Horizon Elite™ Ice Machine Models with RIDE™ Technology
Installation Instructions for Ice Storage Bins

HCD/HMD/HCF/HMF1810RBS, HCD/HMD/HCF/HMF2110RBS
HCD/HMD1810NBS, HCD/HMD2110NBS
(See model number configurator on page 2 for details.)
### 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™</td>
<td>208-230/60/1 (icemaking head)</td>
<td>425 up to</td>
<td>A Air-cooled, self-contained</td>
<td>V Vision™</td>
<td>S RIDETM</td>
</tr>
<tr>
<td></td>
<td>115/60/1 (icemaking head)</td>
<td>425 lbs (193 kg)</td>
<td>W Water-cooled, self-contained</td>
<td>H Harmony™</td>
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</tr>
<tr>
<td></td>
<td>Self-contained only.</td>
<td>up to</td>
<td>R Air-cooled, remote condensing unit</td>
<td>B Ice storage bin</td>
<td></td>
</tr>
<tr>
<td>HC Horizon</td>
<td>230/50/1 (icemaking head)</td>
<td>675 lbs (306 kg)</td>
<td>N Air-cooled, no condensing unit for connection to parallel rack system</td>
<td>J Drop-in</td>
<td></td>
</tr>
<tr>
<td>Chewblet</td>
<td>Self-contained only.</td>
<td>up to</td>
<td></td>
<td>M Ice Manager diverter valve system</td>
<td></td>
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<tr>
<td>(710, 1010,</td>
<td>1010 up to</td>
<td></td>
<td></td>
<td>P Cornelius Profile PR150</td>
<td></td>
</tr>
<tr>
<td>1410, 1810,</td>
<td>1061 lbs (482 kg)</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>2110 Series)</td>
<td>1410 up to</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>HM Horizon</td>
<td>1466 lbs (665 kg)</td>
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<td></td>
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<td></td>
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<tr>
<td>Micro Chewblet</td>
<td>1810 up to</td>
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<td></td>
<td>1790 lbs (812 kg)</td>
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<td></td>
<td>2110 up to</td>
<td></td>
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<td></td>
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<tr>
<td></td>
<td>2039 lbs (925 kg)</td>
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<td></td>
<td>208-230/60/3.</td>
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</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. Unpack ice machine

1.1

1. Unpack ice machine

2. [Diagram of ice machine]

3. [Diagram of ice machine]

4. [Diagram showing removal of packaging]

5. [Diagram showing ice machine components]

6. [Diagram showing ice machine components]

7. [Diagram showing ice machine in final position]

Unpack and inspect the contents of your Follett ice machine. Do not tilt the ice machine to access bolts! Compressor damage will result.
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 of low side is not recommended and will void warranty.

2.1 Installation site requirements

Electrical 1
- 120/60/1-5 amps

Potable water supply 2 (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 (3/4" MPT)
- Minimum 8" radius on silicone drain line. Drain line from the ice machine must have at least 1/4" per foot pitch (6.4mm/0.3m).

Refrigeration lines 4
- 7/8" Ø (22.4 mm) diameter suction line (insulated) 4
- 3/8" Ø (9.5 mm) liquid line 5
Prepare the bin.

### 3.1 Bin top preparation

- Locate center of bin top
- Cut 3" (76.2mm) diameter hole in bin top

### 3.2 Bin top preparation

- Remove protective tape from gaskets

### 3.3 Bin top preparation

- Apply gaskets ①
- Install shuttle actuator ② through top of bin and secure with locking nut ③

**BEFORE PROCEEDING**

Prior to installing the louvered docking assembly, ensure that the drain fitting is oriented (right or left) correctly for your installation. An optional straight drain fitting is also supplied. You may need to remove the back panel of the docking assembly in order to re-orient or change the drain fitting. Replace back panel prior to mounting the docking assembly.
Install the louvered docking assembly.

4.1 Louvered docking assembly

- Mount louvered docking assembly ➊
- "Rough-in" the refrigerant piping ➋
5.1 Ice transport tube installation

Ice transport tube tips
- Insulate entire length of ice transport tube ①
- Secure ice transport tube ② as needed to prevent dips and traps from forming. For long tube runs see guide on page 13.
- Pitch ice transport tube at least 1/4" per foot (6.4mm/.3m) ③
- Ice transport tube must drain towards ice machine

Ice transport tube to bin
- Be sure tube ends are square ④
- Heat end of transport tube in cup of 160°F (71°C) hot water to soften and spread with pliers ⑤ before making connection to ease assembly
- Push ice transport tube onto ice machine nipple ⑥
- Install hose clamp ⑦

Ice transport tube to Ice machine
- Be sure tube ends are square ⑧
- Heat end of transport tube in cup of 160°F (71°C) hot water to soften and spread with pliers ⑤ before making connection to ease assembly
- Push ice transport tube onto ice machine nipple ⑨
- Install hose clamp ⑩
Connect utilities to louvered docking assembly.

6.1 Water and drain

- Rough-in ice machine potable water supply 1.
  3/8" push-in connection will be made at shut-off valve inside machine
- Remove access panel if necessary 2.
- Connect the silicone tubing to the ice machine 3/4" drain barb 3.
- Assemble the 3/4" barb x 3/4" FPT to the 3/4" MPT x 1" slip. Connect the other end of the silicone tubing to the 3/4" barb 4.
- Connect the 1" slip fitting to the 1" stand pipe/drain 5.

**Note:** Minimum 8" radius on silicone drain line. Drain line from the ice machine must have at least 1/4" per foot pitch (6,4mm/0,3m).
- Apply Petrogel to barbed drain fitting 6
- Replace access panel.

6.2 Refrigerant

- Braze supplied quick-connect lines onto stub-ins 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
- Evacuate line set.
- Connect self-sealing liquid and suction line fittings

### 7.4 Power cord
- Remove twist tie
- Carefully pass cord thru opening and plug into wall outlet
• Position plate into opening and secure with supplied screw

• Set the TDS switch on the electrical box:
  - **HIGH**: for extended service life
  - **LOW**: for low-scale water

3" Ø
(76,2mm)
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).
  1810N: 15,700 Btu/hr (3956 kcal/hr)
  2110N: 18,200 Btu/hr (4586 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 ⃣
• Insert and tighten two screws through cover and into louvered docking assembly ❼

NOTICE

Ice machine MUST be sanitized prior to operation!
Consult Operation and Service Manual provided with ice machine for sanitizing instructions.
• Pitch ice transport tube to allow melt water to drain towards ice machine ①
• Secure insulated ice transport tube at least every 2 ft (.6m) to prevent dips or traps ②