Horizon™ Ice Machine Models with RIDE™ Technology
Installation Instructions for Drop-Ins

HCD/HMD/HCF/HMF1000RJS, HCD/HMD/HCF/HMF1400RJS, HCD/HMD/HCF/HMF1650RJS, HCD/HMD1000NJS, HCD/HMD1400NJS, HCD/HMD1650NJS
(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>208-230/60/1 (icemaking head)</td>
<td>400</td>
<td>A</td>
<td>Air-cooled, self-contained</td>
<td>Vision™</td>
</tr>
<tr>
<td>HC Horizon Chewblet</td>
<td>115/60/1 (icemaking head)</td>
<td>1000</td>
<td>B</td>
<td>Water-cooled, self-contained</td>
<td>Harmony™</td>
</tr>
<tr>
<td>HC Horizon Micro Chewblet</td>
<td>230/60/1 (icemaking head)</td>
<td>1400</td>
<td>H</td>
<td>Air-cooled, remote condensing unit</td>
<td>Drop-in</td>
</tr>
<tr>
<td>HM Horizon Micro Chewblet</td>
<td>115/60/1 (icemaking head)</td>
<td>1650</td>
<td>N</td>
<td>Air-cooled, no condensing unit for connection to parallel rack system</td>
<td>Ice Manager diverter valve system</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>R</td>
<td>High side is 208-230/60/3.</td>
<td>Top-mount</td>
</tr>
</tbody>
</table>

- **C**: Condenser Series
- **A**: Application
- **V**: Condenser
- **S**: Configuration
- **T**: Top-mount
- **MC**: Maestro™
- **HC**: Horizon Chewblet
- **HM**: Horizon Micro Chewblet
- **A**: Air-cooled, self-contained
- **B**: Water-cooled, self-contained
- **R**: Air-cooled, remote condensing unit
- **N**: Air-cooled, no condensing unit for connection to parallel rack system
Read and complete the following 8 installation steps

1. Unpack
2. Site preparation
3. Dispenser 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. Unpack ice machine
3. Unpack ice machine
4. Unpack ice machine
5. Unpack ice machine
6. Unpack ice machine

Unpack ice machine

- Carefully unpack and inspect the contents of your Follett ice machine.
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
- 120/60/1-6 amps

Potable water supply
- 10-70 psi (69-483kpa)
- 45-90 F (7-32 C)
- Follett recommends the use of an in-line water filtration system (item# 00130286)

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

Refrigeration lines
- 1000, 1400: 5/8" (15,8mm) diameter suction (insulated)
- 1650: 7/8" (22,2mm) diameter suction (insulated)
- 3/8" (9,5mm) liquid
Prepare the dispenser.

**Dispenser preparation**

3.1 **Dispenser preparation**

- Determine best route for ice transport tube run. **Note:** 12" (304.8mm) clearance is required.
- Drill 1 3/4" (44.5mm) hole through either side of dispenser ❶
- Install gasket ❷ onto bulkhead fitting ❸
- Attach bulkhead fitting with flat up ❹ and tighten bulkhead nut ❺
- Position and secure nut locking plate ❻ with supplied screws
- Verify installation of O-ring on stainless steel ice transport tube coupling ❼
- Insert stainless steel ice transport tube coupling ❼ into bulkhead fitting and secure with coupling cap ❽
- Heat end of transport tube in cup of 160 F (71 C) hot water to soften and spread with pliers ❾ before making connection to ease assembly
- Attach ice transport tube to coupling with supplied hose clamp ❿
Install the louvered docking assembly.

Wall bracket accessory

- Mount louvered docking assembly to wall bracket accessory

Machine stand accessory

- Mount louvered docking assembly to machine stand accessory

4.1 Louvered docking assembly

- Mount louvered docking assembly
- “Rough-in” the refrigerant piping

1000, 1400:
5/8” φ low pressure line
1650:
7/8” φ low pressure line

1-3/4” (44,5mm)
3” (76mm)
3/8” φ high pressure line
1” (25,4mm) Stub Typ
3” (76mm)
4.1 Undercounter installation requirements

**DOCKING STATION**
- Position and screw louvered docking assembly to the bottom of counter inside of access panel/door min. of 1.75" (45mm) from the front edge of the cross brace ➊.
- The mounting surface for the louvered docking assembly must be solid. Do not mount directly onto runners or channels.
- There must be no lip or edge that would hinder the ice machine from sliding in or out of the louvered docking station ➋.
- Ice machine must be installed facing forward as shown for service accessibility ➌.

![Top View Diagram](image)

Access panel/door on counter

1.75" (45mm) min.

24.5" min. (623mm)

21" min. (534mm)

No Lip

➊ Position and screw louvered docking assembly to the bottom of counter inside of access panel/door min. of 1.75" (45mm) from the front edge of the cross brace.

➋ The mounting surface for the louvered docking assembly must be solid. Do not mount directly onto runners or channels.

➌ There must be no lip or edge that would hinder the ice machine from sliding in or out of the louvered docking station.

Ice machine must be installed facing forward as shown for service accessibility.

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Install the ice transport tube.

5.1 Ice transport tube installation from dispenser to ice machine

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 14.
- 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 Ice machine
- 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
Connect utilities to louvered docking assembly.

External connections

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6.1 Water and drain

- Remove access panel if necessary.
- Install drain line ➊. The rigid drain line from the ice machine must have at least 1/4" per foot pitch (6,4mm/0,3m).
- Install ice machine potable water supply ➋.
- Replace access panel

6.2 Refrigerant

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

7.1 Ice transport tube installation

- Slide ice machine into louvered docking assembly ❶
- Insert ice transport tube all the way into coupling and tighten nut firmly ❷

7.2 Water and drain lines

- Insert potable water line into valve ❶
- Push drain line over hose barb on back of evaporator mount ❷

7.3 Refrigeration lines

- Rotate and braze refrigerant lines ❶

7.4 Power cord

- Remove twist tie
- Carefully pass plug thru opening and plug into wall outlet
Position plate into opening and secure with supplied screw
Install front cover to ice machine.

### 8.1 Install condensing unit

- Complete installation of condensing unit or connection to rack system.

### 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.
• Pitch ice transport tube to allow melt water to drain towards ice machine ❶
• Secure insulated ice transport tube at least every 2 ft (.6m) to prevent dips or traps ❷