CTKHCGR-LB

Installation Instructions

Bluefin®

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HVAC CONDENSATE TRAP KIT

Without Brush

Purpose. The trap provides a water seal in an HVAC condensate drain and access points for inspection and cleaning. Install it in the primary condensate line in accordance with the air handler instructions and local requirements.

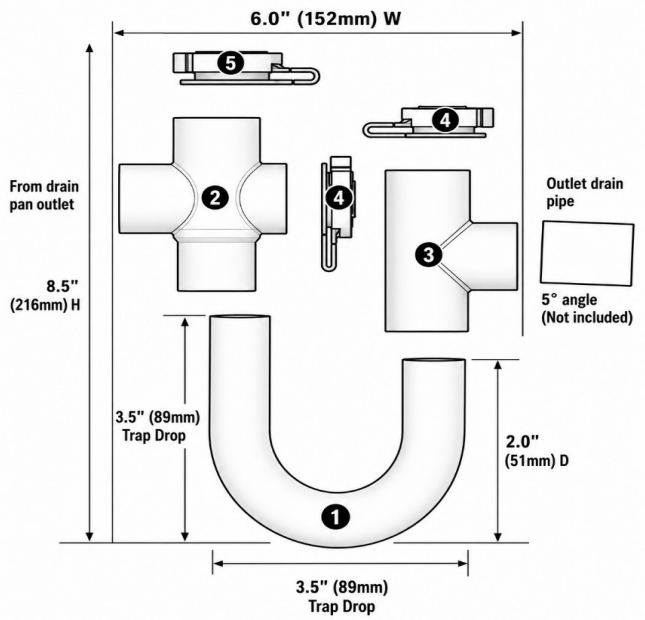
Before beginning. Turn the HVAC system off. Confirm the drain pan connection, available clearance, and a continuous drainage path. Check the equipment manufacturer's trap location and depth requirements; the required water seal depends on the unit and its drain pressure. Dry fit every part and keep all capped service openings accessible. Use a joining method approved for the actual pipe and fitting material and follow the joining product's instructions. Do not block or cement the removable slip caps



Installation:

Important. Dry-fit and mark the entire assembly before applying PVC cement. The trap and outlet tee may be rotated to suit the required location and angles.

1. Rotate the J trap (1), inlet cross (2), and outlet tee (3) to the needed positions. Connect the inlet cross to the drain pan side and the outlet tee to the downstream drain.
2. Dry-fit the drain assembly. Fit the inlet cross (3), trap (1), outlet tee (2), and the required lengths of 3/4 inch PVC pipe. Rotate the trap and tee to the desired orientation.
3. Bond the inlet cross, J trap, and outlet tee with a joining product approved for the fitting and pipe material. Follow its cure time before adding water
4. Connect the downstream drain to the center leg of the outlet tee (3). Support and route the drain as required by the equipment instructions; do not leave a sag that can hold water.
5. Secure all three blue slip caps (4) on their service openings and attach the supplied warning label where it remains visible.
6. Pour water into the drain pan or upstream line to fill the trap, then verify free drainage, a retained water seal, and dry joints and caps. Correct any leaks or blockage before operating the unit..



Normal operation. Condensate flows from the drain pan through the inlet cross and J trap to the outlet tee. Water retained in the J trap forms the seal. During cooling, the outlet should drain freely without water backing up in the pan, leakage at joints, or air entering through an open service port. Refill a dry trap before operation, particularly after a long period without cooling.

Cleaning. Turn the HVAC system off and place a container below the trap. Remove the slip caps, use *ONLY* a properly sized brush to loosen buildup in the accessible openings, and flush with water until flow is clear. Reinstall every cap securely, refill the trap with water, and check for leaks and proper drainage before restarting. Inspect and clean as needed, especially before the cooling season

⚠ **Service note**. *If condensate overflows, drainage stops, a cap leaks, or the trap repeatedly loses its water seal, shut the system off and have a qualified HVAC technician check the drain, trap sizing and placement, downstream blockage, and equipment requirements. Do not operate the system with a cap removed or a known drainage problem.*

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