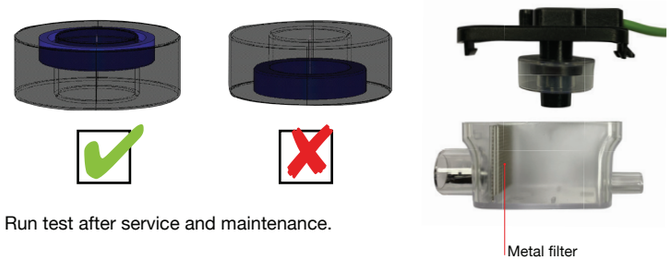
SAFETY INFORMATION

Please read the instructions carefully before attempting to install, operate or service the pump. Failure to comply with instructions could result in personal injury and/or property damage.

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 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 the 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 after service and maintenance.

TROUBLESHOOTING

PROBLEM	CORRECTIVE ACTION
The unit does not run.	• Check the power supply. • Check the air conditioner to see if condensation is being produced. • Make sure the inlet pipe and metal filter are not clogged.
The unit makes loud noises even after the first dry-running phase.	• Check if the pump is in contact with any hard surfaces. If it is, anti-vibration materials should be positioned between the pump and the hard surface. • Make sure there is no siphoning action. • Check that outlet hose is not blocked.
The unit runs but does not pump the liquid out properly.	• Check the highest point of the discharge piping does not exceed the maximum delivery head of the pump. • Check to make sure no pipes are clogged or twisted. • Check that the flow rate of the pump is sufficient for the condensation volume of the air conditioner.

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 24 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.

Asurity

Duluth, GA
800.995.2222
0722.10

Asurity

Condensate Pump Ductless

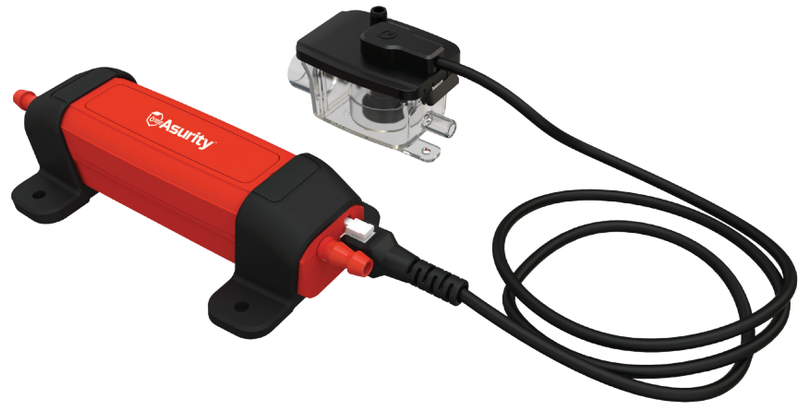
Standard Applications

Model: QUIETMINI-I

Installation Instructions

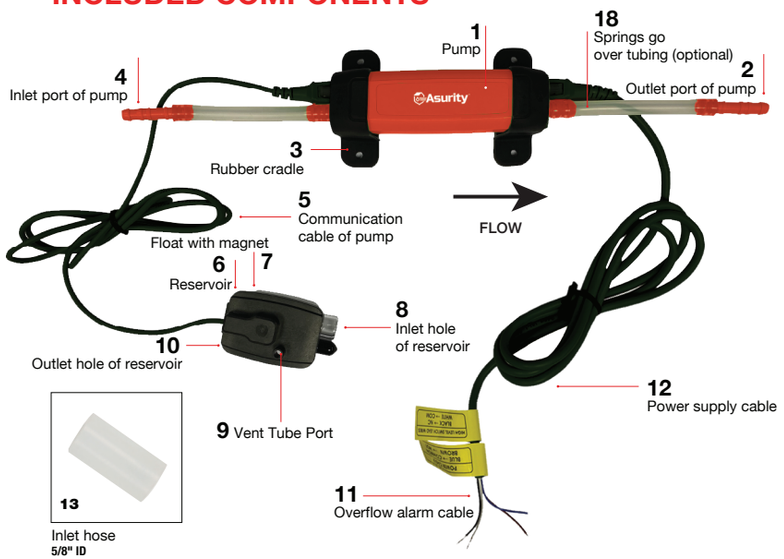
CONDENSATE MANAGEMENT

DiversiTech



QUIETMINI-I is designed to automatically remove the condensate produced by air conditioners of a maximum 2 ton [7kW] ton cooling capacity.

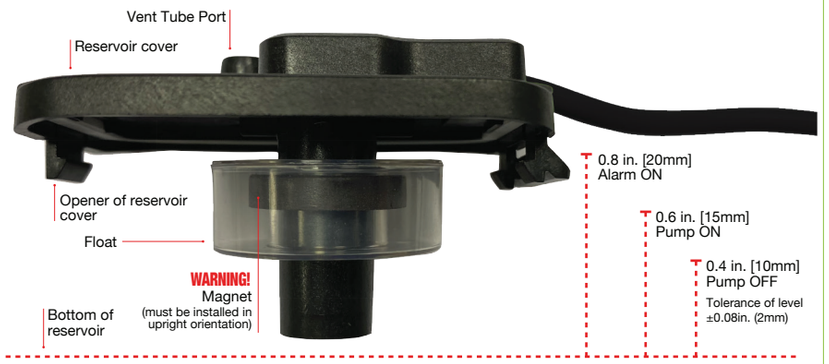
INCLUDED COMPONENTS



SPECIFICATIONS

ITEM	SPECIFICATION	ITEM	SPECIFICATION
Use with	Air conditioner (Max. 24,000 BTU/hr [7kW])	**Fluid**	33 - 104°F [1 - 40°C]
Power supply	100-240V 60Hz	**Non-continuously rated operating time**	5 min. on / 1 min. off
Electrical output	9W at 120V, 30W at 230V	**Thermal protection**	212°F [100°C]
Safety switch contacts	Max. 3A 110 VAC or Max. 3A 240VAC	**Working without fluid coming though the pump**	Less than 1 min. only available
Max. suction head	8.2ft [2.5m]	**Pump Size (L x W x H)**	6.6 x 2.9 x 1.7in [167 x 74 x 43mm]
Max. discharge rate	26ft [8m]	**Reservoir Size (L x W x H)**	3.0 x 1.7 x 1.6in [77 x 43 x 40mm]
Max. flow rate at zero head	4.23 GPH [16 LPH]	**Effective capacity of reservoir**	1.2 fl oz [35mL]

LEVEL SENSOR OPERATION



FLOW RATES AT EACH HEAD HEIGHT

Head Height:	0 ft. / 0m	13 ft. / 4m	20 ft. / 6m	26 ft. / 8m
Flow Rate [gal/h]:	4.23	2.38	1.59	1.06
Flow Rate [liters/h]:	16	9	6	4

WARNING

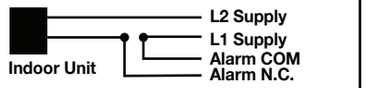
- Before doing any maintenance or repair of the pump, please disconnect the pump from the power supply to avoid an electrical shock.
- Do not use pump in flammable or explosive fluids such as gasoline, fuel oil, alcohol, etc.
- Do not use in explosive atmospheres.
- Do not use pump in hot water over 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.

INSTALLATION GUIDE

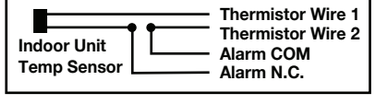
1. Carefully unpack the unit and check for damage. Make sure that all the required parts are included. The units are thoroughly tested before packing to ensure safe delivery and operation. If there is any sign of damage due to shipment, return it to the place of purchase for replacement.
2. Select a suitable mounting location for the Pump (1) and Reservoir (6).
3. Connect the inlet hose (13) to the drain hose of the air conditioner. Then connect the other end to the inlet hole of reservoir (8).
4. Connect the vent tube (15) to the vent tube port (9) on the reservoir cover. Vent tube must reach an elevation above the condensate pan.
   IMPORTANT! The vent hole and vent tube must NOT be pinched, plugged, or blocked!
5. Mount the reservoir (6) on a solid surface using the double-sided adhesive pad.
   IMPORTANT! The reservoir (6) must be mounted horizontally and level!
6. Assemble pump (1) with inlet and outlet tubes (4)(2). Recommended: Optionally install anti-kink springs (18) over inlet and outlet tubing to improve reliability. Also optionally attach the rubber cradles (3) onto each side of the pump (1) to dampen vibrations and noise.
7. Connect the outlet port of reservoir (10) to the inlet port of pump (4) with a section of the connection hose (14).
   IMPORTANT! It is recommended to prime tubing between reservoir and pump prior to running, especially if the pump (1) is at a higher elevation than the reservoir (6).
8. Mount pump with screws via Rubber Cradles (3). Or, simply attach double-sided adhesive pad (16) to the bottom of pump (1). Mount the pump in a suitable location. If needed, use the cable ties (16) to fasten the pump.
   NOTE: The double-sided adhesive pad (16) between the pump (1) and any hard surfaces helps to reduce vibration noise.
9. Connect field supplied 1/4" ID discharge hose or remainder of supplied item (14) to the outlet port (2) of pump and extend the discharge hose to an appropriate drain.
   For installations where the discharge tubing terminates below the elevation of the pump or reservoir, install the included anti-siphon device (17) in-line with the discharge tubing within 3 feet of the pump. This will prevent the pump from losing its prime due to siphoning.
   WARNING! Make sure that the entire hose is not pinched, plugged, blocked, or twisted or pump may not function. Also check for siphoning, when pump is not energized, once discharge tubing is completely full.
10. Connect the high-level alarm wires (COM and NC) (11) as shown below to prevent continued condensate production in the event of a plumbing blockage or component failure.
    WARNING! All wiring is to be done by a qualified service technician who has assessed the set-up of the individual air conditioning unit.
11. Make sure that the power source voltage matches the pump's requirement. Connect the power supply cable (12) to a constant source of power (not a fan or other device that has intermittent supply voltage).
12. When all the above tasks are done, please perform testing to ensure proper function. (see below).

HIGH LEVEL ALARM CONNECTION

OPTION 1: CUT POWER TO INDOOR UNIT



OPTION 2: DISCONNECT THERMISTOR



TESTING

- **After installation, test the pump's operation 2-3 times by pouring water slowly into the drain pan of air conditioner until pump cycles.**
- **Check if there are any water leaks or siphoning occurring and correct as needed.**
  NOTE: There may be slight clicking noises for the initial start-up phase (usually for the first 1-5 runs of pumping operation). This is normal.