



ClearVueKübe™

System Installation 



clear
vueKübe™

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System Installation

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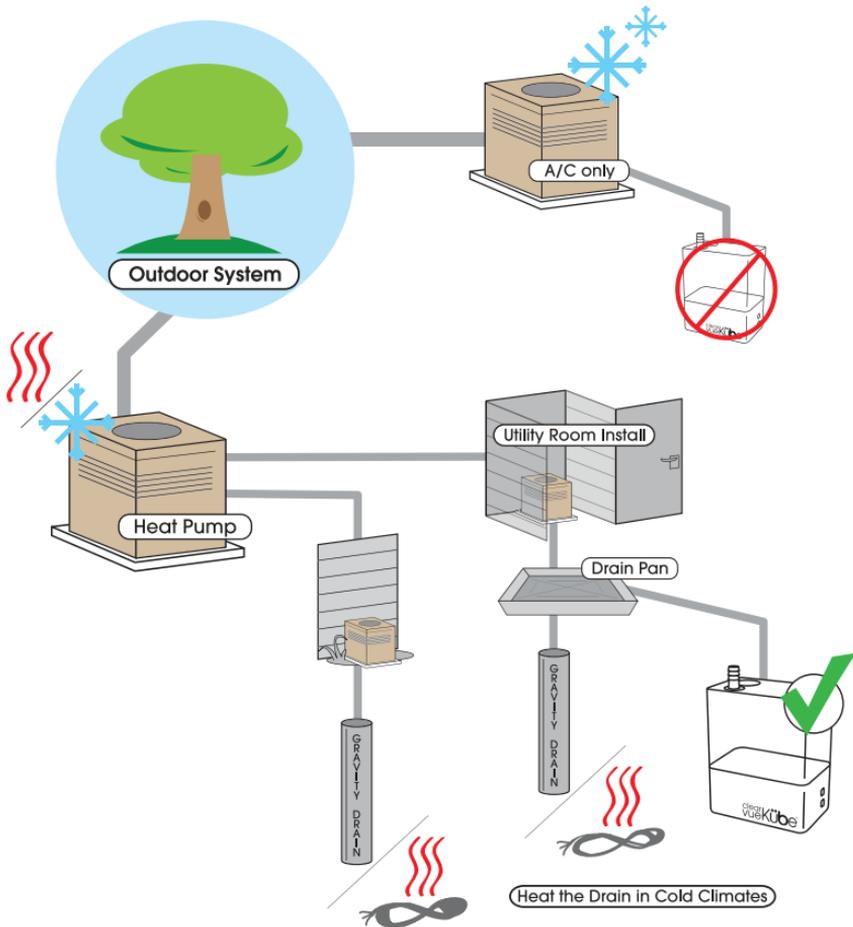
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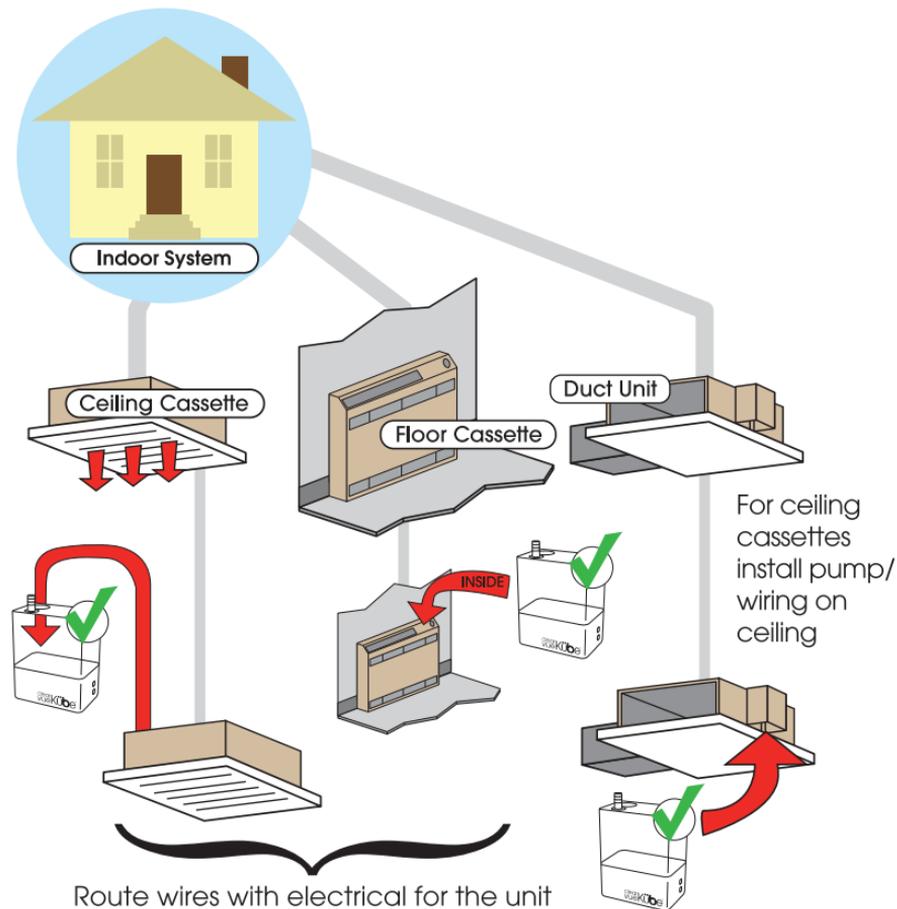
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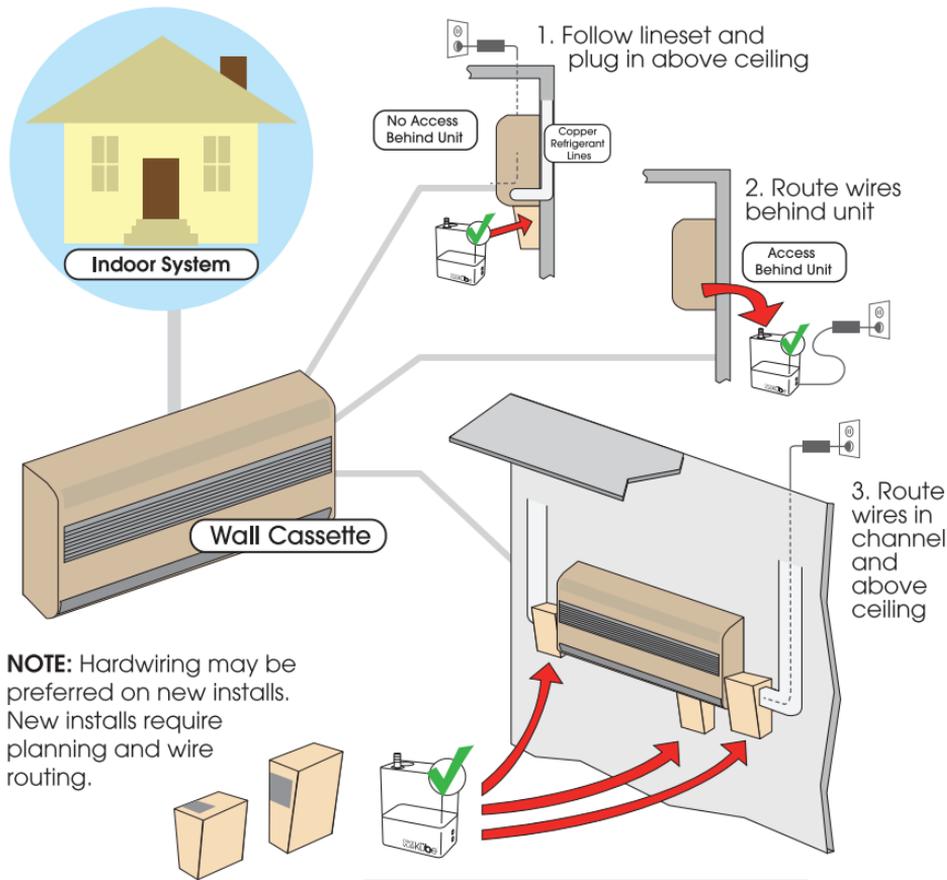
Pump Selector Guide



Pump Selector Guide (continued)



Pump Selector Guide (continued)



Indoor System

Wall Cassette

No Access Behind Unit

1. Follow lineset and plug in above ceiling

Copper Refrigerant Lines

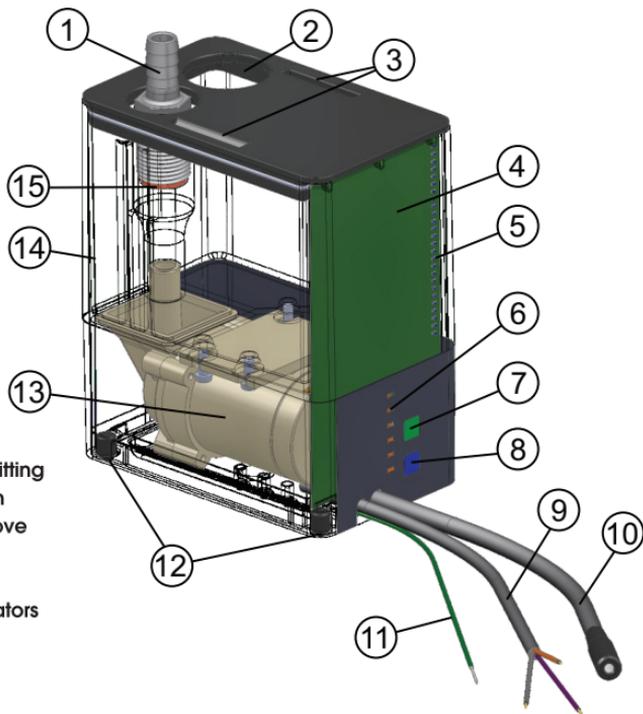
2. Route wires behind unit

Access Behind Unit

3. Route wires in channel and above ceiling

NOTE: Hardwiring may be preferred on new installs. New installs require planning and wire routing.

Mount ClearVueKübe with one of the shrouds where it is convenient for future maintenance access, and as unobtrusive as possible.



1. 3/8" Outlet Tube Barb Fitting
2. 3/4" Inlet Tube Location
3. Mounting Bracket Groove
4. Variable Speed & Lift, Floatless Sensor™
5. LED Level Sensor Indicators
6. LED Status Indicators
7. Drain Button
8. Clean Button
9. Safety Switch Cable
10. DC Power Cable/Connector
11. Earth Ground Lead
12. Anti Vibration Rubber Feet
13. Centrifugal Brushless Motor, Variable Speed DC Pump
14. See-Through Tank
15. Replaceable Check Valve

Safety & Installation



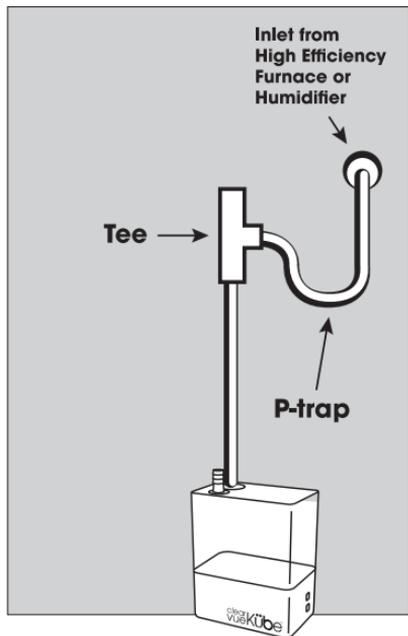
- Do not use this pump in the presence of spraying or standing water
- For indoor use only
- This pump is not suitable for use in Class I or Class II (explosive gas or dust locations).



- Pump must be connected to an earth ground



Thank you for your purchase of this condensate pump. This pump is designed for use with ductless (mini-split) systems, but will also work with condensing furnaces, humidifiers and dehumidifiers. To ensure this pump operates properly please be aware of this information. This condensate pump is designed for condensate water up to 140°F continuously. When using this pump with a high efficiency condensing furnace or humidifier, please install a P-trap in the condensate drain line before the pump to help ensure correct operation.



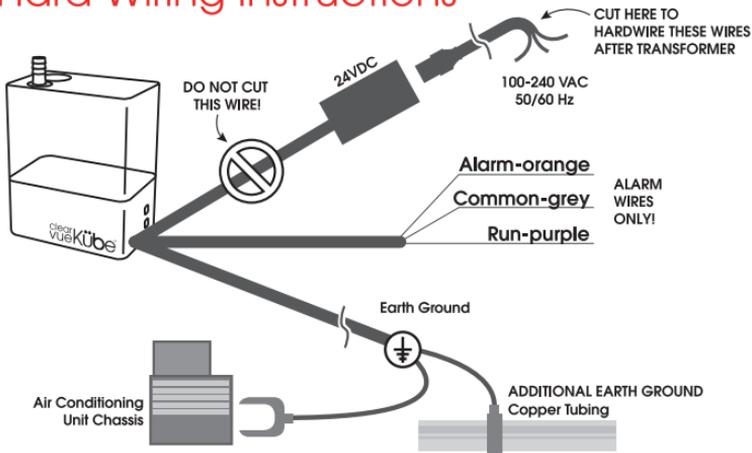
Electrical Connection

Supply voltage and frequency must match what is shown on the pump label. Source voltages lower than rated supply can reduce performance and cause the pump to overheat.

Plug the pump into a properly grounded outlet capable of providing power that exceeds the requirements listed on the pump nameplate. Avoid the use of extension cords wherever possible. The pump must be operated by a continuous source of power and must not be connected to switched outlets or other power supplies that may be inadvertently or automatically turned off. All aspects of the installation must conform to requirements of the NEC, and any applicable local codes.

WARNING: Risk of electric shock—This pump is supplied with a grounding conductor and grounding-type attachment plug. To reduce the risk of electric shock, be certain that it is connected only to a properly grounded, grounding-type receptacle.

Hard Wiring Instructions



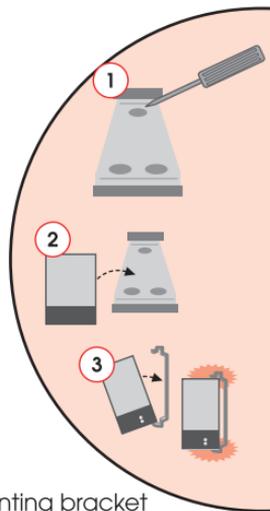
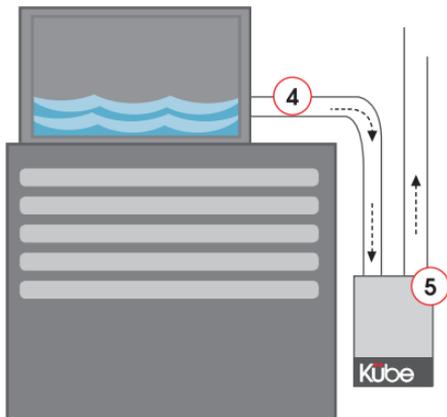
Hard Wiring Instructions (cont.)

To install a **ClearVueKübe Condensate Pump** in applications where the supplied plug is not suitable, hard wiring may be necessary.

For 120V or 240V Applications:

- When hard wiring a condensate pump, all electrical connections must be in compliance with local code requirements and the National Electric Code.
- The pump must be properly grounded.
- The pump must be operated on continuous source of power and must not be connected to switched receptacles or other power supplies that may be inadvertently or automatically turned off.

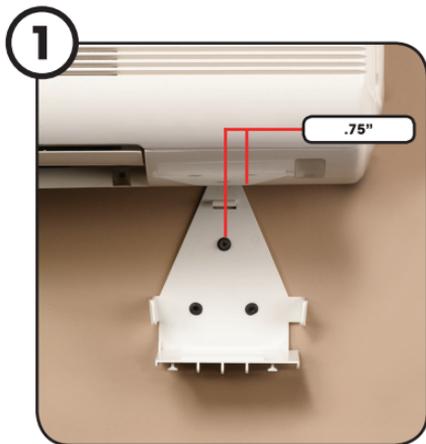
Placement & Mounting



1. Determine mounting location and drain tube access
2. Install ClearVueKübe on a wall using the provided mounting bracket
3. Ensure bracket is level and snap the ClearVueKübe into mounting bracket
4. Route drain tube into the inlet
5. Route outlet tubing. Do not kink or bend tubing.

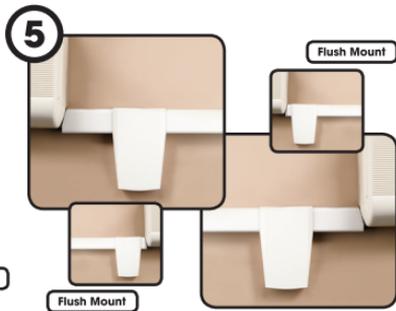
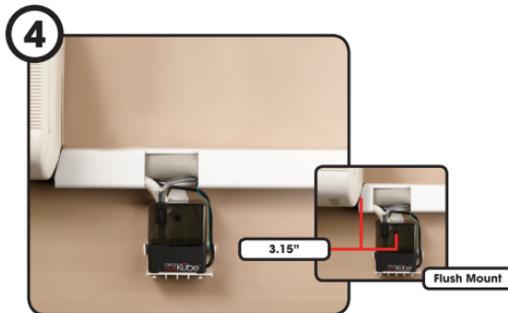
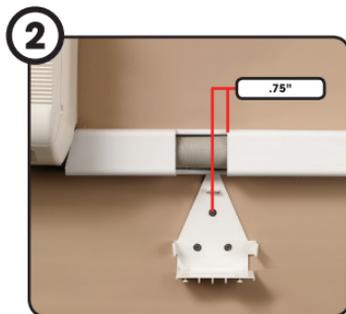
Placement and mounting with optional shroud cover kit

For mounting ClearVueKübe™ under the cassette unit



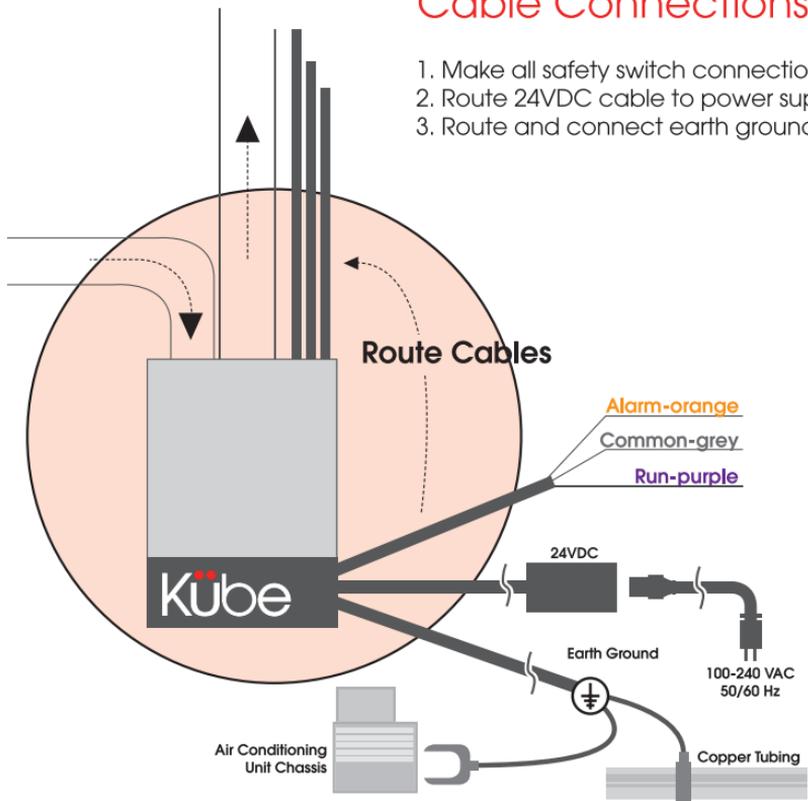
Placement and mounting with optional shroud cover kit

For mounting ClearVueKübe™ to the left or right of the cassette



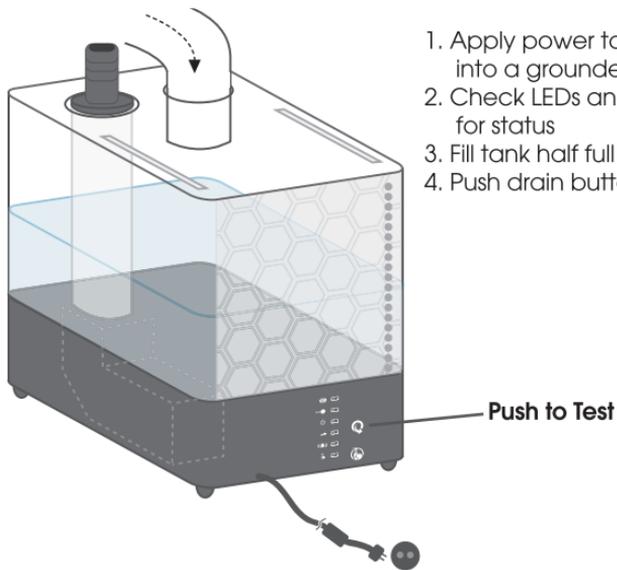
Cable Connections

1. Make all safety switch connections
2. Route 24VDC cable to power supply
3. Route and connect earth ground



Commissioning and Startup

1. Apply power to pump by plugging into a grounded outlet
2. Check LEDs and table below for status
3. Fill tank half full with water
4. Push drain button to test operation



LED Indications

LED Indicator Light	Status
 Solid Green LED	Air conditioning system circuit is enabled and pump is ready
 Solid Amber LED	Pump is running and removing condensate from tank
 Flashing Blue LED	Pump is sensing water
 Solid Amber LED & Flashing Red LED	Pump is in alarm mode and air conditioning system circuit is disabled (optional alarm tone if enabled will sound)
 Solid Amber LED & Flashing Red LED & Flashing White LED	Pump has started a clean cycle due to high level alarm
 Flashing White LED	Pump is preparing to run a clean cycle once sufficient volume of water is in tank
 Flashing White LED & Solid Amber LED	Pump is running clean cycle
 Blue LEDs	Indicates water level in tank

Pump Operating Conditions

Normal	Senses water and pumps as normal
Clean	Senses clogs and attempts to free them by pulsing the drain line
Variable Speed/Lift	Adjusts to changing inflow and head height
End of Season	Empties and cleans pump at the end of the cooling season
Night Mode	Shuts off LED indicators at night

Button Functions

Button	Function
 Press Drain button	Manually test motor operation
 Press Drain button with water in tank	Manually empty pump
 Press Clean button	Clean cycle will run once a sufficient volume of water is in tank
 Press Clean button again	Cancels clean cycle
 Press Drain button	Activate or deactivate audible alarm while plugging in pump
 Press Drain button when pump is in alarm mode	Silence audible alarm
 Press and hold Clean button while applying power	Enable or disable night mode

Technical Data

Rated Voltage	100-240V, 50-60Hz
Rated Current Draw	1.0 Amps
Plug	120V USA 3 prong plug or 230V 6-15 NEMA
Head Height	15'
Flow Rate at Zero Head	66GPH/1GPM
Maximum Rated Inlet Flow Rate	1/8 GPM
Temperature Rating	Continuous duty 140°F Max inlet temperature 160°F Not suitable for contact with steam or gasses that exceed 160°F, install with P trap
Included Accessories	Instruction Book, AC adapter with power cord, mounting bracket

Troubleshooting Guide

Symptom	Possible Condition	Corrective Action
Unit does not start when full of condensate	Power is not applied to pump	Ensure that power is supplied to the pump. A green LED indicator will show that power is supplied and that the pump is ready.
	Water is not touching sensor array	The tank must be at least 1/2 full in order to run a pumping cycle.
	Pump impeller is not turning	Clear any blockage in the impeller housing. If the problem persists, the motor is stuck. Contact the manufacturer. There are no user serviceable parts.
Pump will not shut off	Pump is in overflow condition	The inlet flow to the condensate pump is exceeding the outlet flow. Check to ensure that the pump safety switch (alarm circuit) is connected to the air conditioning unit. The safety switch connection will shut off the air conditioning unit in this condition.
	Outlet flow is blocked	Check outlet tubing to ensure that it is not kinked or blocked. Clear blocked tubing of slime and debris. Clean inlet and outlet piping. Remove and replace check valve if necessary.
Air conditioning unit is not running	Power is not applied to pump	The pump is a fail safe device. Power must be supplied to the pump to turn on the relay that activates the air conditioning unit.
	High level alarm is activated	Check the red Alarm Light. If the red Alarm light is flashing, check the drain line and pump function.

Troubleshooting Guide (continued)

Symptom	Possible Condition	Corrective Action
Condensate is overflowing from the unit	Power is not applied to pump	Ensure that power is supplied to the pump. A green LED indicator will show that power is supplied and that the pump is ready.
	Pump is in overflow condition	The inlet flow to the condensate pump is exceeding the outlet flow. Check to ensure that the pump safety switch (alarm circuit) is connected to the air conditioning unit. The safety switch connection will shut off the air conditioning unit in this condition.
	Pump is not level	Check to ensure that the pump is level. If the pump is not level, it may not activate, causing water to overflow from the tank. Place unit on a flat and level surface.
	Outlet flow is blocked	Check outlet tubing to ensure that it is not kinked or blocked. Clear blocked tubing of slime and debris. Clean inlet and outlet piping. Remove and replace check valve if necessary.
	Pump impeller is not turning	Clear any blockage to the impeller inlet. If the problem persists, the motor is stuck. Contact the manufacturer. There are no user serviceable parts.



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