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

800-545-5720
WWW.MANITOWOCICE.COM

Service Bulletin

NEO Ice Machine Water & Drain Connections

U & UF MODELS - 140/190/240/310

NEO DRAINS

NEO ice machines require two or three separate drains, depending on whether the model has an air-cooled condenser or water-cooled condenser.

WATER/DRAIN CONNECTION LOCATIONS

A. Ice Making: Water Inlet
Ice Making Water Connection - The water inlet valve energizes to fill the water trough.

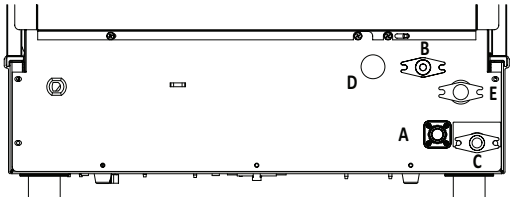
B. Ice Making: Water Outlet
Ice Making Water Drain - The dump valve purges water from the water trough during the initial startup cycle and then every third harvest cycle.

C. Bin Drain
Drains the melt water from the bottom of the bin.

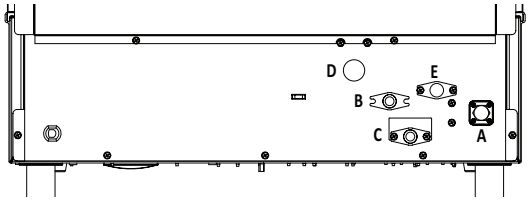
D. Condenser Water Inlet - (Water-cooled Only)
Supply water used to remove heat from the condenser.

E. Condenser Water Outlet - (Water-cooled Only)
Drain used to remove water warmed by heat transfer from the condenser.

NOTE: Local code may require that all water-cooled models be connected only to a closed loop, cooling tower system.



U0140/U0190/U0240 Models

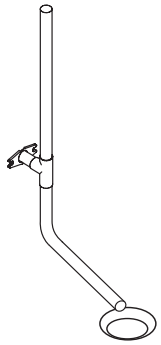


U0310 Models

DRAIN CONNECTIONS

Follow these guidelines when installing drain lines to prevent drain water from flowing back into the ice machine storage bin:

- Run separate bin, ice making and water-cooled condenser drain lines and insulate them to prevent condensation.
- Vent the ice making water drains. Do not vent the condenser drain on water-cooled models.
- The floor drain must be large enough to accommodate drainage from all drains.
- Drain lines must have a 1.5 inch drop per 5 feet of run (2.5 cm per meter) and must not create traps.
- Vented drain line must be 8” (20 cm) long.



Vented Drain Line

WATER SUPPLY

Follow these guidelines to install water inlet lines:

• Do not connect the ice machine to a hot water supply. Be sure all hot water restrictors installed for other equipment are working. (Check valves on sink faucets, dishwashers, etc.)

• If water pressure exceeds the maximum recommended pressure, 80 psig (5.5 bar) obtain a water pressure regulator from your Manitowoc distributor.

• Install a water shut-off valve for ice making potable water.

• Insulate water inlet lines to prevent condensation.