



Expansion Kit Installation Guide

Read this guide thoroughly before you install your Expansion Kit. 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.coolnsave.com.



Step 1: Assemble expansion arms.

The Expansion Kit is an ideal add-on for a new Cool-n-Save installation, but it can be added to an existing installation. Locate TWO misting arms from your Cool-n-Save Kit (if this is an existing installation, remove TWO misting arms from the domed valve housing). Then locate THREE misting arms, TWO expansion water feed tubes, and TWO grey "T" lock joints from the Expansion Kit. Insert the misting arms and feed tubes into the lock joints as shown.



Step 2: Attach the misting feed tubes to the paddle/valve housing.

Remember: DO NOT remove the wire inside of the misting tubes. Push and twist the water feed tubes into the remaining water ports on the paddle/valve housing (one should be taken up by a regular misting arm). DO NOT attach the micro mist nozzles at this time. The nozzle housings should hang about half way to the ground. If the tubes are too long (if the nozzle housings are more than half way to the ground), you may cut them with wire cutters.



Step 3: Adjust misting tubes.

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. Space the nozzles evenly around the AC unit to ensure maximum coverage and projection of mist around the unit.



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. 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. As a reminder, the 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 around the AC unit. Some wetting of the condenser will occur.

Protect your investment with Cool Release™



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.