Horizon Elite™ Ice Machine Models with RIDE™ Technology
Installation Instructions for Cornelius PR150

HCD/HMD/HCF/HMF1010RPS, HCD/HMD/HCF/HMF1410RPS,
HCD/HCF1010NPS, HMD1410NPS
(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™</td>
<td>208-230/60/1 (ice)</td>
<td>400</td>
<td>Air-cooled, self-contained</td>
<td>V Vision™</td>
<td>S RIDE™ (RID remote ice delivery equipment)</td>
</tr>
<tr>
<td>Chewblet (400 Series)</td>
<td>115/60/1 (ice)</td>
<td>1000/1010</td>
<td>Water-cooled, self-contained</td>
<td>H Harmony™</td>
<td></td>
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<tr>
<td>HC Horizon Chewblet (1000, 1400, 1650 Series)</td>
<td>230/60/1 (ice)</td>
<td>1400/1410</td>
<td>Air-cooled, remote condensing unit</td>
<td></td>
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<tr>
<td>HM Horizon Micro Chewblet</td>
<td>115/60/1 (ice)</td>
<td>1650</td>
<td>Air-cooled, no condensing unit for connection to parallel rack system</td>
<td>M Ice Manager diverter valve system</td>
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<td></td>
<td></td>
<td></td>
<td>Remote only, High side is 208-230/60/3.</td>
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<td></td>
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<td>Self-contained and remote. If remote unit, high side is 208-230/60/1.</td>
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<td></td>
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<td>Self-contained only.</td>
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</tbody>
</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. Unpack ice machine

1. Unpack ice machine

2. Open ice machine

3. Remove packaging

4. Inspect contents

5. Check for damage

6. Return damaged parts
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 ➊
- 120/60/1-5 amps

Potable water supply ➋ (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 ➌ (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 ➍
- 5/8" (15,8 mm) diameter suction line (insulated) ➎
- 3/8" (9,5 mm) liquid line ➋
Prepare the dispenser.

3 Dispenser preparation

3.1 • Remove ice entry cover plate ①
• Remove bin thermostat capillary tube from bracket ②

3.2 • Coil capillary tube and secure away from bin fill opening ①

3.3 • Remove retaining clips ① and deflector nuts ②

3.4 • Remove capillary tube bracket ① and deflector (Fig. 4.2) from inside ice storage hopper ②
3.5

- Mount cover plate/transport tube assembly on outside of dispenser using screws, flat washers 1, lock washers 2 and nuts provided 3

3.6

- Insert end of ice transport tube (with retaining holes) through hole in center of cover plate assembly 1
- Secure ice transport tube (holes) to retaining tabs on bracket 2

3.7

- Thoroughly clean outer wall of dispenser in area indicated 1
- Peel backing from adhesive and mount bin thermostat box to dispenser wall 2

Note: Once adhesive on thermostat box contacts dispenser cabinet it can not be re-positioned.

3.8

- Insert bin thermostat capillary tube through hole in gasket as indicated 1
3.9

- Route thermostat capillary tube through mounting bracket grommets as shown 1

3.10

- Insulate entire length of ice transport tube 1 and route to icemaker in accordance with directions in Horizon installation instructions
- Route bin signal wire to icemaker 2
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

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**4.1 Louvered docking assembly**

- Mount louvered docking assembly ①
- “Rough-in” the refrigerant piping ②

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3/8˝ tubing high pressure line

1.88” (47.8 mm)

2” (50.8 mm)

1” Stub Typ (25.4 mm)

3.38” (86 mm)

1010, 1410: 5/8” tubing low pressure line
4.2 Undercounter installation requirements

DOCKING STATION
- Position and screw louvered docking assembly to the bottom of counter inside of access panel/door min. of 3.25" (83 mm) from the front edge of the cross brace ①
- 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 ②
- Ice machine must be installed facing forward as shown for service accessibility ③
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
6.1 Bin Signal Installation

- Mount the electrical box to the side of the Vision dispenser ➊ 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 cord ➋ to the plug on the electrical box.
- Insert 16" (61 cm) of the long bin signal cable ⃣ into the hole in the back of the louvered docking station ⃤ and secure in place with strain relief provided.
- After sliding the ice machine module into the louvered docking station, disconnect one wire from shuttle switch and replace with wire from adapter plug. ❼
- Connect wire removed from shuttle switch to male connector on adapter plug wire. ❼
- Complete normal installation procedure for the ice machine using the installation manual that shipped with the ice machine.
- Connect adapter plug into bin signal plug. ❼
Connect utilities to louvered docking assembly.

7 External connections

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### 7.1 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.

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### 7.2 Refrigerant

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

### Internal connections

#### 8.1 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

#### 8.2 Water line
- Insert potable water line into valve

#### 8.3 Refrigeration lines
- Braze refrigerant lines

#### 8.4 Power cord
- Remove twist tie
- Carefully pass cord thru opening and plug into wall outlet
8.5 Power cord

- Position plate into opening and secure with supplied screw

8.6 TDS switch

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

9.1 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)

9.2 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 ➊
- Secure insulated ice transport tube at least every 2 ft (.6m) to prevent dips or traps ➋