

AMBUSH

Condensate Drain Pan Treatment



OPERATING INSTRUCTIONS CONTINUOUS DISPENSER UNIT

1. With power switch at OFF position, insert two "C" batteries. Commercial grade alkaline batteries are recommended.
2. Attach DRAIN LINE to Dispenser: Included with the Dispenser Unit is a length of plastic drain line with a nut at one end (you may notice a vent on the side of the tubing below the nut). Screw the drain line onto the threaded spout at the bottom of the Dispenser Unit, ensuring nut is tight. The drain line should be kept as short as possible while still reaching the surface of the drain pan or drain line. Trim any excess over 6 inches from bottom of tube.
3. Attach Dispenser Unit to wall no more than 5 1/2 feet above condensate pan, and do not allow tubing to kink or curl (tubing should be as straight as possible from the unit to the drain to permit maximum efficiency). Screws are included inside the dispenser unit. You can also use zip ties or a 5" x 5" sheet of double sided foam tape.
4. To load refill, hold refill bottle at a 45 degree angle to the dispenser unit and insert plastic tip of refill bottle into receptor hole of actuator. Swivel the bottom of the refill down and back toward dispenser until it clicks firmly. SEE DIAGRAM 'B'.
5. Turn the power setting to the ON position. SEE DIAGRAM 'A'. The dispenser will now activate and the actuator will automatically depress five times to remove air from the tubing and fill with product. If necessary, you can turn the unit on and off several times to ensure all of the air is out of the dispenser tube and the product is ready to dispense.
6. To set the INTERVAL SPRAY SWITCH, choose one of the following pump/min intervals:

7.5/min	Refill will last approximately 1 month based on 24 hour operation *PREFERRED SETTING*
15/min	Refill will last approximately 2 months based on 24 hour operation
30/min	Refill will last approximately 3 months based on 24 hour operation
7. LIGHT SENSOR MODE SWITCH, choose one of the following settings:

24H	Activates around the clock *PREFERRED SETTING*
NITE	Dispenser works with no external light source
DAY	Dispenser works with external light source.
8. A GREEN LED light will blink every 5 seconds until the refill unit is used up. The LED light will begin to flash red to indicate that the refill or batteries **may** need to be replaced.

Introducing the most innovative and effective automated Condensate Drain Pan Maintenance Program found anywhere!

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Condensate Drain Pan Treatment



Finally, a completely automated, hassle-free approach to maintaining clean free-flowing condensate pans and drain lines!



Condensate Drain Pan Treatment System

The Problem:

When warm air passes over extremely cold evaporator coils, condensation forms and drips into a drain pan below. Think of the water droplets that form on a cold drink in summer.

Unfortunately, sometimes condensate drain pans and lines can get damaged or clogged and cause quite a mess. Dirt, dust, debris, slime, bacteria All accumulate and can cause lots of problems.

If water is pooling around an indoor air handler, there is most likely an AC drainage problem. Left unattended, the water will continue its downward trajectory through ceilings, walls, and floors. Some AC units have an overflow float switch that will turn the air conditioner off if it detects a condensate backup. If an AC unit won't turn on, one of the first things to check on is the condensate drainage system.



Inspect the Drain Pan:

The overflow drain pan, located underneath the evaporator coils, catches condensate that forms when warm air passes over cold evaporator coils. This condensation then flows into most often a PVC condensate drain pipe. Look for any cracks in the pan as small cracks can cause leakage resulting in potential costly damage . Check the opening to the condensate drain line for any obvious backups or debris. If there is condensate in the overflow pan, there is probably drain line clog.



The **AMBUSH** Condensate Drain Pan Treatment system is the newest and most effective way to provide continuous automated treatment applications to HVAC and AC units. Every 7 ½ minutes, day and night the AMBUSH system will deliver to proper amount of treatment for keeping drains pans and drain lines clean and odor-free! As condensation accumulates in the sumps or pans, the treatment will mix with the solution-and the cleaning begins. As it flows away, odors are gone- drain pans are clean!

There are no large tablets, blocks, or packages that can end up plugging condensate drains. Just a small consistent flow of super -concentrated treatment that won't accumulate and keeps drains flowing freely.

This system is so easy to set up and service. It's as easy as hanging a deodorizing dispenser on a wall That's it - That easy!

- Insert the (2) "C" Batteries.
- Push the 6 foot long drain line tubing on to the bottom of the dispenser.
- Attach the dispenser to the wall using the supplied screw or double-sided foam tape.
- Pop the bottle into the dispenser.
- Slide the button to the "ON" position.
- Slide the other button to the 7.5 minute interval setting.
- **YOU'RE FINISHED!**



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A typical central air conditioner in the average home may produce between five and 20 gallons of water (condensation) every day during summer.

A continuously wet drip pan in a warm or hot environment or air handler enclosure is a mold colony waiting to happen. Food for mold and bacteria is not a problem. Microscopic airborne organic particles from the environment are sucked into the return ducts of a central HVAC unit and end up being washed down into the condensate drip pan. This mix of nutrients and moisture, plus heat and darkness, makes the drip pan an ideal breeding ground for mold.

Mold growth in the drip pan can have two bad consequences: Mold forms a jelly-like consistency that may plug the drip pan drain lines. As the AC system produces gallons of condensation each day, a drip pan that doesn't drain can quickly become a disaster. In most cases air handlers are not checked regularly, so overflow may occur for some time before it's noticed by maintenance personnel.

Mold spreads by releasing millions of airborne mold spores per hour. From their home base in the drip pan under the air handler, these microscopic particulates are perfectly located to infiltrate the air path of the air flow in the system. Once inside the system airflow, they can circulate through the HVAC ducts and contaminate indoor air quality. Mold spores are known allergens and may cause symptoms such as breathing difficulties, nasal congestion and eye irritation in sensitive individuals. Mold has also been implicated in the development of childhood asthma.

A badly fouled condensate drip pan





AMBUSH Condensate Drain Pan Treatment is extremely effective, non-toxic, non-caustic and will not harm drain lines or drain pans or mechanical surfaces. It continuously cleans drain pans and drain lines automatically.

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Condensate Drain Pan Treatment System

It works like nothing you've ever seen before!

The **AMBUSH** system is a fresh new approach to an age-old problem of maintaining condensate drain lines and drain pans. It makes an unpleasant job a quick and easy job. There's no need to keep going back on the roof or in the mechanical room and administering ordinary condensate pan chemicals or tablets over and over again. With **AMBUSH**, the maintenance is completely automated giving you just the right amount of treatment on a continuous basis.

Super Concentrated formula keeps drain pans and drain lines clean and odor-free!

- One 500 mL bottle lasts 30, 60, even 90 days.
- Continuous treatment feeding every 7½ minutes.
- Bottles change out in seconds.
- Fits in small tight areas- takes just minutes to set up.
- Battery operated- no AC required.
- Works indoors and outdoors.
- Works in any commercial size AC unit- up to 160 TONS or more!

