

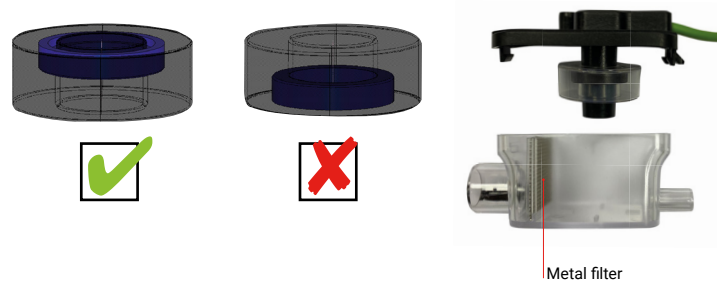


SAFETY PRECAUTIONS

- Before doing any maintenance or repair of the pump, please disconnect the pump from the power supply to avoid an electrical shock.
- Do not use pump in flammable or explosive fluids such as gasoline, fuel oil, alcohol, etc.
- Do not use in explosive atmospheres.
- Do not use to pump hot water above 104°F or 40°C.
- Do not handle pump with wet hands, or when standing on a wet or damp surface, or in water.
- To reduce the risk of electric shock, be certain that the pump is connected only to a properly grounded, grounding-type receptacle.
- Connect the pump only to the power supply specified on the name plate of the pump.
- If the power supply cord is damaged, it must be replaced by the manufacturer, its service agent, or a similarly qualified person in order to avoid a hazard.
- In any installations where property damage and/or personal injury might result in a non-operational pump, a back up system and/or alarm should be used.
- Do not twist the drain or discharge hose.
- Please note that the pump is not a submersible pump.
- Every installation or after-sales service, should be done by a qualified service technician.
- This pump is not designed to run dry. Repeated dry runs will cause the pump to fail. This pump should not run for even a 1-minute period without fluid flowing through the pump.
- This pump is for indoor use only.

SERVICE & MAINTENANCE INSTRUCTIONS

1. Before attempting to service or disassemble any component, make sure that the unit is disconnected from the power source.
2. The cleaning of the reservoir should be done every six months, usually at the beginning and the end of the air conditioning season.
3. Open the reservoir cover using the tab.
4. Clean the reservoir and float using warm water and mild soap. Replace the float in the initial position (magnet facing up) and reinstall the reservoir cover.



5. Run test procedures after service and maintenance.

TROUBLESHOOTING

PROBLEM	CORRECTIVE ACTION
The pump does not run	• Check the power supply • Check the equipment to confirm that condensate is being produced • Confirm the inlet pipe and metal filter are not clogged
The pump is loud even after the initial startup phase	• Check if the pump is making contact with any hard surfaces. If so, isolate with anti-vibration material • Make sure siphoning action is not drawing air into pump • Confirm discharge hose is not blocked, clogged, or kinked • Confirm anti-siphon valve is not too close to pump outlet connection
The pump runs but does not evacuate the condensate properly	• Confirm that the highest point of the discharge plumbing does not exceed the maximum head height of pump • Confirm the plumbing is not blocked, clogged, or kinked • Confirm that the flow rate of the pump is sufficient for the condensate generation rate

WARRANTY

All ductless pumps manufactured by or for DiversiTech® Corporation (the Company) and sold by the Company under the Asurity or DiversiTech brand are warranted to be free of defects in workmanship and materials for a period of 36 months from date of sale from the distributor to the contractor. The Company will credit, repair or replace, at its option, any pump if deemed defective within this time period. All products returned to the Company must include a return authorization issued by the Company. The returned product should be suitably packaged and shipped prepaid from the point of shipment to the point designated in the Company's return authorization.

This warranty is a limited warranty and shall be in lieu of any other warranties expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose. There are no other warranties that extend beyond the description of the face hereof. The liability of the Company arising out of its supply of said products, or their use shall not in any case exceed the cost of correcting defects in the products as set forth above. The Company shall not be liable for any costs or damage incurred by its customers in the removal or replacement of defective products from units in which the products have been assembled. In no event shall the company be liable for loss of profits, indirect, consequential, or incidental damages.



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Duluth, GA
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Condensate Pump Ductless

Standard Applications
Model: QUIETMINI-I

Installation Instructions

CONDENSATE MANAGEMENT

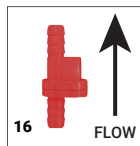
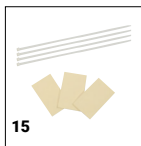
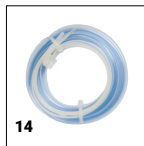
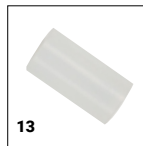
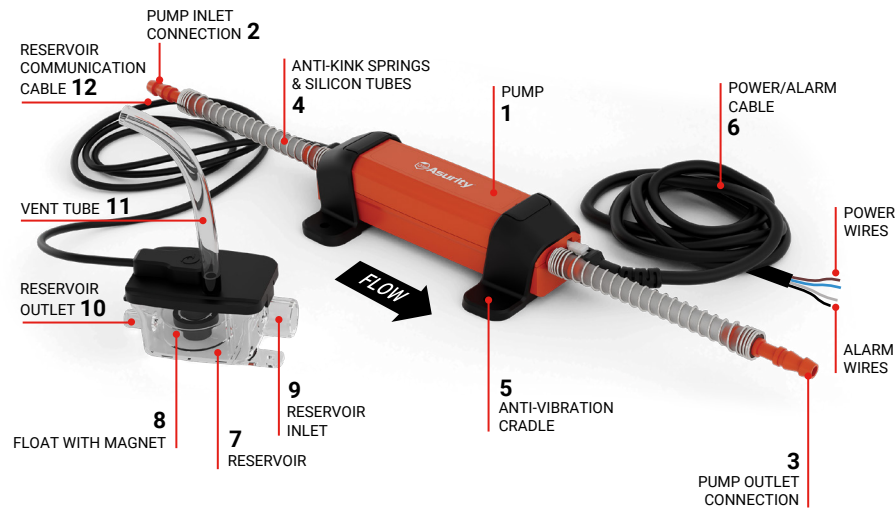


ASURITY®

The Asurity® QUIETMINI-I Condensate Pump is an ultra-quiet solution for removing condensate from ductless mini-split air conditioners up to 2 tons (7kW) of cooling capacity. Designed for installation inside or adjacent to the indoor unit, this sleek, compact pump utilizes advanced quiet piston technology to ensure silent operation making it ideal for noise-sensitive spaces like hotels, theatres, bedrooms, and meeting rooms.

The QUIETMINI-I features a reservoir to collect condensate from the unit's primary drain pan, activating the pump via an internal magnetic float switch. For added safety, an integrated overflow prevention system triggers to open a set of dry contacts if a high water level is detected, allowing the connected air conditioner to shut down to prevent potential water damage. This pump offers easy installation, low-maintenance operation, and dependable performance for quiet, worry-free condensate management.

FEATURES AND COMPONENTS

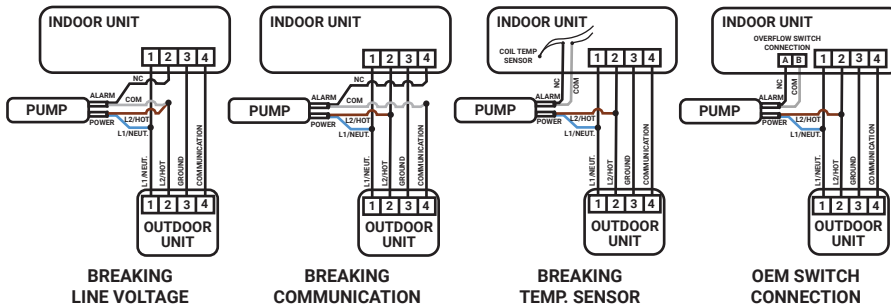


INSTALLATION GUIDE

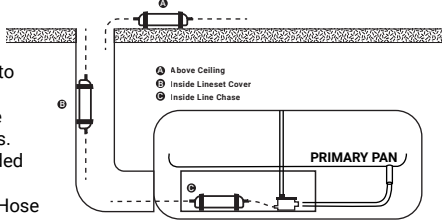
- Begin assembly of components by installing silicon Inlet and Outlet Tubes (4) with Anti-kink Springs and Barbed Couplings (2 & 3) on to Pump (1) connections.
IMPORTANT: Utilization of silicon Tubes (with springs) and Rubber Cradles is recommended for noise reduction. Install the optional vibration-damping Rubber Cradles (5) on to Pump (1) body before plumbing connections are made.
- Choose suitable placement locations for the Pump (1) and Reservoir (7) components.
IMPORTANT: Reservoir to be securely mounted to a level surface with vent tube reaching a height above the primary pan's max water level. Ensure supplied cables reach the necessary connections.
- Secure the Reservoir (7) with supplied double-sided tape or field-supplied screws and connect to the primary pan drain with the included 5/8" ID Inlet Hose (13) connector.
IMPORTANT: Reservoir must be installed securely and level for proper function of pump and safety features.
- Install Reservoir Vent Tube (11) and secure with supplied cable tie or field-supplied hose clamp.
- Secure the Pump (1) with supplied double-sided tape or field-supplied screws or cable ties. Ensure flow orientation as noted by on pump body is correct and consider measures to isolate pump vibration and prevent noise from pump contact with adjacent objects.
NOTE: Physical orientation of pump body is not important, only flow orientation.
- Make plumbing connection between Reservoir Outlet (10) and Pump Inlet (2) with supplied Tubing (14) or field-supplied alternate. Secure connections with supplied cable ties or field-supplied hose clamps.
IMPORTANT: It is recommended to prime the tubing between the Reservoir (6) and Pump (1) with water prior to first run.
- Connect Reservoir Communication Cable (12) to the inlet side of Pump Body (1).
- Connect discharge tubing to Pump Outlet Connection (3) and route to appropriate drain location.
IMPORTANT: For installations where the discharge tube terminates at a lower elevation than the reservoir, the Anti-siphon Valve (16) should be installed. This valve is to be installed at least 10 inches [250mm] downstream from the pump and at the reservoir elevation or above. (see graphic)
- Route the Power Cable (6) between the Pump (1) and electrical terminal location.
IMPORTANT: Ensure power source meets pump voltage, current, and frequency requirements.
- Make electrical connections according to the diagram below. Connect the pump power connections to a constant source of power.

WARNING: All wiring is to be done by a qualified service technician who has assessed the set-up of the individual air conditioning unit.

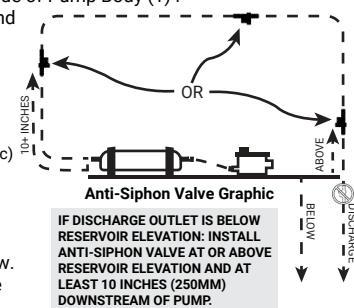
IMPORTANT: Only connect alarm circuit according to the equipment manufacturer's recommendation.



- Finally connect the Power Cable (6) connector to the Pump (1).
- Once all installation steps have been completed, test the function of the pump and safety circuit by following the Testing Steps.



Typical placement options



TESTING

- After the installation, test the pump operation 2-3 times by pouring water slowly into the drain pan of air conditioner.
- Check if there is any water leakage or siphoning action.
- The pump may run loudly for the initial startup phase only (usually for the first 1-5 runs of pumping operation). This is normal operation as the pump evacuates all remaining air from the system.
- After confirming the pump is evacuating the condensate properly, test that the high-water alarm state properly shuts the equipment down. This can be accomplished by pouring water in faster than it is pumped out, raising the float to alarm level, or by opening the reservoir and manually raising the float to the top.

SPECIFICATIONS

Max A/C Equipment Size	24,000 BTU/hr [7 kW]
Power Supply	100-240 VAC (60 Hz)
Safety Switch Rating	3 A MAX (110-240 VAC)
Max. Suction Head	8.2 ft [2.5 m]
Max. Discharge Head	26 ft [8 m]
Flow Rate at 0 Head	4.23 GPH [16 LPH]
Fluid Temp Rating	33 - 104°F [1 - 40°C]
Max Pumping Duty Cycle	5 min ON / 1 min OFF [80%]
Dry Run Rating	Less than 1 minute
Outlet Tubing Size	1/4 in. [6 mm]
Pump Dimensions (LxWxH)	6.6 x 2.9 x 1.7in [77 x 43 x 40mm]
Reservoir Dimensions (LxWxH)	3.0 x 1.7 x 1.6in [77 x 43 x 40mm]

PUMP PERFORMANCE

Head Height	0 ft [0 m]	13 ft [4 m]	20 ft [6 m]	26 ft [8 m]
GPH	4.23	2.38	1.59	1.06
LPH	16	9	6	4

RESERVOIR OPERATION

