Installing Maestro Plus™ P425, EP425A/W or CP425A/W Ice Machine Module into Symphony™ FB, CT, and CI Dispensers

Installation Instructions

Technical Support
If you experience any problems during the installation, please call Follett Technical Service toll-free at (877) 612-5086 for assistance.

Description
Follow these instructions to install the Maestro Plus ice machine module into your Symphony FB, CT, and CI dispenser.

CAUTION!
Only qualified technicians should attempt to service or maintain this equipment.

Parts
Common

![Diagram of parts]

- POWER CORD (1) 01075589
- BIN SIGNAL RELAY ASSEMBLY (1) 01069772
- (1) 1/4" X 1/4" PUSH IN VALVE 01035526
- (1) CLAMP, ICE TRANSPORT TUBE 202011
- (2) SANI-SPONGE 00131524
- (2.5') 1/4" TUBING 205835
FB Dispensers

- (1) GUIDE PLATE RIGHT
  01015759

- (1) GUIDE PLATE LEFT 25/50
  01015767

- (1) GUIDE PLATE LEFT 110
  01042654

CT Dispensers

- (1) TOP MOUNT SPACER
  01048578

- (2) DRAIN ELBOW BARB FITTING
  205624

- (4) SCREW
  208568
Cl Dispensers

(1) DRAIN TUBE, CI 01062306

(1) FUNNEL, HOPPER DRAIN 00906255

(1) ELECTRICAL BOX BRACKET 01012186

Water-cooled Parts

(2) 3/8" FLARE X 1/4" FNPT BRASS FITTING 00181388

(2) 1/4" NPT X 3/8" COMPRESSION TUBE BRASS FITTING 01027291

(2) 3/8" FNPT X 3/8" COMPRESSION TUBE BRASS FITTING 01064567

(2) 3/8" FLARE X 3/8" MNPT BRASS FITTING 00129486

(2) HOLE BUSHING 00105486

Tubes

25/50 FB/CT Drain tube 01055185

110 FB/CT Drain tube 01055540

25/50/110CT Ice transport tube 01055540
FB Units - 25/50/110FB425A

Remove Ice Machine Module
1. Disconnect power from unit and turn off water supply.
2. Remove existing module.
3. On new ice machine, remove the top bearing insulation (Fig. 1.1) and compression nozzle insulation (Fig. 1.2).
   Note: Retain ice transport tube and hose clamp.
4. On new ice machine, remove the ice machine electrical box cover and set DIP switches (Fig. 2).
5. Reinstall ice machine electrical box cover.

Fig. 1

Fig. 2

Replacement P425A/W installed in Symphony dispenser

Sleep cycle dispense duration
6. Remove right and left rear module positioning bracket (Fig. 3).  
**Note:** Do not discard the 4 screws, they will be reused.

7. Using the hardware specific for your application, install supplied Left (Fig. 4.1) and Right (Fig. 4.2) locating brackets using screws from previous step.  
**Note:** Left side only uses 1 screw.
8. **25/50 Units Only:** Install gray plastic spacer (Fig. 5.1) against rear of cabinet.

9. Slide supplied module into position (Fig. 6).
10. Install supplied drain tube onto drain solenoid (Fig. 7.1), evaporator drain pan (Fig. 7.2), and rear drain fitting (Fig. 7.3). Tube may need to be cut to fit onto existing rear drain fitting.
   - 25/50 Drain tube: 01055185
   - 110 Drain tube: 01055540

11. Cut compression fitting from end of existing water tube. Connect existing water supply tube to attached solenoid water tube with supplied ¼" shut off valve (Fig. 8).

12. Install supplied internal power cord adapter (Twist-Lock) (Fig. 9).
13. Plug other end (Mate N Lock) into electrical box (Fig. 10).

14. Install supplied internal bin signal cord adapter (Twist-Lock) (Fig. 11).

15. Plug other end (Mate N Lock) into electrical box (Fig. 12).
16. Heat end of existing ice transport tube in cup of 160°F (71°C) hot water to soften (Fig. 13.1) and spread with pliers (Fig. 13.2).

17. Attach end of ice transport tube to compression nozzle (Fig. 14).
18. Secure with clamp (Fig. 15.1).

   **Note:** Clamp **must be oriented as shown** in order for the insulation to be placed properly.

19. Install compression nozzle insulation (Fig. 15.2).

20. Install top bearing insulation (Fig. 15.3).
21. For water-cooled units, make water connections (Fig. 16).

22. Restore power and water to machine.
23. Sanitize machine prior to use.
24. Reinstall side panels, start up machine and check for proper operation.
CT Units - 25/50/110CT425A

Remove Ice Machine Module

1. Disconnect power from unit, turn off water supply, and remove side panels.
2. Remove existing module.
3. On new ice machine, remove the top bearing insulation (Fig. 1.1) and compression nozzle insulation (Fig. 1.2).
   **Note:** Retain ice transport tube and hose clamp.

4. On new ice machine, remove the ice machine electrical box cover and set DIP switches (Fig. 2).
5. Reinstall ice machine electrical box cover.

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Fig. 1

Fig. 2
6. Remove backing from two PVC strips and install as shown (Fig. 3).

7. It may be necessary to slightly bend up the bracket located at the rear of the cabinet to ease installation (Fig. 4).
8. Install spacer bracket (01048578) on righthand side of machine with supplied screws (Fig. 5).

9. Slide supplied module into position (Fig. 6).
10. Position module so that the ice transport hole in the module base is aligned with the hole in the dispenser (Fig. 7).

11. Route supplied ice transport hose (01003532) down through hose clamp until it extends at least 1” into dispenser bin (Fig. 8). Tighten hose clamp to secure ice transport tube.
12. Heat other end of supplied ice transport tube in cup of 160°F (71°C) hot water to soften (Fig. 9.1) and spread with pliers (Fig. 9.2).

13. Attach end of ice transport tube to compression nozzle (Fig. 10).
14. Secure with clamp (Fig. 11.1).
   Note: Clamp must be oriented as shown in order for the insulation to be placed properly.

15. Install compression nozzle insulation (Fig. 11.2).

16. Install top bearing insulation (Fig. 11.3).

17. Install supplied drain tube onto drain solenoid (Fig. 12.1) and evaporator drain pan (Fig. 12.2).
   Note: Use the long tube (01055540) for 110 models and the shorter tube (01055185) for 25/50 models.
18. Trim the existing CLEAR drain hose so that it protrudes 1" above the base of the module (Fig. 13.1).

19. Insert one supplied 3/4" barbed elbow (Fig. 13.2) into clear drain hose

20. Trim enough from the end of the GRAY drain hose (Fig. 13.3) so that it can be connected between the 3/4" barbed elbows.

21. Replace bin access cover (Fig. 14).

22. Cut compression fitting from end of existing water tube. Connect existing water supply tube to attached solenoid water tube with supplied ¼" shut off valve (Fig. 15).
23. Install supplied internal power cord adapter (Twist-Lock) (Fig. 16).

24. Plug other end (Mate N Lock) into electrical box (Fig. 17).

25. Install supplied internal bin signal cord adapter (Twist-Lock) (Fig. 18).
26. Plug other end (Mate N Lock) into electrical box (Fig. 19).

   **Note:** Contact closure only, do not supply power.

27. Reinstall existing ice machine hold-down bracket (Fig. 20).

   **Note:** Ensure that power cords are not pinched; route as shown in Fig. 20.
28. For water-cooled units, make water connections (Fig. 21).

29. Restore power and water to machine.

30. Sanitize machine prior to use.

31. Reinstall side panels, start up machine and check for proper operation.
Cl Units - 25/50Cl425A

Remove Ice Machine Module

1. Disconnect power from unit, turn off water supply, remove screws from splash panel, shut off water to dispense solenoid, remove splash panel.
2. Remove existing module.
3. On new ice machine, remove the top bearing insulation (Fig. 1.1) and compression nozzle insulation (Fig. 1.2).

**Note:** Retain ice transport tube and hose clamp.

4. On new ice machine, remove the ice machine electrical box cover and set DIP switches (Fig. 2).

**Note:** To avoid a possible overflow condition, DIP switch 7 (Flush) must be set to ‘disabled.’

5. Reinstall ice machine electrical box cover.

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**Replacement P425A/W installed in Symphony dispenser**

<table>
<thead>
<tr>
<th>OFF POSITION</th>
<th>ON POSITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] Sleep cycle disabled</td>
<td>[ ] Sleep cycle enabled</td>
</tr>
<tr>
<td>[ ] Not used</td>
<td>[ ] Not used</td>
</tr>
<tr>
<td>[ ] Sleep cycle dispense duration 20 min. time delay</td>
<td>[ ] Sleep cycle dispense duration 60 min. time delay</td>
</tr>
<tr>
<td>[ ] Flush disabled</td>
<td>[ ] Flush enabled</td>
</tr>
<tr>
<td>[ ] Maint. timer OFF</td>
<td>[ ] Maint. timer ON</td>
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Sleep cycle dispense duration

<table>
<thead>
<tr>
<th>OFF</th>
<th>ON</th>
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<tbody>
<tr>
<td>35 s</td>
<td>5 s</td>
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<tr>
<td>15 s</td>
<td>60 s</td>
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</tbody>
</table>
Remove Ice Machine Module

6. Remove two screws securing electrical box to condenser (Fig. 3).
7. Cut wire tie from electrical cable bundle.

8. Install supplied funnel (Fig. 4).
9. Slide supplied module only partially into dispenser cabinet (Fig. 5).

10. Heat end of existing ice transport tube in cup of 160°F (71°C) hot water to soften (Fig. 6.1) and spread with pliers (Fig. 6.2).

11. Attach ice transport tube to evaporator compression nozzle (Fig. 7).
12. Secure with clamp (Fig. 8.1).
   Note: Clamp must be oriented as shown in order for the insulation to be placed properly.
13. Install compression nozzle insulation (Fig. 8.2).
14. Install top bearing insulation (Fig. 8.3).
15. Attach module water tube to existing “T” fitting (Fig. 9).
16. Hang electrical box on dispenser front and attach with supplied bracket (Fig. 10).

17. Install supplied internal power cord adapter (Twist-Lock) (Fig. 11).
18. Plug other end (Mate N Lock) into electrical box (Fig. 12).

19. Plug two-pin bin thermostat cable into electrical box (Fig. 13).

20. Connect other end to dispenser (Twist Lock connection) (Fig. 14).

22. Organize power and bin signal cables and wire tie plugs together (Fig. 15).

23. Install supplied drain tube onto drain solenoid (Fig. 16.1) and evaporator drain pan (Fig. 16.2). Ensure that drain stub is inserted into hole in ice machine base above drain cup (Fig. 16.3).
24. For water-cooled units, make water connections (Fig. 17).

25. For lever-operated dispensers, remove and rotate ice switch on back of splash panel 180° (Fig. 18).

26. Move splash panel into position, connect water line to water dispense solenoid, turn on water to solenoid and attach splash panel.

27. Start up machine and check for proper operation. Restore power and water to machine.

28. Sanitize machine prior to use. See appropriate Operation and Service manual shipped with the unit.