

# Installation – 4400 Series Power Paks

---

## Important Safety Warnings!!

---

- Follow all National and Regional Codes.
- Read Installation and Operating Instructions carefully before attempting to install, operate or maintain the product.
- Protect yourself and others by observing all safety information.
- Electrical hazards exist and can cause injuries if not serviced by properly trained personnel.
- Failure to comply with instructions could result in personal injury and/or property damage!
- Retain instructions for future reference.
- Never operate the circulating pump without coolant in the reservoir.

**NOTE: Air-cooled Power Paks must be installed in areas with adequate ventilation to maintain ambient temperatures of less than 105°F to achieve optimum performance and satisfy warranty requirements.**

## Installing the Power Pak

---

Prior to installing a 4400 Series Power Pak, it is imperative that the method of connecting it to the electrical service has been determined. Ensure that the electrical service to power the Power Pak will handle the load requirements. Perlick has a Power Cord specifically designed for a Power Pak, which has a RLA of 16 amps or less, and a MCA of 20 amps or less. All units with RLA greater than 16 amps and a MCA of greater than 20 amps should have the Power Pak hard-wired to electrical service.

## All Models

---

- Determine the ideal placement of the Power Pak. Locate the connection point to the trunk housing and place the Power Pak as close to this point as possible. (NOTE: If the Power Pak is to be located on top of the walk-in cooler, it is imperative that proper ventilation is provided to prevent system failure due to overheating. Inadequate ventilation will void warranty.)

- Place the Power Pak and ensure that it is level to provide proper overflow protection.  
REMINDER: Allow a minimum of six inches of clearance on the louvered ends of the cabinet for proper airflow. Allow accessibility room on the top of the cabinet as well as the front of the cabinet for serviceability.
- Remove the top panels (2).
- Ensure Power Switches for Condensing Unit and Pump(s) are in the OFF position. Make the electrical connections per the illustrations.  
Note: Electrical circuit should be a dedicated circuit for use only with the Power Pak. The circuit should be sized in accordance with the electrical requirements of each unit as well as in compliance with all National and Local Codes.
- Plumb overflow port to a suitable reservoir/drain.

## Water-Cooled Models

---

- In addition to the above installation instructions:
- Care should be exercised in locating the Power Pak so that the unit will never be exposed to temperatures below freezing.
- If the Power Pak is installed more than 5 feet higher than the remote outlet drain point (i.e., location of the floor drain) of the condenser, a vacuum breaker or open vent line should be provided to prevent the discharge line from creating a partial vacuum condition in the condenser water system.
- If a water-circulating pump is used it should be placed on the water supply side of the condenser, so water is being pushed through the condenser.
- A potable water supply is required as well as a drain or reclamation system.
- Make water supply connection to fitting labeled as the water inlet. Make outlet connection to fitting labeled as the water outlet connection. Both the inlet and outlet fittings supplied with the Power Pak are 1/2" John Guest Quick Connect fittings.