Horizon Elite™ Ice Machine Installation Instructions for Ice Storage Bin Top-mount Applications

HCD/HMD/HCF/HMF1010RBT, HCD/HMD/HCF/HMF1410RBT, HCD1010NBT, HMD1010NBT, HCD1410NBT, HMD1410NBT
(See model number configurator on page 2 for details.)

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## Chewblet® Ice Machine Model Number Configurations

<table>
<thead>
<tr>
<th>Icemaker</th>
<th>Voltage</th>
<th>Series</th>
<th>Condenser</th>
<th>Application</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC Maestro™ Chewblet®</td>
<td>C 208-230/60/1 (icemaking head)</td>
<td>Self-contained only.</td>
<td>400</td>
<td>A  Air-cooled, self-contained</td>
<td>V Vision™</td>
</tr>
<tr>
<td>HC Horizon</td>
<td>D 115/60/1 (icemaking head)</td>
<td>Self-contained and remote. If remote unit, high side is 208-230/60/1.</td>
<td>1000/1010</td>
<td>B Ice storage bin</td>
<td>S RIDE™ (RIDE remote ice delivery equipment)</td>
</tr>
<tr>
<td>HM Horizon</td>
<td>E 230/50/1 (icemaking head)</td>
<td>Self-contained only.</td>
<td>1400/1410</td>
<td>R Air-cooled, remote condensing unit</td>
<td>J Drop-in</td>
</tr>
<tr>
<td>Micro Chewblet</td>
<td>F 115/60/1 (icemaking head)</td>
<td>Remote only. High side is 208-230/60/3.</td>
<td>1650</td>
<td>N Air-cooled, no condensing unit for connection to parallel rack system</td>
<td>M Ice Manager diverter valve system</td>
</tr>
</tbody>
</table>

### CAUTION!

- This appliance should be connected by a qualified person in accordance with applicable codes.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Connect to potable water supply only.
- This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children should be supervised to ensure that they do not play with the appliance.
- This appliance is intended to be used for household and similar applications such as staff kitchen areas in shops, offices and other working environments; farm houses and by clients in hotels, motels and other residential type environments; bed and breakfast type environments; catering and similar non-retail applications.
- WARNING! To avoid a hazard due to instability of the appliance, it must be fixed in accordance with the instructions.
Read and complete the following 8 installation steps

1. Unpack
2. Site preparation
3. Bin preparation
4. Louvered docking assembly
5. Ice transport tube
6. External connection
7. Internal connection
8. Front cover
Carefully unpack and inspect the contents of your Follett ice machine.

### 1.1 Unpack ice machine

1. Unpack ice machine
2. Inspect components
3. Remove packaging
4. Check for damage
5. Assemble unit
6. Position correctly
Prepare the installation site.

Provide drainage, water supply and electrical power to within 6 feet (2m) of ice machine in accordance with local and national codes. Outdoor installation is not recommended and will void warranty.

### 2.1 Installation site requirements

- **Electrical**
  - 120/60/1-5 amps

- **Potable water supply**
  - (3/8” push-in internal connection, 3/8” OD tubing required)
    - 10-70 psi (69-483kpa)
    - 45-90 F (7-32 C)
    - Follett recommends the use of an in-line water filtration system (item# 00130286)
    - This equipment is to be installed with adequate backflow protection to comply with applicable federal, state, and local codes

- **Drain**
  - (3/4” MPT)
    - The drain line from the ice machine must have at least 1/4” per foot pitch (6,4 mm/0,3 m)

- **Refrigeration lines**
  - 5/8” Ø (15,8 mm) diameter suction line (insulated)
  - 3/8” Ø (9,5 mm) liquid line
Prepare the bin.

3.1 Bin top preparation
- Remove protective tape from gaskets

3.2 Bin top preparation
- Apply gaskets ➊
- Install shuttle actuator ➋ through bin top and secure with locking nut ➌
Install the louvered docking assembly.

4.1 Louvered docking assembly

• Mount louvered docking assembly ①
• “Rough-in” the refrigerant piping ②
Install the ice transport tube.

5.1

- Slide insulation onto ice transport tube
- Heat end of transport tube in cup of 160°F (71°C) hot water to soften and spread with pliers 1 before making connection to ease assembly
- Connect ice transport tube to coupling on louvered docking station 2
- Connect ice transport tube to shuttle actuator 3
Connect utilities to louvered docking assembly.

**6.1 Water and drain**

- Remove access panel if necessary.
- Install drain line ①. The rigid drain line from the ice machine must have at least 1/4" per foot pitch (6.4mm/0.3m).
- Rough-in ice machine potable water supply ②. 3/8” push-in connection will be made at shut-off valve inside machine.
- Apply Petrogel to barbed drain fitting ③.
- Replace access panel.

**6.2 Refrigerant lines**

- Braze supplied expandable refrigerant lines in place ①.
Connect louvered docking assembly to ice machine.

Internal connections

7.1 Ice transport tube installation

- Slide ice machine into louvered docking assembly ensuring that drain tube is fully seated on barbed drain fitting
- Insert ice transport tube all the way into coupling and tighten nut firmly

7.2 Water line

- Insert potable water line into valve

7.3 Refrigeration lines

- Braze refrigerant lines

7.4 Power cord

- Remove twist tie
- Carefully pass cord thru opening and plug into wall outlet
7.5 Power cord

- Position plate into opening and secure with supplied screw

7.6 TDS switch

- Set the TDS switch on the electrical box:
  - **HIGH**: for extended service life
  - **LOW**: for low-scale water
Install front cover to ice machine.

8.1 Install condensing unit

- Complete installation of condensing unit or connection to rack system.
- Required rack system capacity at 0 F (-18 C) evaporator (EPR supplied by installer).
  1010N: 7,700 Btu/hr (1940 kcal/hr)
  1410N: 10,000 Btu/hr (2519 kcal/hr)

8.2 Install ice machine front cover

- Slide ice machine cover over machine ensuring that tabs on back of cover slip under louvers on back of louvered docking assembly 1
- Insert and tighten two screws through cover and into louvered docking assembly 2

NOTICE

Ice machine MUST be sanitized prior to operation!
Consult Operation and Service Manual provided with ice machine for sanitizing instructions.