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

HCD/HMD/HCF/HMF1000RBS, HCD/HMD/HCF/HMF1400RBS, HCD/HMD/HCF/HMF1650RBS
HCD/HMD1000NBS, HCD/HMD1400NBS, HCD/HMD1650NBS
(See model number configurator on page 2 for details.)

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### Chewblet® Ice Machine Model Number Configurations

<table>
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<tr>
<th>Icemaker</th>
<th>Voltage</th>
<th>Series</th>
<th>Condenser</th>
<th>Application</th>
<th>Configuration</th>
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</thead>
<tbody>
<tr>
<td>MC Maestro™ Chewblet®</td>
<td>C 208-230/60/1 (icemaking head) Self-contained only.</td>
<td>400 up to 454 lbs (206kg)</td>
<td>A Air-cooled, self-contained</td>
<td>V Vision™</td>
<td>S RIDE™ (RIDE remote ice delivery equipment)</td>
</tr>
<tr>
<td>HC Horizon Chewblet™ (400 Series)</td>
<td>D 115/60/1 (icemaking head) Self-contained and remote. If remote unit, high side is 208-230/60/1.</td>
<td>1000 up to 1036 lbs (471kg)</td>
<td>W Water-cooled, self-contained</td>
<td>H Harmony™</td>
<td>T Top-mount</td>
</tr>
<tr>
<td>HC Horizon Chewblet™ (1000, 1400, 1650 Series)</td>
<td>E 230/50/1 (icemaking head) Self-contained only.</td>
<td>1400 up to 1450 lbs (658kg)</td>
<td>R Air-cooled, remote condensing unit</td>
<td>J Drop-in</td>
<td></td>
</tr>
<tr>
<td>HM Horizon Micro Chewblet</td>
<td>F 115/60/1 (icemaking head) Remote only. High side is 208-230/60/1.</td>
<td>1650 up to 1590 lbs (717kg)</td>
<td>N Air-cooled, no condensing unit for connection to parallel rack system</td>
<td>M Ice Manager diverter valve system</td>
<td></td>
</tr>
</tbody>
</table>

- **C**: Condenser Series Voltage
- **A**: Air-cooled, self-contained
- **V**: Vision™
- **S**: RIDE™
- **B**: Ice storage bin
- **T**: Top-mount
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 carton #1

1. Unpack carton #1
2. Remove the top panel
3. Loosen the nuts
4. Slide the unit out
5. Remove the side panel
6. Remove the base plate
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 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
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

Hole sizes:
- 3/8˝ high pressure line
- 1” (25.4mm) Stub Typ
- 3” (76mm)
- 1-3/4” (44.5mm)
- 3/8˝ low pressure line
- 7/8” low pressure line

Model Numbers:
- 1000, 1400: 5/8” low pressure line
- 1650: 7/8” low pressure line
Install the ice transport tube.

5.1 Ice transport tube installation

Ice transport tube tips
- Insulate entire length of ice transport tube ➊
- Secure ice transport tube ➋ 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) ➌
- Ice transport tube must drain towards ice machine

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

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

External connections 6

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.

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
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 ➊
- Insert and tighten two screws through cover and into louvered docking assembly ➋

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