



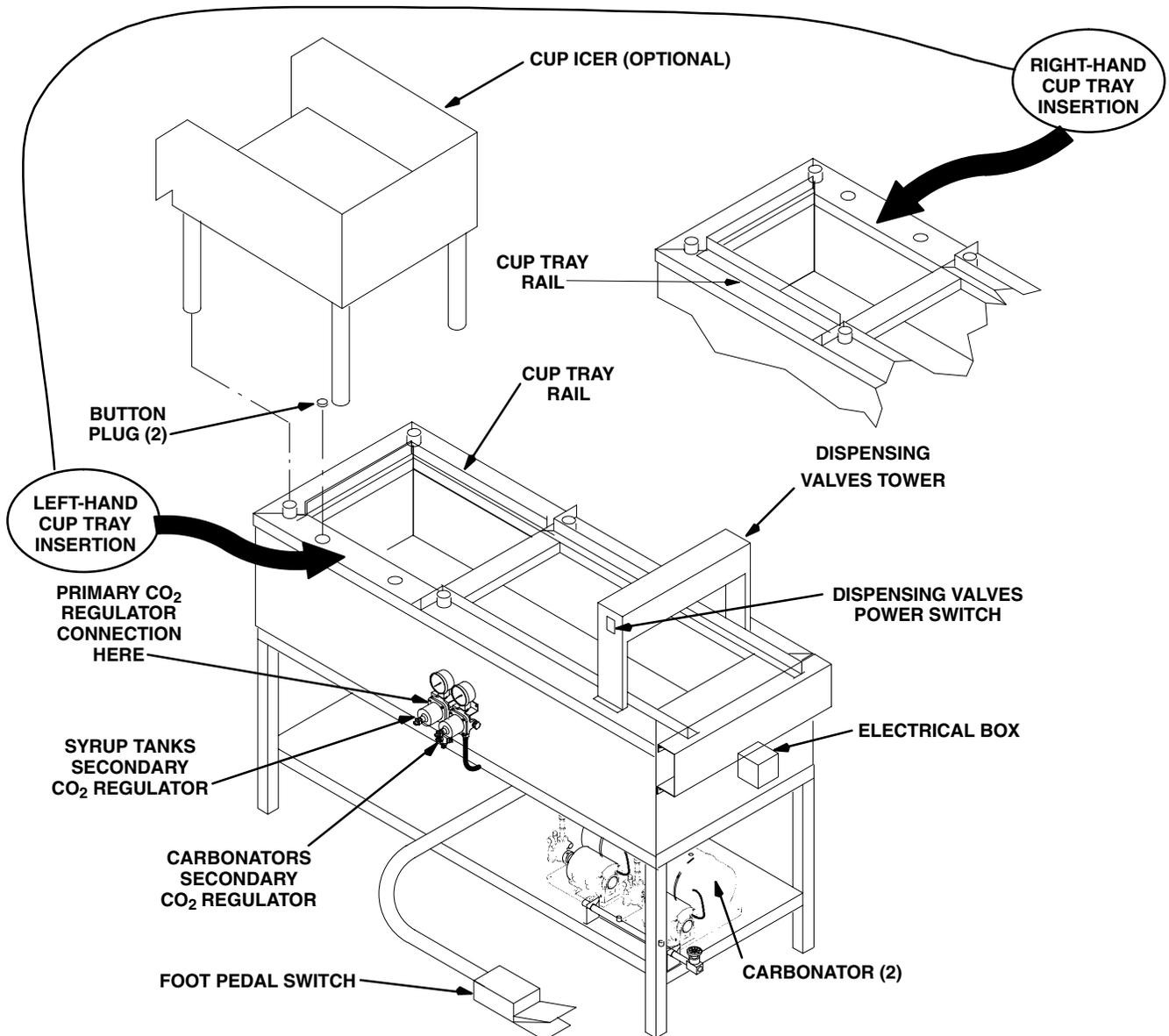
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INSTALLATION INSTRUCTIONS

2460 POST-MIX SPEED FILLER



The Post-mix Speed Filler is designed to speed fill four cups with ice-cooled product at one time. The Speed Filler is operated by placing four cups at a time under the four dispensing valves, then operating the foot pedal switch to activate the valves. Syrup and carbonated water pass through coils inside an aluminum coldplate covered with ice before reaching the dispensing valves which results in ice-cold carbonated drinks being dispensed. If the optional Cup Icer (see illustration) will be used, twenty cups at one time may be loaded with the desired amount of ice just prior to filling the cups with product. Install the Post-Mix Speed Filler as follows:

Note: The Post-Mix Speed Filler (unless specially ordered) is shipped from the Factory set up for Operator right-hand cup tray insertion (see illustration). During operation, cup trays are placed on the Speed Filler from the right-hand side and the dispensing valves tower power switch is located on the same side. The Speed Filler may be converted so that the Operator may place cup trays on the Speed Filler from the left-hand side as follows:

1. Remove two button plugs from the Post-Mix Speed Filler as shown in the illustration. Retain the button plugs
2. Remove four hex nuts and lock washers securing cup tray rail to top of the Post-Mix Speed Filler, then remove the rail.
3. Turn cup tray rail 90°, then reinstall the rail on the Speed Filler as shown in illustration. Secure cup tray rail to Speed Filler with four hex nuts and lock washers.
4. Reinstall two button plugs in two unused holes on the Speed Filler as shown in illustration.
5. Seal areas where cup tray rail meets top of the Speed Filler with caulking gun and tube of caulking provided with the Speed Filler.
6. Relocate dispensing valves tower power switch to be on the same side the Operator will be placing cup trays onto the Speed Filler.
7. Proceed with installation of the Post-Mix Speed Filler.

INSTALLING THE POST-MIX SPEED FILLER

Note: A caulking gun and a tube of caulking is provided with the Post-Mix Speed Filler to seal any cracks (between mating parts) on the top and sides of the Speed Filler to prevent water and debris from entering the cracks.

1. Unpack the Post-Mix Speed Filler and all loose-shipped parts included with the Unit. Make sure all packing material is removed from around the coldplates.
2. Install the loose-shipped secondary CO₂ regulator on side of the Post-mix Speed Filler and secure with two screws already installed in pre-drilled holes.
3. Connect CO₂ line connected to the carbonators to check valve on bottom of CO₂ regulator with 160-PSI gage. Seal connection with white tapered gasket.
4. Connect two loose-shipped drain hoses to threaded connectors on bottom of the Speed Filler tank. Seal connections with washers provided. Route drain hoses to a permanent floor drain.
5. Connect two loose-shipped 96-inch CO₂ lines to check valves in CO₂ manifold of CO₂ regulator with 100-PSI gage. Seal connections with white tapered gaskets.
6. Route two CO₂ lines to vicinity of where syrup tanks will be located. Install two loose-shipped syrup tanks gas quick disconnects on ends of lines.
7. Route two syrup inlet lines out through hole in end of Speed Filler tank to vicinity of where syrup tanks will be located. Install two loose-shipped syrup tanks liquid quick disconnects on ends of lines.

Note: The water inlet supply line to the Speed Filler must be filtered, be capable of a minimum of 250-gallons per hour, and be 1/2-inch I.D. minimum.

8. Connect plain water inlet line (meeting requirements of preceding Note) to the water manifold water shutoff valve inlet.



WARNING: CO₂ displaces oxygen. Strict attention *must* be observed in the prevention of CO₂ (carbon dioxide) gas leaks in the entire CO₂ and soft drink system. If a CO₂ gas leak is suspected, particularly in a small area, *immediately* ventilate the contaminated area before attempting to repair the leak. Personnel exposed to high concentration of CO₂ gas will experience tremors which are followed rapidly by loss of consciousness and suffocation.



WARNING: To avoid personal injury and/or property damage, always secure CO₂ cylinder in upright position with safety chain to prevent it from falling over. Should valve become accidentally damaged or broken off, CO₂ cylinder can cause serious personal injury.

9. Position CO₂ cylinder and secure with safety chain.
10. Make sure gasket is in place inside loose-shipped primary CO₂ regulator coupling nut, then install regulator on CO₂ cylinder.
11. Connect loose-shipped 96-inch CO₂ line to Primary CO₂ Regulator Assembly outlet. Seal connection with white tapered gasket.
12. Connect other end of CO₂ line to the Secondary CO₂ Regulator inlet. Seal connection with white tapered gasket.

Note: The power circuit to the Post-Mix Speed Filler must be fused or circuit may be wired through an equivalent HACR circuit breaker. ***THE POST-MIX SPEED FILLER MUST BE PROPERLY GROUNDED. THE POWER CIRCUIT MUST BE MADE UP OF COPPER CONDUCTORS AND ALL WIRING MUST CONFORM TO NATIONAL AND LOCAL ELECTRICAL CODES.***

13. Referring to previous **NOTE**, connect electrical power circuit to electrical box on bottom of Post-Mix Speed Filler tank. *REFER TO UNIT NAMEPLATE FOR REQUIRED POWER CIRCUIT OPERATING VOLTAGE, HZ, AND MINIMUM CIRCUIT AMPACITY.*

POST-MIX SPEED FILLER OPERATION

1. Make sure the Carbonators power cords are unplugged from the electrical box.



CAUTION: Before opening CO₂ cylinder shutoff valve, turn secondary CO₂ regulators adjusting screws to the left (counterclockwise) until all tension is relieved from adjusting screws springs.

2. Adjust primary CO₂ regulator on CO₂ cylinder to a minimum nominal setting of 120-psi or 24-psi higher than highest setting required by the secondary CO₂ regulators. Loosen CO₂ regulator adjusting screw locknut. Turn adjusting screw to the right (clockwise) until regulator gage registers nominal 120-psi, then tighten adjusting screw locknut.
3. Adjust carbonator secondary CO₂ regulator to a nominal 90-psi. Loosen CO₂ regulator adjusting screw locknut. Turn adjusting screw to the right (clockwise) until regulator gage registers nominal 90-psi, then tighten adjusting screw lock nut. *CO₂ PRESSURE TO CARBONATORS MUST NOT EXCEED 120-PSIG.*
4. Adjust syrup tanks secondary CO₂ regulator to 60-psi.
5. Open pressure relief valves on carbonators water tanks (red arms should be in vertical positions).

Note: Syrup systems should be sanitized before syrup is connected into the systems.

6. Open plain water inlet line shutoff valve and fill carbonators water tanks until water can be seen coming out of pressure relief valves then close valves.
7. Check water and CO₂ systems for leaks and repair if evident.
8. Plug carbonators power cords into electrical box.

9. Make sure dispensing valves power switch on dispensing valves tower is in "ON" position.
10. Dispense from all dispensing valves until all air is purged from carbonated water system.
11. Fill Post-Mix Speed Filler ice bin with ice.
12. Adjust all dispensing valves for the desired carbonated water flow rate. *MAKE SURE ALL DISPENSING VALVES CARBONATED WATER FLOW RATES ARE ADJUSTED EXACTLY THE SAME.*
13. Connect full syrup tanks into the syrup systems.
14. Dispense from all dispensing valves until all air is purged from syrup systems.
15. Adjust Water-to-Syrup "Ratio" (Brix) of dispensed product on all dispensing valves.
16. Check syrup systems for leaks and repair if evident.