Horizon™ Ice Machine Models with RIDE™ Technology
Installation Instructions for Vision™

HCD/HMD/HCF/HMF1000RVS, HCD/HMD/HCF/HMF1400RVS, HCD/HMD/HCF/HMF1650RVS,
HCD/HMD1000NVS, HCD/HMD1400NVS, HCD/HMD1650NVS
(See model number configurator on page 2 for details.)

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<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</td>
<td>400</td>
<td>A Air-cooled, self-contained</td>
<td>Vision™</td>
<td>S RIDE™</td>
</tr>
<tr>
<td>Chewblet® (400</td>
<td>(icemaking head)</td>
<td>up to</td>
<td></td>
<td>H Harmony™</td>
<td></td>
</tr>
<tr>
<td>Series)</td>
<td>Self-contained only</td>
<td>454 lbs</td>
<td></td>
<td>B Ice storage bin</td>
<td></td>
</tr>
<tr>
<td>HC Horizon</td>
<td>115/60/1</td>
<td>454 lbs</td>
<td></td>
<td>J Drop-in</td>
<td></td>
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<tr>
<td>Chewblet (1000,</td>
<td>Self-contained and remote. If remote unit, high side is 208-230/60/1.</td>
<td></td>
<td></td>
<td>M Ice Manager diverter valve system</td>
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<tr>
<td>1400, 1650</td>
<td></td>
<td>up to</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Series)</td>
<td></td>
<td>1036 lbs</td>
<td></td>
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<td></td>
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<tr>
<td>HM Horizon</td>
<td>230/50/1</td>
<td>1036 lbs</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Micro Chewblet</td>
<td>(icemaking head)</td>
<td>up to</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Self-contained only</td>
<td>1036 lbs</td>
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<tr>
<td></td>
<td>115/60/1</td>
<td>1450 lbs</td>
<td></td>
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<tr>
<td></td>
<td>(icemaking head)</td>
<td>up to</td>
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</tr>
<tr>
<td></td>
<td>Remote only. High side is 208-230/60/3.</td>
<td>1580 lbs</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>(717kg)</td>
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</table>
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. Remove any protective wrapping or packaging
3. Unplug any power cords
4. Check for any visible damage
5. Read the manual for additional instructions
6. Install any necessary components
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
- 120/60/1-6 amps

Potable water supply ②
- 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 ③
- The drain line from the ice machine must have at least 1/4" per foot pitch (6,4mm/0,3m)

Refrigeration lines ④
- 1000, 1400: 5/8" (15,8mm) diameter suction (insulated)
- 1650: 7/8" (22,2mm) diameter suction (insulated)
- 3/8" (9,5mm) liquid ⑤
Prepare the dispenser.

**Dispenser preparation**

### 3.1 Bin Signal Installation

- Mount the electrical box to the side of the Vision dispenser 1 to establish a ground connection. **Note:** If a 4 x 4 box is mounted to a non-grounded surface, connect ground wire at an appropriate ground.
- Connect the bin signal plug on the electrical box to the bin signal cord on the bin 2.
- Insert 24" (609.6mm) of the long bin signal cable 3 into the hole in the back of the louvered docking station 4 and secure in place with strain relief provided.
- After sliding the ice machine module into the louvered docking station, disconnect the shuttle plug 5 from the ice machine control box.
- Complete normal installation procedure for the ice machine using the installation manual that shipped with the ice machine.
- Connect the bin signal plug 6 into the ice machine control box.
Install the louvered docking assembly.

4

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 ➊
- “Rough-in” the refrigerant piping ➋
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.
- Icemaker must be installed facing forward as shown for service accessibility ➌.
Install the ice transport tube.

5.1 Dispenser ice transport tube installation

- Push one end of ice transport tube(s) through hole(s) provided in side of dispenser
- Route tube into ice tube bracket inside dispenser and engage bracket tabs in holes located in end of ice transport tube(s) ➊
- Verify bin thermostat capillary tube is mounted correctly ➋
5.2 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 15.
- 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**

**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).
- Install ice machine potable water supply 2
- Replace access panel

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

**7 Internal connections**

**7.1 Ice transport tube installation**
- Slide ice machine into louvered docking assembly ①
- Insert ice transport tube all the way into coupling and tighten nut firmly ②

**7.2 Water and drain lines**
- Insert potable water line into valve ①
- Push drain line over hose barb on back of evaporator mount ②

**7.3 Refrigeration lines**
- Rotate and braze refrigerant lines ①

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

- Position plate into opening and secure with supplied screw
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 ①
• Secure insulated ice transport tube at least every 2 ft (.6m) to prevent dips or traps ②