



Coil Cleaning Company - Inventor of the **HURRICANE**, the world's only air/water coil cleaning system.

## Operating instructions and tips on operating the coil cleaning system.

The Hurricane nozzle kit contains a nozzle,  $\frac{3}{4}$ ' swivel, and 8' of water supply hose.

Attach swivel to a  $\frac{3}{4}$ " galvanized 90 degree elbow. Attach that to a 6 foot X  $\frac{3}{4}$ " aluminum or galvanized pipe with a  $\frac{3}{4}$ " ball valve on the other end to control air delivery. I recommend 200 feet of 1" reinforced clear plastic air hose for the air line and 200 feet of reinforced  $\frac{3}{8}$ " clear hose for the water supply. These hoses can be purchased at a commercial hose supplier along with accessories such as a roller stand and chemical sprayer.

*We offer two nozzle kit models:*

*For chilled water coils check that you have model H001 with  $\frac{3}{32}$ " air holes on the nozzle*

*For DX coils check that you have model H002 with  $\frac{15}{64}$ " air holes on the nozzle*

**Think safety.** Read all labels and MSDS sheets for chemicals used. Use eye protection, hearing protection, and proper protection against splashes, airborne soaps and cleaning chemicals. Use all OSHA guidelines for servicing electrical equipment. De-energize the equipment you are cleaning.

View the videos at [coilcleaningtools.asia](http://coilcleaningtools.asia) for suggested operation.

**With air control valve in the "OFF" position, connect to minimum 100 CFM @ 100 PSI of air source. With the water valve in the "OFF" position, connect  $\frac{3}{8}$ " hose to minimum 60 PSI city water supply.** Use a push broom to remove debris from the exterior of the coil.

**Note that the discharging air and water intersect at approx. 1.5 inches from the nozzle surface. Therefore it is important to keep the nozzle approx. 1.75" away from the surface of the coil during operation**

Always remove access doors on equipment for easier access with the nozzle per the website videos. Back flush first, then forward flush. Do not blow directly under the condenser fan motor. In situations where water and air may contact the condenser fan motor, wrap the condenser motor with a towel to protect it.

Follow all label instructions for cleaning chemical used.. **It is imperative that the discharge of the nozzle is "in line" with the coil fins at all times.** Upon spraying cleaning chemical onto the coil, immediately "inject" the cleaning chemical deep into the coil. Inject the chemical with the air turned all the way on and with just a small trickle of water. **It is very important to inject the soap into the coil before it foams up on the exterior.** This critical process improves safety, reduces labor, and greatly improves air flow and heat transfer. You will note that the soap injection step also blows out a significant amount of dry dust as well. It is the responsibility of the operator to continually monitor coil surfaces. Be cautious of condenser fins that may be bending over or may be folding into each other – IE when you start with 14 fins per inch and have 7 fins per inch when you are done, you must reduce the air pressure. Lower the air pressure if this happens either with your hand operated control valve or at compressor. Using minimum air pressure also lowers operator fatigue.

**Rinse thoroughly.** Repeat until no more dirt is present in rinse water.