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Classified to NSF4

1 BEFORE STARTING

Review this guide and the included Tank Shed Quick Start Guide. Confirm the installation location of the Tank. Some applications will require additional plumbing not included in the installation kit.

When installing with a shed Placement of tank is **CRITICAL**.

- Allow clearance for CO2 Tank.
- CO2 Tank must be at least 36" away from power disconnect.
- The tank should be positioned so the shed door is always accessible.

Shed Dimensions WITH CO2

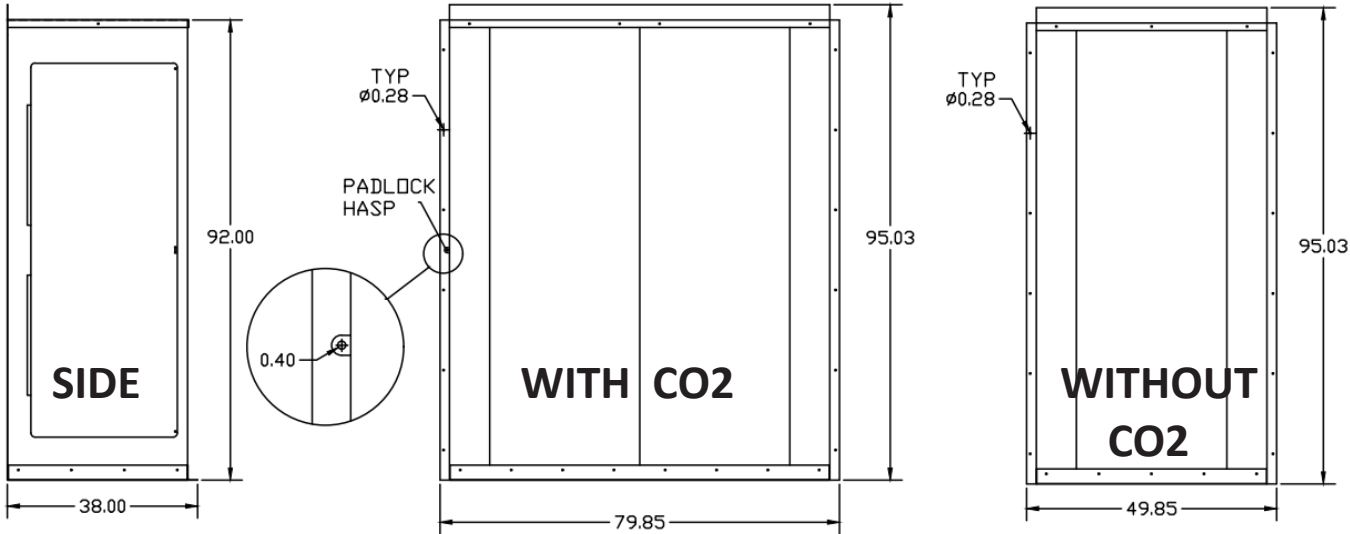
- Height: 95"
- Width: 80"
- Depth: 38"

WITHOUT CO2

- Height: 95"
- Width: 50"
- Depth: 38"

Electrical Requirements

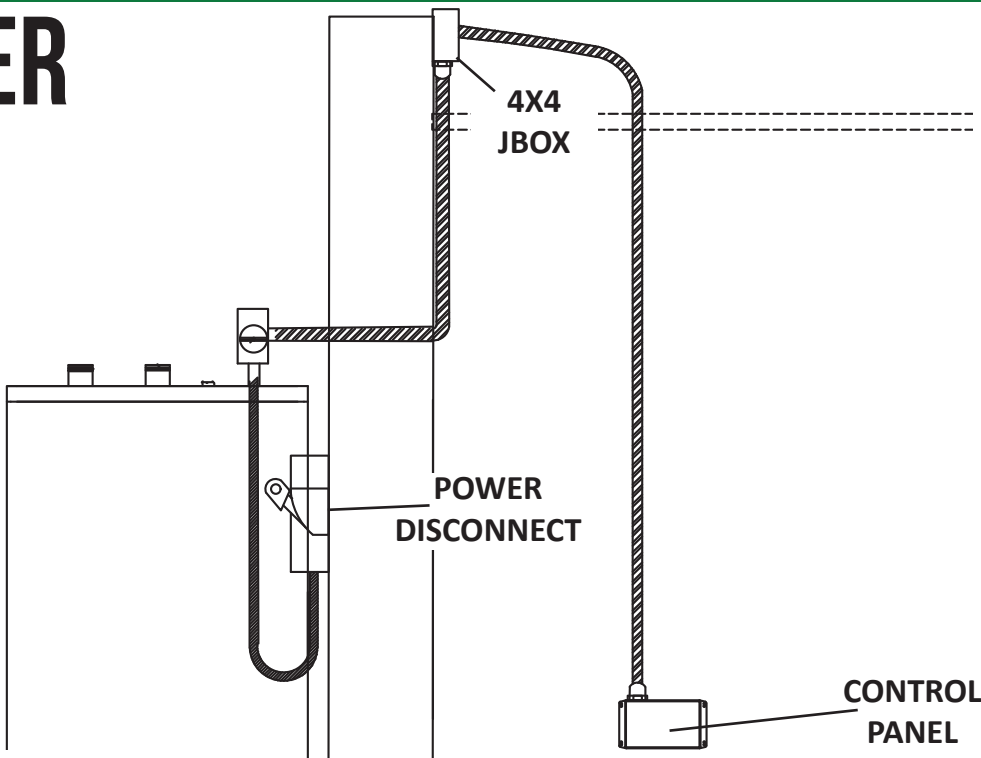
- 120V, 20A Dedicated Circuit
- Included Power Harness
- Customer Provided Power Safety Disconnect



2 CONTROL PANEL & POWER

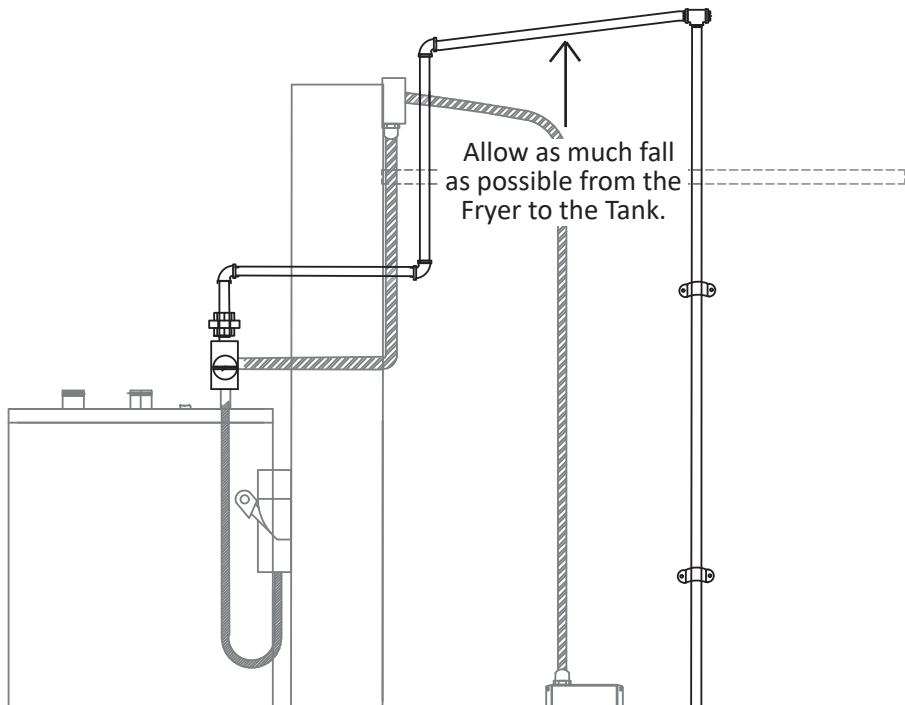
Coming off the top of the tank will be 2 harnesses. One for the control panel, the other for Power.

- The 1/2" conduit with 14GA White, Green, and Black Wires will wire into the customer provided Power Safety Disconnect.
- The 3/4" conduit will terminate into a 4x4 junction box (included). You will connect the Control Panel into this 4x4 box. Always try to mount the 4x4 junction box above the ceiling INDOORS when possible.
- The Control Panel should be wall mounted INSIDE, approx. 4' from floor, or within a comfortable operating height.
- In some instances an optional extension harness may be ordered for the Control Panel, which should include an additional junction box. This Extension harness is used in an instance where the panel needs to be located closer to a fryer or other plumbing.



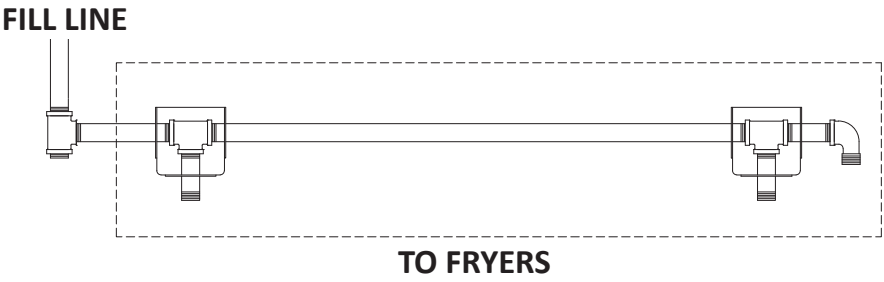
3 FILL LINE PLUMBING

- You will use 3/4" Edible hose (PN: 700416) or 3/4" schedule 40 pipe (black or galvanized) for the fill line.
- Always plumb in a direct route with as much fall from the fryer area to tank as possible. Allowing the grease to always fall towards the tank.
- Use T's and plugs instead of elbows whenever plumbing is accessible, to facilitate clean-out.
- Any applications using solid shortening should be heat traced.
- Plumb from the Fryer/Pump Station (Direct Pump) to the ball valve, or the Control Panel (Caddy Fill) to the 3/4" inlet at the top of the tank.

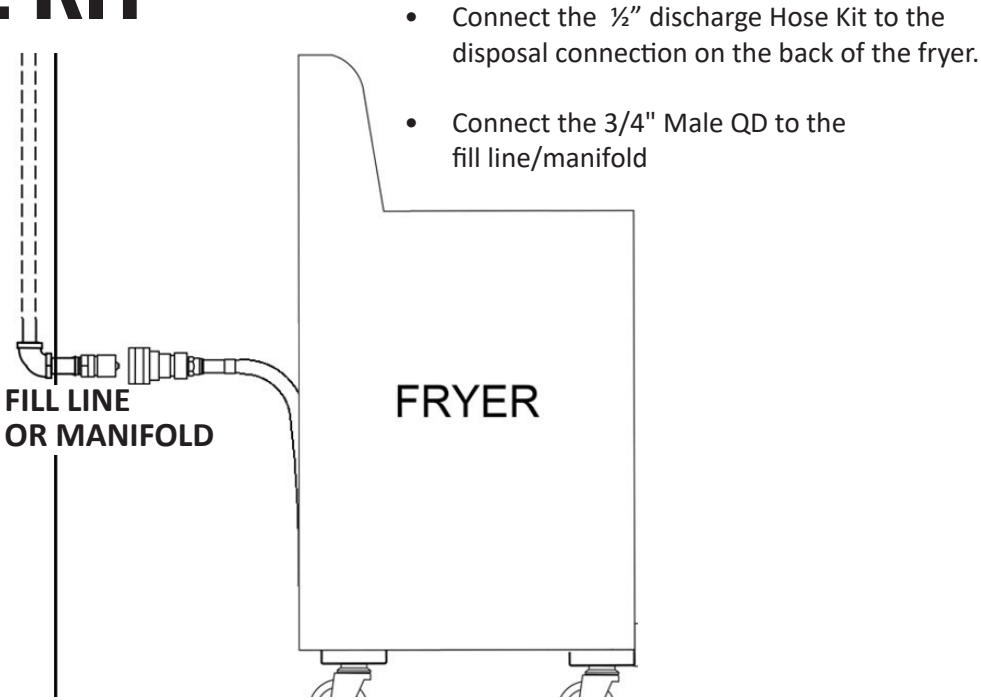


FRYER MANIFOLD / HOSE KIT (OPTIONAL)

Optional Components: Fryer Manifold (PN:700553) Fryer Hose Kit (PN: 700155)



- Attach the Manifold bracket to the wall using appropriate fasteners (not included). The manifold should be mounted 18" - 36" from the ground.
- The manifold kit will connect to the fill line, and provide 3 additional connections.
- Any unused ports should be plugged with a 3/4" cap.

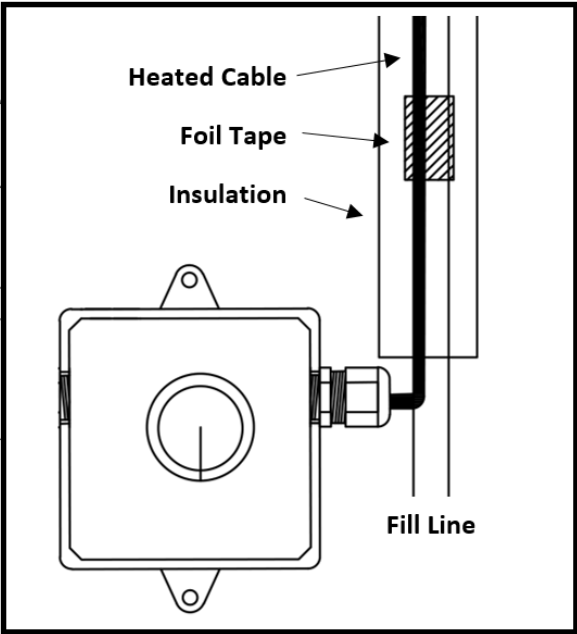
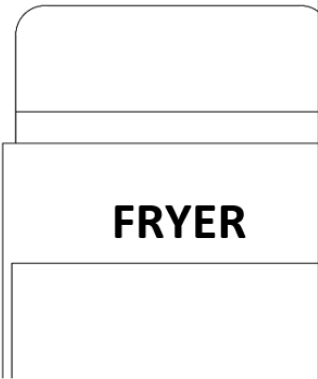
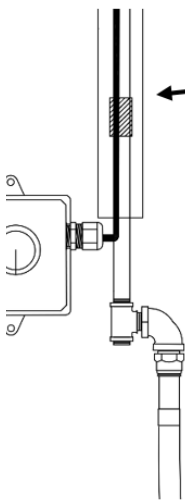


- Connect the ½" discharge Hose Kit to the disposal connection on the back of the fryer.
- Connect the 3/4" Male QD to the fill line/manifold

HEAT TRACE (OPTIONAL)

IMPORTANT!
THE THERMOSTAT SETTING SHOULD NOT EXCEED 135 DEGREES!
Never wrap the heating cable over itself!

- All parts of the heating cable must make intimate contact with the fill line
- Heated cable should be run along the entire length of the tank fill line
- Position the heated cable at the bottom of any horizontally run pipe
- Avoid kinking the heated cable when making 90 degree turns
- Wrap foil adhesive tape every 12" around heated cable and pipe, to attach the heated cable to pipe.
- Encase pipe and heat trace with fiberglass insulation (PN:7000074) Use the supplied insulation tape to connect and seal any fiberglass insulations pieces as they butt up together.

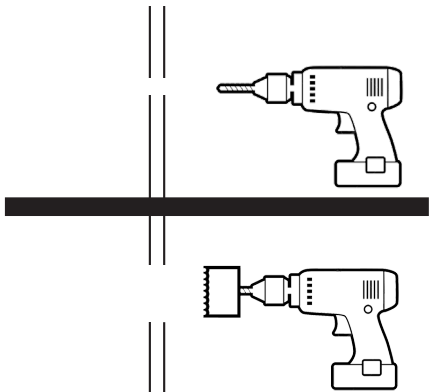


Controller requires 120V, (MAX 10A)

SHED & TANK EVACUATION PLUMBING

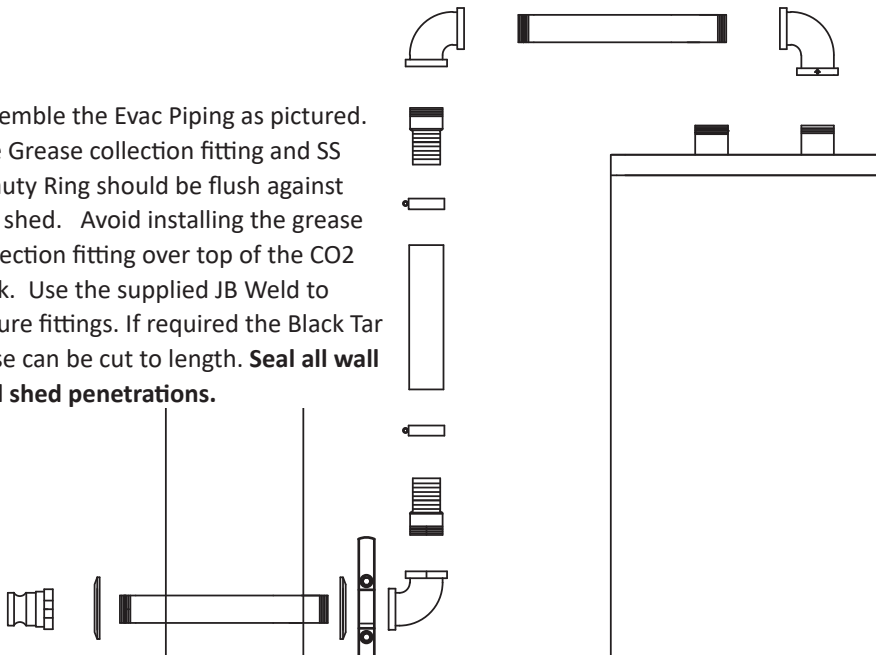


Before continuing please
reference Tank Shed Quick
Start Guide



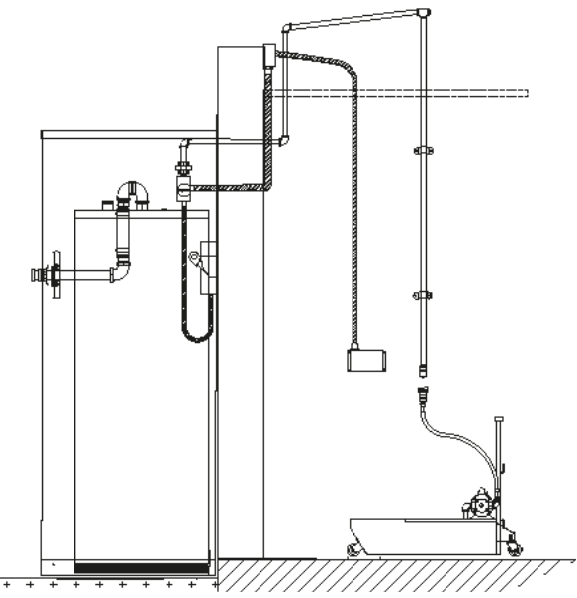
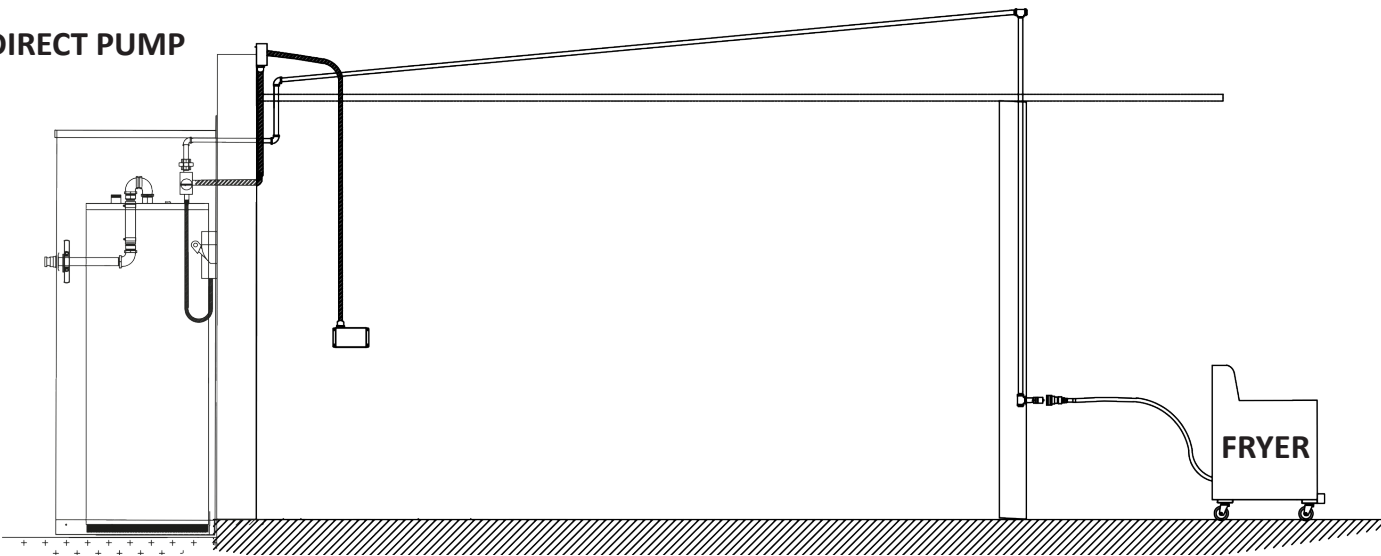
During installation you will be required to Drill a 2.5" hole into the shed. Start with a 1/4" pilot hole through the shed. Then bore a 2.5" hole. Using a Greenlee Slug Buster will provide a clean professional result.

Assemble the Evac Piping as pictured. The Grease collection fitting and SS Beauty Ring should be flush against the shed. Avoid installing the grease collection fitting over top of the CO2 tank. Use the supplied JB Weld to secure fittings. If required the Black Tar Hose can be cut to length. **Seal all wall and shed penetrations.**



INSTALLATION OVERVIEW

DIRECT PUMP



FOR ASSISTANCE CALL: 1-800-486-0101