

N-Con Part#: 17-125 CHILLER ASSEMBLY



Package includes:

- Power Supply (17-125R)
- Chiller Unit
- Condensate Drain Line
- Mounting Bracket and Hardware

Installation Instructions



Install Chiller Unit

1. Ensure that the unit is turned off and unplugged to begin installation.
2. Attach the chiller unit with the eight (8) cap nuts included on the precipitation sampler. Tighten nuts with the adjustable wrench included in the sampler tool kit or nut runner.

Ensure that the power connector is inserted through the hole in the insulation in the housing.



Install Power Supply

Use the included bracket to attach the power supply to the 2" mounting pipe 8-10" below the precipitation sampler.



1. Install power supply on mounting post. Position power supply 8-10" below the unit using the preinstalled bracket. Ensure that the power cable for the chiller reaches the plug on the underside of the chiller unit.

2. Attach the AMP power cable from the power supply to the AC connector on the precipitation sampler.
3. Ensure that the internal sampler power switch is off.
4. Plug the Power Supply AC cable into a grounded GFI outlet.

Note: The chiller unit will turn on. It is always powered to ensure sample quality even when the unit is turned off.

Installation of Chiller Condensate Drain Line

1. Attach the drain line hose fitting on the bottom (exterior) of chiller and route so that condensate does not create a safety hazard.



Temperature Adjustment

Thermostat is located on the chiller unit (Fahrenheit). Adjust as necessary to maintain desired cooling temperature.

Note: Fan runs continuously regardless of the cooling state. Heat is controlled by the separate thermostat located on the Control Chassis.

Maintenance

The thermoelectric chiller is maintenance-free. The hot side heat sinks (outside the enclosure) can be cleaned using compressed air. Do not direct any high-pressure air at the fans.

The chiller is designed to allow for water wash down on the hot side of the unit, which is on the outside of the enclosure (**never the cold side, which is inside the enclosure**). Never allow the cold side of the unit (inside) to get wet.

Keeping the hot side heat sink fins free from any insulating build-up of dirt or dust will ensure long, trouble-free operation.