice machine installation instructions for proper line routing and sizing.
2. After lines have been run, braze the four couplings (included in the kit) onto the ends of the field-installed lines.
3. Install the access fitting cores.
4. Pressurize the lines with dry nitrogen and leak check all brazed joints and core valves.
5. Evacuate line sets to 250 micron vacuum for one half-hour. A standing vacuum test should be performed now, as a final leak test.
6. Break the vacuum with a holding charge (5 psig) of refrigerant type that matches the nameplate in the ice machine.
7. Wet the “O” rings on the fittings with a couple drops of refrigerant oil prior to connecting together.
8. The quick-connect couplings can now be installed onto the ice machine and the condenser. Leak test quick-connects now. After establishing that there are no leaks, open the service valves at the receiver by back-seating each one fully.

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Rev. 05/13/99