

Electrical Requirements & Tanks

Restaurant Technologies to visibly post at tank location.

Listed below are the power requirements for the Restaurant Technologies indoor tanks. These requirements are for the supporting equipment located on top of the Restaurant Technologies tanks.

Equipment to be installed:

- Two (2) duplex receptacles or one (1) quad receptacle

Required Voltage/Amperage:

- 120V, 20amps, dedicated circuit
- NOTE: The Restaurant Technologies equipment that will plug into these receptacles are UL listed appliances and will pull less than 20amps total when all are running at the same time (rare occasions)

Location of Receptacle:

- On wall near Restaurant Technologies tank location, approximately 7 feet above floor

Wiring:

- Can put both receptacles in one enclosure (quad) or separate enclosures. If separate enclosures, receptacles must be located within 3 feet of each other
- White to building switchboard or panelboard
- Wire both receptacles to a dedicated 20amp breaker
- Label breaker with "Restaurant Technologies"

Code Requirements:

- All wiring must conform to the NEC and be capable of passing an electrical inspection



Designated Quad Outlet



Restaurant Technologies tanks will be installed in this designated area. Do not block or change location without discussing with your Restaurant Technologies contact.



SAFER. SMARTER KITCHENS



FOOD QUALITY



EFFICIENCY



SAFETY



SUSTAINABILITY

Electrical Requirements – Outdoor Tanks

Restaurant Technologies to visibly post at tank location.



- **Dimensions**
 - 62.5" Long x 44.5" Wide x 68.25" Tall
 - Height includes 3" tall skid attached to bottom.
 - NOTE: Fill box door will stick up an additional 3" when open.
- **Vessel Material = Food-Grade Polyethylene**
- **Enclosure Material = Aluminum**
- **120 VAC power required (maximum draw = 25 amp)**
- **Net Storage Capacity, at overfill switch trip point**
 - Fresh oil tank = 1,400 lbs. (183 gallons)
 - Waste oil tank = 1,400 lbs. (183 gallons)
- **Weight**
 - Empty = 976 lbs.
 - Full = 2,376 lbs. (typical max weight, fresh tank full and waste tank empty)
 - Max = 3,776 lbs. (both tanks full – unlikely scenario)
- **Features:**
 - Overfill switch provided on both tanks.
 - Heated enclosure (600W max draw).
 - Fresh oil tank provided with remote level gauge that reads in "pounds of oil" inside restaurant.
 - Space inside enclosure for locating supporting equipment.
 - Fresh oil tank certified by NSF to ANSI/NSF Standard 4.
 - Assembly complies with applicable requirements of UL 499.

Power Requirements

Listed below are the power requirements for the RTI outdoor tank assemblies. This sheet should be printed out and given to the electrician or contractor installing the service.

Equipment to be Installed:

- Electrical disconnect.

Specifications for Disconnect:

- **Min. rating:**
 - 25 amps at 120 VAC, **single phase**.
- **No. of poles:**
 - 2 plus ground.
- **Enclosure type:**
 - Outdoor, metallic, NEMA 3R or better.
 - Arc shield required over terminals.
 - Enclosure must have knock-outs for ½" conduit.
- **Puller type:**
 - Non-fusible, plug or switch (blade) type.
 - Must be capable of being locked in the OFF position.

Location of Disconnect:

- Exterior wall, approximately 4 feet above ground.
- Within 6 feet of tank.

Wiring:

- Wire disconnect to building switchboard or panelboard, 120Vac, single phase, 25 amp dedicated circuit.
- Label circuit breaker "RTI".
- Conductors can be run inside or outside wall.
- Exterior conductors must be enclosed in rigid, rain-tight conduit.
- All disconnect penetrations must be rain-tight.
- Disconnect must be properly grounded to building ground.

Code Requirements:

- All wiring must conform to the NEC and be capable of passing an electrical inspection.
- Permits should be pulled when required by the authority having jurisdiction.

Tank Specifications:

- 120VAC, 25 amps, **single phase**.
- Tanks provided with 12 feet of ½" flexible conduit and ½" fittings.
- Conduit stuffed with two 12 AWG conductors plus 12 AWG ground.
- No more than 6 feet of conduit may be unsupported between disconnect and tank. Secure conduit to building and tank as necessary.

