Horizon™ Ice Machine Models with RIDE™ Technology
Installation Instructions for Ice Manager™ Diverter Valve

HCD/HCF1000RMS, HCD/HCF1400RMS, HCD/HCF1650RMS,
HCD1000NMS, HCD1400NMS, HCD1650NMS
(See model number configurator on page 2 for details.)

Order parts online
www.follettice.com

(1) Horizon™ Chewbiet® Ice Machine
(purchased separately)

(2) ice storage units
(purchased separately)
Any combination of bins or dispensers
<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>C 208-230/60/1 (icemaking head)</td>
<td>A Air-cooled, self-contained</td>
<td></td>
<td></td>
<td>V Vision™</td>
<td></td>
</tr>
<tr>
<td>D 115/60/1 (icemaking head)</td>
<td>W Water-cooled, self-contained</td>
<td></td>
<td></td>
<td>H Harmony™</td>
<td></td>
</tr>
<tr>
<td>E 230/50/1 (icemaking head)</td>
<td>R Air-cooled, remote condensing unit</td>
<td></td>
<td></td>
<td>B Ice storage bin</td>
<td></td>
</tr>
<tr>
<td>F 115/60/1 (icemaking head)</td>
<td>N Air-cooled, no condensing unit for connection to parallel rack system</td>
<td></td>
<td></td>
<td>J Drop-in</td>
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<tr>
<td></td>
<td></td>
<td>400 up to 454 lbs (206kg)</td>
<td></td>
<td>M Ice Manager diverter valve system</td>
<td>S RIDE™ (RIDE remote ice delivery equipment)</td>
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<tr>
<td></td>
<td></td>
<td>1000 up to 1036 lbs (471kg)</td>
<td></td>
<td></td>
<td>T Top-mount</td>
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<tr>
<td></td>
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<td>1400 up to 1450 lbs (658kg)</td>
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<td></td>
<td>1650 up to 1580 lbs (717kg)</td>
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</tbody>
</table>

**Remote Condensing**

**ICE MANAGER**
Horizon ice machine for use with Ice Manager diverter valve system
The Ice Manager diverter valve system delivers ice to two ice storage units enabling a single Follett
Horizon ice machine to meet demand for ice at two locations. The system’s sensors monitor ice levels
in each storage unit and automatically switch ice delivery to the appropriate location.

After thorough review of Ice Manager site survey, read and complete
Horizon ice machine installation sections 1 through 6.

Unpack

Site preparation

Louvered docking assembly

Ice transport tube

External connection

Internal connection

Front cover

For connection to Ice Manager diverter valve system
refer to Ice Manager installation guide.
Carefully unpack and inspect the contents of your Follett ice machine.

**Unpack** 1

### 1.1 Unpack ice machine

1. Unpack ice machine
2. **Unpack** 1/2”
3. **Unpack** 1/2”
4. **Unpack** 1/2”
5. **Unpack**
6. **Unpack**
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 is not recommended and will void warranty.

2.1 Installation site requirements

Electrical ❼
• 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 ⦎
Install the louvered docking assembly.

3.1 Louvered docking assembly

- Mount louvered docking assembly
- Mount louvered docking assembly to wall bracket accessory
- Mount louvered docking assembly to machine stand accessory

Wall bracket accessory

Machine stand accessory

• Mount louvered docking assembly ➊
• “Rough-in” the refrigerant piping ➋
Undercounter installation requirements

- 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 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

DOCKING STATION
Install the ice transport tube.

4.1 Ice transport tube installation.

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

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

Ice transport tube to diverter valve
- See Ice Manager diverter valve instructions
Connect utilities to louvered docking assembly.

**CAUTION**
- Plug must be accessible after final installation.

### 5.1 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

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

**Internal connections**

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6.1 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

6.2 Water and drain lines

- Insert potable water line into valve 1
- Push drain line over hose barb on back of evaporator mount 2

6.3 Refrigeration lines

- Rotate and braze refrigerant lines 1

6.4 Power cord

- Remove twist tie
- Carefully pass plug thru opening and plug into wall outlet

remote condensing  
ICE MANAGER
• Position plate into opening and secure with supplied screw
Install front cover to ice machine.

7.1 Install condensing unit

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

7.2 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 (0.6m) to prevent dips or traps ②