



Installation and Maintenance Guide

Read this guide thoroughly before you install your system. Please note that normal installation requires no tools, but special circumstances may require you to use wire cutters to shorten the length of the misting tubes. For additional information and troubleshooting tips, please visit our online support center at www.coolinsave.com.



Step 1: Attach water supply tube and water treatment cartridge.

Locate the 20' water supply tube and uncoil it. Locate the water supply nearest to the AC condenser unit (hose bib). You may cut the tube to fit with scissors, but if nearest water supply is greater than 20', ask your distributor/retailer for an accessory kit that includes an additional 20' of tubing. Screw the swivel end of the water supply tube to the hose bib (or other threaded source). Select a convenient location on the water supply tube and cut it. Push the cut ends of the water supply tube into the cartridge water ports. It is okay to allow the cartridge to rest on the ground or other surface. DO NOT allow the cartridge to hang by the water supply tube.



Step 2: Adjust and attach the paddle/valve housing to the AC unit.

Turn on your AC unit and select a position for the paddle on top of the condenser unit where the air stream from the condenser fan is strong and consistent. Usually the middle of the top exhaust vent is the best position. Hold the paddle/valve housing in position (do not peel off the adhesive backing) and turn it until the paddle swings up completely and freely. Turn off your AC unit and clean the area you have selected for installation of the valve. Clean the area with a non-soap solvent like rubbing alcohol. Make sure that the surface is completely dry then peel off the adhesive backing on the permanent adhesive pad and press the housing firmly into position. Maintain firm pressure on the paddle/valve housing for about 10-15 seconds to ensure full adhesion.



Step 3: Attach and adjust misting tubes.

Push and twist the water supply tube about 1/4" into the blue water port marked "IN" on the paddle/valve housing. Locate the three misting tubes - 30" of tube with nozzle housing on one end. DO NOT remove the wire inside of the misting tubes. Push and twist the misting tubes into the remaining ports on the paddle/valve housing. DO NOT attach the mist nozzles at this time. The nozzle housings should hang about 4 to 6 inches over the edge of the condenser. If the tubes are too long (if the nozzle housings are more than half way to the ground), we recommend that you cut them with wire cutters. Bend the misting tubes so that there is a 4 to 6 inch gap between the nozzle housings and the condenser. Nozzle housings should be almost parallel to the condenser and the nozzle housing openings should be pointed away from the condenser.



Step 4: Flush the tubes and screw on the misting nozzles.

Turn on the water supply and lift the paddle manually until water flows out of the nozzle housings. Allow water to flow for 20 seconds to flush out the misting tubes of any debris. Stop water flow (release the paddle) and screw on the micro mist nozzles. Hand tighten only. DO NOT over tighten.



Step 5: Turn your AC unit on and enjoy the savings.

Turn your AC unit on. The Cool-n-Save paddle should rise when the condenser fan activates. Make adjustments to the misting arms as needed to ensure that most of the mist flows back into the condenser. You may use zip ties to secure the position of the water supply tube and the misting tubes to the top of the condenser unit. Note that for optimal effect, the micro mist nozzles should be pointed away from the condenser. Since the idea is to cool the air around the AC unit, the mist pattern should be as wide as possible. Some wetting of the condenser will occur.

The Ultimate Water Treatment System



Cool Release
3-Month
Cartridge

Cool Release™ is an advanced in-line water treatment system designed to control scaling that may occur due to mineral deposits that are in your water. A 3-month cartridge is included with a standard Cool-n-Save® kit. We recommend that you replace expired cartridges to ensure trouble-free benefits of **Cool-n-Save®**. Consult your distributor or retailer for replacement cartridges.

We do not recommend using Cool-n-Save without a functioning Cool Release water treatment cartridge. Even if your home is equipped with a water softening system, some particulates and sediment could remain and clog the micro mist nozzles.

How does it work?

Cool Release chemically neutralizes common sediment and other chemicals found in your water that could clog the micro nozzles. Non-phosphate polyacrylate agents also attack scale-forming calcium molecules and distorts their geometry. Treated minerals are dispersed through the water and washed away with minimal adhesion to critical components of your air conditioner.

Care and Maintenance

Cool Release™ will eliminate most scale-causing minerals, but in some extreme cases, residue may still develop. We have found that areas characterized by extreme atmospheric heat (in excess of 100°F for more than 40 days a year), low relative humidity (below 30%) and higher than normal levels of dissolved minerals in local water supply may leave enough mineral in the mist water to develop 'dry spray' residue on coils, fins and other surfaces. If you live in an area with these conditions, check the Cool Release water treatment system to ensure that it is working properly; replace water treatment cartridges when they expire; and if necessary, clean the cooling fins and coils with a SOFT brush and a 50/50 mixture of vinegar and water, or a foaming coil cleaner.