Horizon™ Ice Machine Installation Instructions
for Harmony™ Top-mount Applications

HCD/HMD/HCF/HMF1000RHT, HCD/HMD/HCF/HMF1400RHT, HCD/HMD/HCF/HMF1650RHT,
HCD/HMD1000NHT, HCD/HMD1400NHT, HCD/HMD1650NHT
(See model number configurator on page 2 for details.)

Order parts online
www.follettice.com

Horizon top-mount ice machines
fit most countertop dispensers manufactured by

Cornelius • Lancer • SerVend

Horizon™ Ice Machine Installation Instructions
for Harmony™ Top-mount Applications

HCD/HMD/HCF/HMF1000RHT, HCD/HMD/HCF/HMF1400RHT, HCD/HMD/HCF/HMF1650RHT,
HCD/HMD1000NHT, HCD/HMD1400NHT, HCD/HMD1650NHT
(See model number configurator on page 2 for details.)

Order parts online
www.follettice.com

Horizon top-mount ice machines
fit most countertop dispensers manufactured by

Cornelius • Lancer • SerVend
<table>
<thead>
<tr>
<th>Icemaker</th>
<th>Voltage</th>
<th>Condenser</th>
<th>Application</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC Maestro™</td>
<td>C 208-230/60/1 (icemaking head) Self-contained only.</td>
<td>400 up to 454 lbs (206kg) up to 1036 lbs (471kg)</td>
<td>Air-cooled, self-contained</td>
<td>S RIDE® (RIDE remote ice delivery equipment)</td>
</tr>
<tr>
<td></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 136 lbs (471kg) up to 1450 lbs (658kg)</td>
<td>Water-cooled, self-contained</td>
<td></td>
</tr>
<tr>
<td></td>
<td>E 230/50/1 (icemaking head) Self-contained only.</td>
<td>1400 up to 1580 lbs (717kg)</td>
<td>Air-cooled, remote condensing unit</td>
<td></td>
</tr>
<tr>
<td></td>
<td>F 115/60/1 (icemaking head) Remote only. High side is 208-230/60/3.</td>
<td>1650 up to 1580 lbs (717kg)</td>
<td>Air-cooled, no condensing unit for connection to parallel rack system</td>
<td></td>
</tr>
<tr>
<td>HC Horizon Chewblet (1000, 1400, 1650 Series)</td>
<td></td>
<td></td>
<td>Vision™ Harmony™ Ice storage bin</td>
<td></td>
</tr>
<tr>
<td>HM Horizon Micro Chewblet</td>
<td></td>
<td></td>
<td>Ice Manager diverter valve system</td>
<td></td>
</tr>
</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

1.1 Unpack ice machine

1. Unpack ice machine
2. Remove the packaging materials
3. Check all parts for damage
4. Install the ice machine
5. Connect the water supply
6. Power on the ice machine

Unpack ice machine

HARMONY • TOP-MOUNT
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.

Note: The instructions below only apply to 22" & 30" wide dispensers. 44" wide dispenser instructions may be found with the top kit.

3.1 Top preparation – ALL

- Remove protective tape from gaskets ➊

3.2 Top preparation – ALL

- Apply gaskets ➊
- Install shuttle actuator ➋ through bottom of dispenser top and secure with locking nut ➌

3.3 Top preparation – ALL

- Screw 4" (102mm) extension ➊ into bottom of shuttle actuator ➋

3.4 Top preparation – CORNELIUS

- Remove protective tape ➊
- Apply gasket ➋

Cornelius models only
### 3.5 Top preparation – LANCER

Lancer models only
- Remove protective tape ①
- Apply gaskets ②

### 3.6 Agitation adjust. – CORNELIUS

Cornelius models ED, DB, DF, IDC and FLAVOR FUSION
Adjust the agitation timer located on the Cornelius PC board to 1 second on, 1 hour off. **Note:** See Cornelius manual for more information.

### 3.7 Agitation adjustments – LANCER 4500 SERIES

**Lancer 4500 series only**
Adjust the agitation time to 1 second, and the agitation frequency to 150 minutes. **Note:** See Lancer manual for more information.
3.8 Agitation adjustments – LANCER FS SERIES

Lancer FS series only
- Hold down “cancel” and “left button” to get to hidden menu 1
- Type in code 6655
- Type in 150 minutes of off time and 1000 milliseconds (1 second of time) as the preferred setting

Note: See Lancer manual for more information.

3.9 Agitation adjustments – SERVEND

SerVend models only
No agitation adjustment required.
3.10 Dispenser diverter plate overview (Installation on next page)

**Single Agitator**

P/N 307277 — Diverter plate (single agitator Cornelius dispensers and left-hand dispense chute on dual-agitator Cornelius dispensers)

**Dual Agitator**

P/N 307277 — Diverter plate (single agitator Cornelius dispensers and left-hand dispense chute on dual-agitator Cornelius dispensers)

P/N 00996207 — Diverter plate (right-hand dispense chute on dual-agitator dispensers)
**Cornelius ED, DF and DB series only**

These dispensers require the installation of an ice diverter at the dispenser opening.

- Disassemble chute assembly
- Discard factory restrictor plate
- Replace with alternate diverter plate (supplied)

**Cornelius IDC and Flavor Fusion**

These dispensers require modifications for compatibility with Chewblet ice. Agitation times must be set to 1 second ON, 1 hour OFF and the ice restrictor plate must be adjusted to the fully open position. See your beverage supplier for these modifications.
4.1 Louvered docking assembly

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

- Braze supplied expandable refrigerant lines in place 1
Install the ice transport tube.

5.1 Ice transport tube

- Install supplied ice transport tube installation
- Heat end of transport tube in cup of 160 F (71 C) hot water to soften and spread with pliers 1 before making connection to ease assembly
- Connect ice transport tube to coupling on louvered docking station 2
- Connect ice transport tube to shuttle actuator 3
Connect utilities to louvered docking assembly.

6 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.
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

- Slide insulation to expose lines ①
- Braze refrigerant lines ②
- Reinstall insulation to fully cover lines ③

7.4 Power cord

- Remove twist tie
- Carefully pass plug thru the opening and plug into wall outlet
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
- Insert and tighten two screws through cover and into louvered docking assembly

NOTICE

Ice machine MUST be sanitized prior to operation!
Consult Operation and Service Manual provided with ice machine for sanitizing instructions.