



Pictures and additional
information:
Corresponding Chapter of
Equipment Manual

When
Semi-Annually

Tools
Clean, sanitized towels
Flat blade screwdriver
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AFD-280/U manual

Arch Fry Dispenser

Automated Equipment LLC.
Model AFD-280/U

Precaution

Hazard Communication Standard (HCS) - The procedure(s) in this manual include the use of chemical products. These chemical products will be highlighted with italic-faced letters followed by the abbreviation (HCS). See Hazard Communication Standard (HCS) manual for the appropriate Material Safety Data Sheet(s)

Planned Maintenance

1. Turn the Dispenser Power Switch to the OFF Position.
2. Unplug the dispenser Power Cord from the Wall.
3. Remove the hopper from the dispenser, and clean the dispenser (refer to the Daily Closing procedure). Reassemble the dispenser **WITHOUT** the hopper.
4. Inspect the hopper and drum for damage.
5. Remove and inspect the lift saddle for bent or loose roller shoulder screws. Inspect the lift saddle for loose flat head screws. Note: Loctite should be used on all of these screws.
6. Remove and inspect the upper and lower guides for worn or broken guide slides. Inspect for loose guide slide screws.
7. Remove the BACK PANEL of the Dispenser.
8. Locate the Pressure Relief Valve on the top of the Air Reservoir. Release the pressure from the Air Reservoir by pulling UP on the ring. Hold the ring until the hissing stops.
9. Remove the water trap bowl and inspect:
Black metal water trap bowls: unscrew to the left, it may be very tight, **DO NOT USE PLIERS AS IT WILL DAMAGE THE WATER TRAP BOWL.**

Clear plastic water trap bowls: Remove the water trap bowl shield from the Filter Regulator. Press in the Locking Tab and rotate the Shield to the LEFT to release the Shield. Lower the Shield to expose the water trap bowl. Unscrew the water trap bowl to the left, it may be very tight, **DO NOT USE PLIERS AS IT WILL DAMAGE THE WATER TRAP BOWL.**

Inspect the contents of the water trap bowl. If the bowl is more than half full of water or if there is an excessive amount of debris on the sides, clean the bowl with warm soapy water. If the bowl is cracked, replacement may be required. (Schwan's Food Service Automated Equipment, LLC. part number 202245)

NOTE: A moderate amount of debris stuck to the walls of the bowl is normal. The bowl may appear cloudy because of this. It is only a concern if there appears to be enough debris to interfere with the operation of the float.

10. Reinstall the water trap bowl hand tight and the shield If applicable.
11. Remove the Compressor Intake Filter by unscrewing it.

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12. Examine the filter for contamination or being plugged. Replace a plugged filter. (Schwan's Food Service Automated Equipment, LLC. part number 202199)

13. Screw the intake filter back into place.

14. Plug the dispenser into the wall outlet.

WARNING: Do NOT attempt to adjust or touch any of the wiring in the cabinet while the dispenser is plugged in.

15. Turn the Power switch to the ON position.

16. Select Function 3 on the controller and press enter, to disable the weighing cycle.

17. While the compressor is charging, listen carefully for air leaks. The compressor should reach full charge and turn off in under three minutes.

18. Check and adjust the pressure regulator to 30psi.

19. Select Function 12 (Actuate Lift) and press the enter button on the controller. A number will be displayed. This is the time of the last lift actuation in tenths of a second. Each time the enter button is pressed, the lift will cycle and display the associated lift speed. The reading should be between 22 and 26 for both the up and down speeds. If not within this range, the lift speeds may have to be adjusted (refer to procedure in your manual).

20. Select Function 14 (Actuate Stopgate) and press enter on the controller. Each time the enter button is pressed, the Stopgate will open or close. Observe both speeds to be approximately 1 second. Significant deviation from the 1 second speed may require adjustment of the Stopgate speeds (refer to procedure in your manual).

21. Select Function 13 (Actuate Doors), press enter and observe the opening and closing speeds of the Accumulator Doors. The doors should open in approximately ½ second and close in 1 second. Significant deviation from these speeds may require adjustment of the Accumulator Door speeds (refer to procedure in your manual).

22. A 1 ½ LB. (700 gm) basket load should fill a fry basket about half full. From previous observations, if this load is significantly off, calibrate the Load Cell (refer to procedure in your manual).

23. Push down on the Lift Saddle, to force the dispenser into an error condition.

24. Remove any baskets that may be on the dispenser.

25. Verify that the indicator lights for the basket sensors are OFF (Lights L2 and L3 on controller board.)

26. Place your hand directly in front of the Lift Sensor. Verify that indicator light L2 turns ON.

27. Move your hand away from the sensor until the light turns OFF, then move your hand back toward the sensor. The light should turn back on when your hand is 4-6" away from the sensor. If not in this range, sensor sensitivity may require adjustment (GAIN control screw on the rear of the sensor).

28. Repeat steps 26 and 27 for the Guide Sensor. The guide sensor lights indicator light L3.

29. Select Function 18 and press enter to clear the error log.

30. Turn the power switch OFF.

31. Replace the BACK PANEL.

32. Finish reassembling the dispenser.