

# Flatbottom Systems Assembly Instructions (819-5949)

1. Prior to uncrating fryers: Open the doors of the filtration fryer cabinet. Remove the shipping brace (Fig. 1, arrow) from the filter pan and discard, unlatch the filter pan locks (Fig. 1, circles), disconnect the filter supply line and remove filter pan from the cabinet. Uncrate fryers and remove from pallets by lifting up and over the pallet supports. Avoid damage to the casters and caster support bases when lifting and placing fryers.

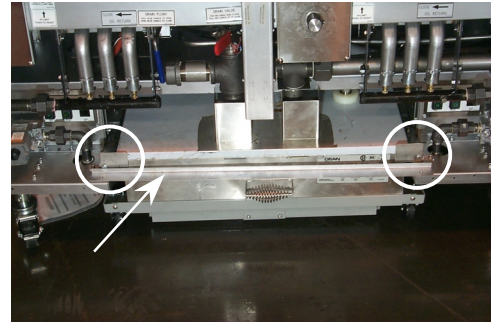


Figure 1. Shipping brace and retainer latches securing filter pan.

2. Position the two fryer cabinets together as follows:

Non-filtration system cabinet: If the 1824 fryer is on the right side of the 2424 fryer, install on the right side of the filtration-system cabinet. If the 1824 fryer is on the left side of the 2424 fryer, install on the left side of the filtration-system cabinet. *The 1824 fryer is always on the outside end.*

3. Remove the upper and lower back panels (Fig. 2, arrows) of the cabinets to be joined. Set screws and back panels aside for reassembly.
4. Position the cabinets within 6 inches of each other, in proximity of the area to be installed. Do not push the cabinets together at this time. All connection hardware (bolts, nuts, etc.) is included in the shipping bag.
5. Connect the red and yellow wires exiting the cabinets to be joined (Fig. 3). The non-filtration cabinet oil-return switches will not work if these wires are not connected.

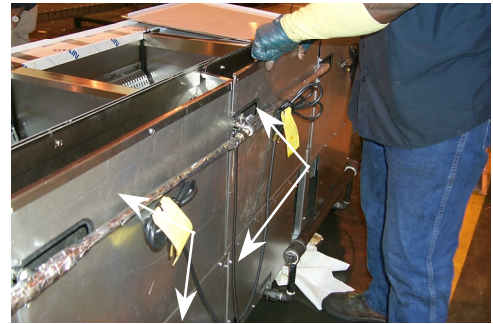


Figure 2. Remove cabinet backs to access connection points.

6. Remove slip-nut on drain-tee in filter cabinet; lubricate O-rings with vegetable oil and install on drainpipe (Fig. 4). **Use care not to damage the slip-nut O-rings when installing slip-nut on drainpipe.** After cabinets are connected (see Step #7), extend drainpipe from non-filter cabinet to drain-tee in filter cabinet. Position the drainpipe evenly between the two drain-tees using the "score" marks on the tube ends to align the drainpipe between the fittings. Connect, but do not tighten the slip-nuts.

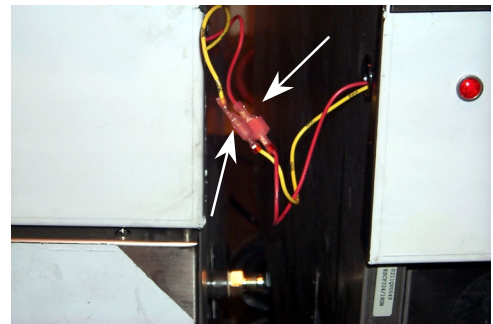


Figure 3. Yellow and red wires connect oil return switches.

Align the drainpipe evenly between the two drain-tees using the "score" marks on the tube ends to prevent leaks and/or blocked drain valves.

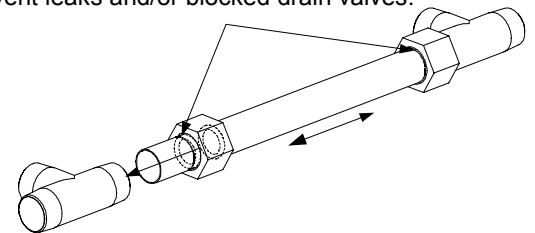


Figure 4. Slip-nut/drainpipe detail.

**Note: The "score" marks will align to the outer edge of the slip nuts when the nuts are tightened.**

7. Slowly push the two systems together. Adjust front casters to align the cabinets vertically. Ensure the drainpipe and slip-nut are aligned with the drain-tee on the left cabinet (Fig. 5, arrows). Align the drain-flush line flanges as the drainpipe is aligned and connected (Fig. 5, arrows). Ensure the oil-return line flange and fittings on the fryer back are aligned. Connect the fittings, but do not tighten the connections. Feed the yellow and red wire connections evenly through each cabinet wire hole as the cabinets are pushed together. Ensure the wire connections go inside the wireway, and are not pinched between the cabinets.

8. With the cabinets together, and the drainpipe, drain-flush and oil-return lines (Fig. 6, circle) aligned and connected, align the cabinet connection holes, front and back (Fig. 6, arrows). Insert bolts and install nuts loosely. Do not tighten bolts at this time.

9. Ensure the two cabinets are aligned. Tighten the cabinet connection bolts and nuts at the front and back. **At the fryer front:** Recheck drainpipe alignment using the "score" marks as reference, then tighten the drain manifold slip-nut (**the "score" marks should align with the outer edge of the slip nuts after the nuts are tightened**); tighten the drain-flush line flare-nut (do not over-tighten). **At the fryer back:** Tighten the oil-return line flare-nut (do not over-tighten).

10. Reinstall back panels removed at the beginning of system assembly. Ensure panels are aligned, then install and tighten screws. Install joiner strip where fryer cabinets are connected.

11. Connect the oil-return heater-tape harness (6-pin connector) at the bottom back of the fryer (Fig. 7, arrow). Failure to do so will result in clogged return lines after the first filtering session.

12. Reinstall filter system after fryer start-up has been performed.

13. If the unit is supplied with an Over-The-Fryer Crumb Dump, refer to the installation and operation manual for proper installation.

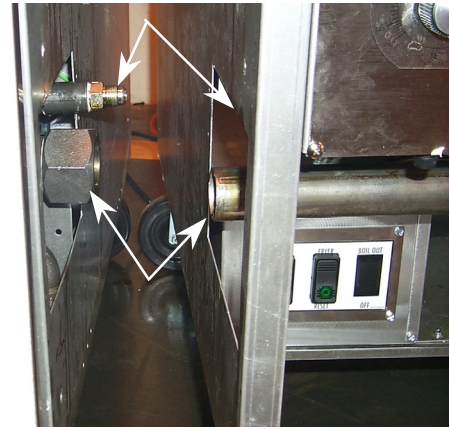


Figure 5. Remove slip-nut fitting on left cabinet drain-tee and install on drainpipe prior to connecting cabinets (Fig. 4).



Figure 6. Rear cabinet connection holes. Note oil return line fittings.

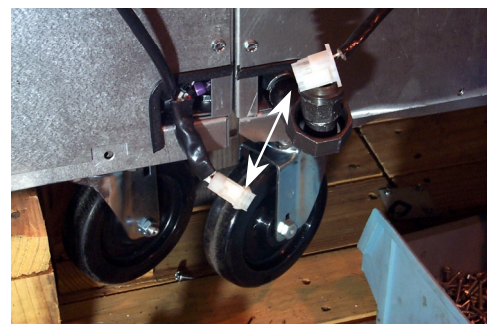


Figure 7. Connect oil-return line heater-tape connectors.