

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.	<ul style="list-style-type: none"><li>• Check the power supply.</li><li>• Check the air conditioner to see if condensation is being produced.</li><li>• Make sure the inlet pipe and metal filter are not clogged.</li></ul>
The unit makes loud noises even after the first dry-running phase.	<ul style="list-style-type: none"><li>• 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.</li><li>• Make sure there is no siphoning action.</li><li>• Check that outlet hose is not blocked.</li></ul>
The unit runs but does not pump the liquid out properly.	<ul style="list-style-type: none"><li>• Check the highest point of the discharge piping does not exceed the maximum delivery head of the pump.</li><li>• Check to make sure no pipes are clogged or twisted.</li><li>• Check that the flow rate of the pump is sufficient for the condensation volume of the air conditioner.</li></ul>

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.



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Condensate Pump Ductless

Standard Applications  
Model: QUIETMINI-I

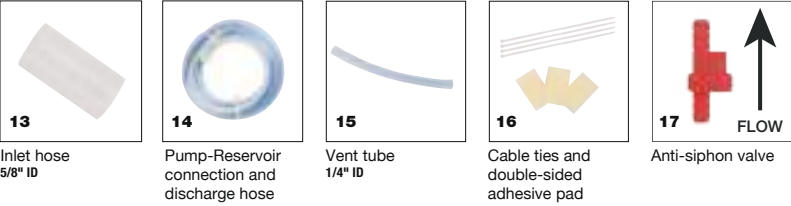
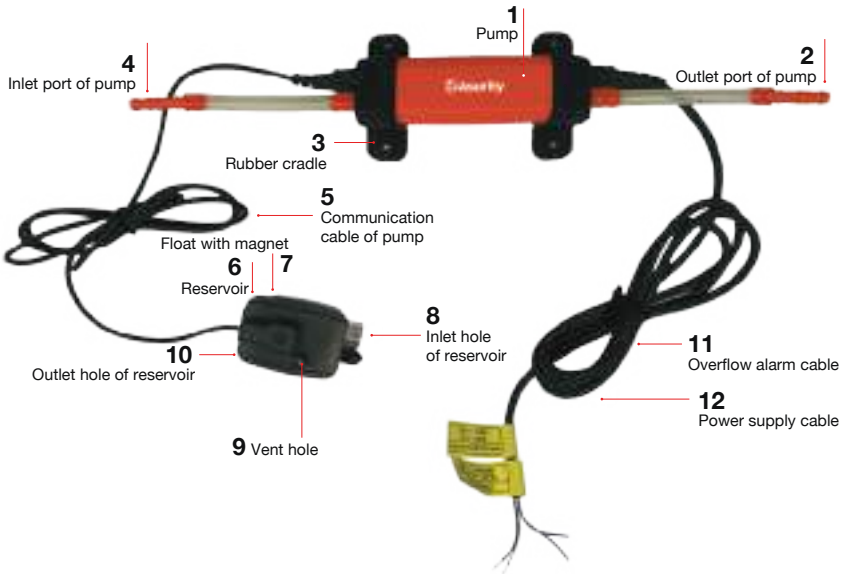
Installation Instructions

CONDENSATE MANAGEMENT



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

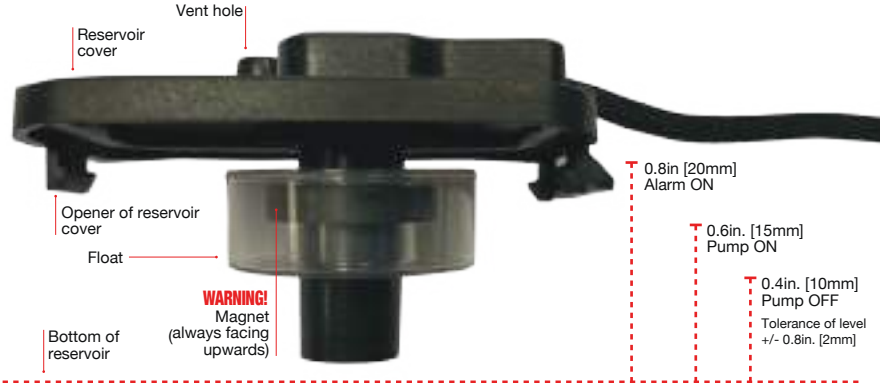
NAME OF EACH COMPONENT



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

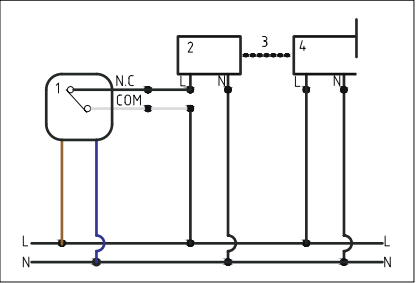
Head	0ft / 0m	13ft / 4m	20ft / 6m	26ft / 8m
gal / h	4.23	2.38	1.59	1.06
l / h	16	9	6	4

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 of 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.
3. Connect the inlet hose (13) to the drain hose of air conditioner. Connect the other end of inlet hose (13) to the inlet hole of reservoir (8).
4. Connect the vent tube (15) to the vent hole on the reservoir cover (9).
- WARNING!** The vent hole and vent tube should NOT be clogged!
5. Mount the reservoir (6) on a solid surface using the double-sided adhesive pad.
- WARNING!** The reservoir (6) mounted horizontally and level!
6. Connect the outlet hole of reservoir (10) the inlet port of pump (4) connection hose (14).
7. Attach the double-sided adhesive pad (16) on the bottom of pump. Mount the pump (1) in a suitable location. If needed, use the cable ties (16) to fasten the pump.
- WARNING!** Attach the double-sided adhesive pad (16) between the pump (1) and any hard surfaces to reduce vibration noise.
8. Connect the overflow alarm cable (COM and NC) (11) into cooling signal wire of the air conditioner indoor unit, to avoid the continued operation of the air conditioning unit in the event of pipework blockage or pump failure.
- WARNING!** All wiring to be done by qualified service technicians, who have assessed the set-up of the individual air conditioning unit.
9. Connect your 1/4" ID discharge hose (14) to the outlet port of pump (2) and extend the discharge hose to an appropriate drain. The included anti-siphon device (17) may also be attached to prevent any siphoning from the pump.
- WARNING!** Make sure that every connection hose is not clogged or twisted.
10. Make sure that the power source voltage matches with the pump's requirement. Connect the power supply cable (12) to a constant source of power (not a fan or other device that runs intermittently).
- WARNING!** Do NOT connect or link the air conditioner's power cable directly to the power supply cable of the pump (12).
11. When all the above tasks are done, please perform a test (see below).
12. OPTIONAL: Attach the Rubber Cradles (3) onto each side of the pump (1) to reduce vibrations and noise. The inlet port (4), outlet port (2), the power cable (12) and reservoir cable may need to be disconnected before slipping over rubber cradles.



- 1. PUMP UNIT
  - 2. INDOOR UNIT
  - 3. INTERCONNECTING CABLE
  - 4. OUTDOOR UNIT
- (L) LIVE/HOT : Brown  
(N) NEUTRAL/COMMON : Blue  
(N.C) NORMALLY CLOSED : Black  
(COM) COMMON : White

TESTING

- After the installation, test pump's 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.
- There will be clicking noises for the initial start up phase only (usually for the first 1-5 runs of pumping operation). This is normal operation.