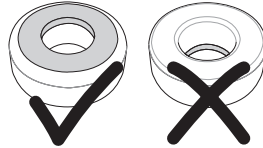


Servicing

- This Pump, like all mechanical equipment, requires maintenance.
- Every six months the reservoir should be removed, taking care to clean the filter, float and reservoir thoroughly. We recommend this is done in the Spring and the Autumn, using an anti-bacterial wash.
- Take great care to replace the reservoir horizontally, with the float magnet facing upwards.



Troubleshooting

Fault: The Pump runs all the time.

1. Is the float positioned with the magnet uppermost?
2. Is the reservoir lid (sensor) located firmly onto the reservoir, with the float located inside the reservoir, around the sensor column?
3. Is there any sludge inside the reservoir, preventing the float from resting on the bottom? (This may be the case if the pump has been in operation for some time. Clean using an anti-bacterial wash).
4. Is the pump overwhelmed with the volume of condensation? (If so, a larger pump is required).

Please note:

- After installation and during operation, if you notice air in the pipe between the reservoir and the pump, you have a siphoning problem (see page 3).
- The pump will only switch off when the float is resting flat on the bottom of the reservoir.

Fault: The Pump stops and starts, and makes a loud noise.

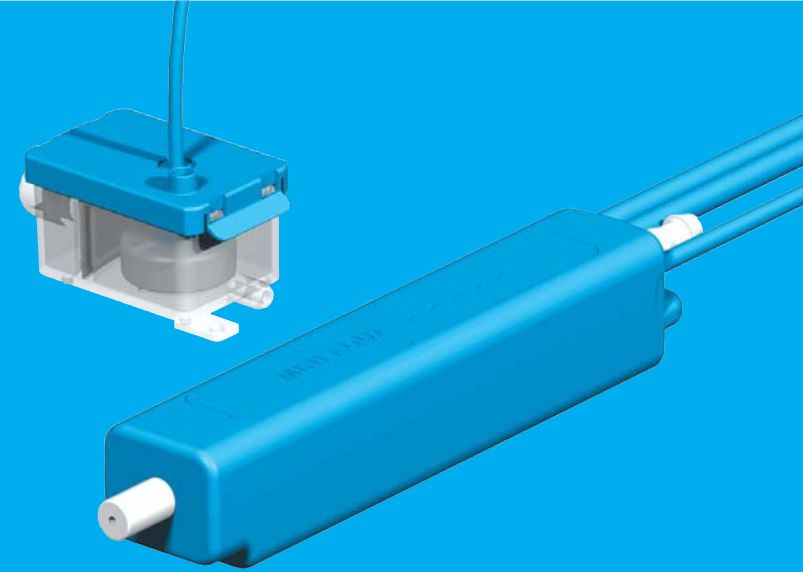
1. The water is siphoning back through the pump. Follow advice on page 3 to prevent back siphoning.

Fault: The Pump runs but does not pump any water.

1. Are there any air-leaks in the pipe between the reservoir and the pump? (Use cable ties to ensure an airtight seal).
2. Are the reservoir and the inlet tube free from sludge and debris?

Fault: The Pump isn't operating at all.

1. Is power reaching the pump? Is it correctly wired? Is the voltage correct?
2. Is the pump very hot? A thermal cut-out may have been activated, which will reset automatically once the pump has cooled down.



mini aqua pump

INSTRUCTION GUIDE



- Designed to be installed within wall-mounted evaporators or in the plastic conduit

- Quick and easy to install

- The Mini Aqua will quietly and reliably pump condensation water to a maximum height of 8 metres

Thank you for buying your new Mini Aqua Pump.

This manual gives instructions on the correct installation, so it is important that you follow these instructions carefully. Please record the following information for your future reference:

Serial No.:

Date installed:

Location of pump:

Aspen Pumps Limited, Apex Way, Hailsham, East Sussex, BN27 3WA, UK

Email: sales@aspenspumps.com Web: www.aspenpumps.com

Tel: +44 (0) 1323 848 842 Fax: +44 (0) 1323 848 847

sales@aspenspumps.com

www.aspenpumps.com

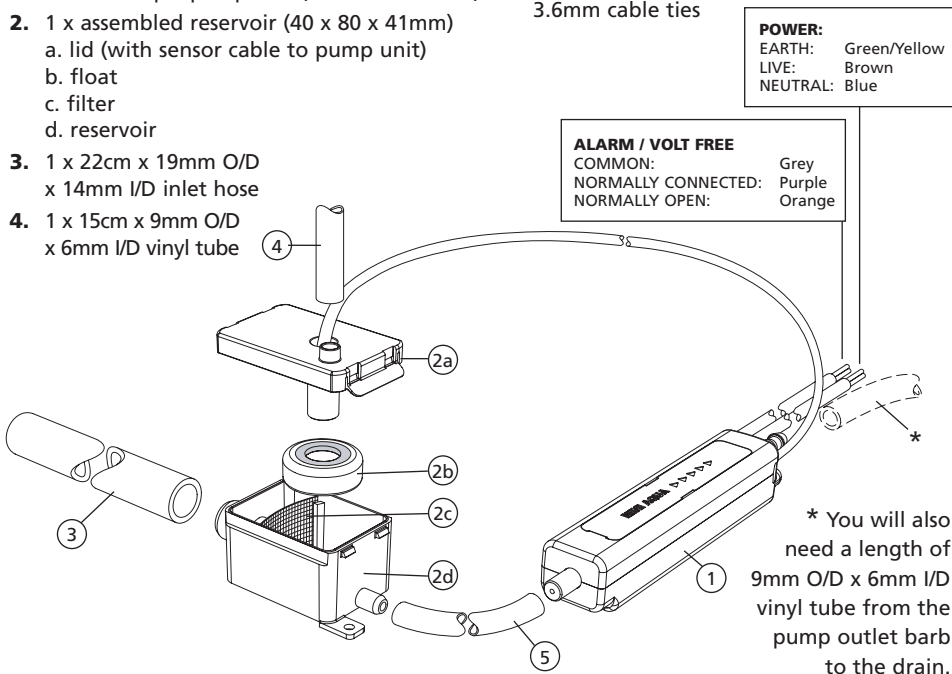
Technical Data

- Power supply 220-240V AC < 15W
Alternative voltages available
- 1PH 50/60 Hz
- 3A volt-free alarm wires,
N.O., N.C. contacts rated
@ 5A inductive at 220-240V AC
- Non-continuously rated - operating time:
5 mins on/5 mins off
- Hall effect semi conductor level sensors
- Water flow rate: 14 litres per hr
at zero head (non-continuously rated)
- Maximum water temperature: 40°C
- Maximum recommended head: 8 metres
- 21dB(A) @ 1 metre
- Gravity inlet
- Suction lift: 1 metre
- Discharge tube: 6mm I/D
- CE marked
- Thermally protected pump
- Fully potted

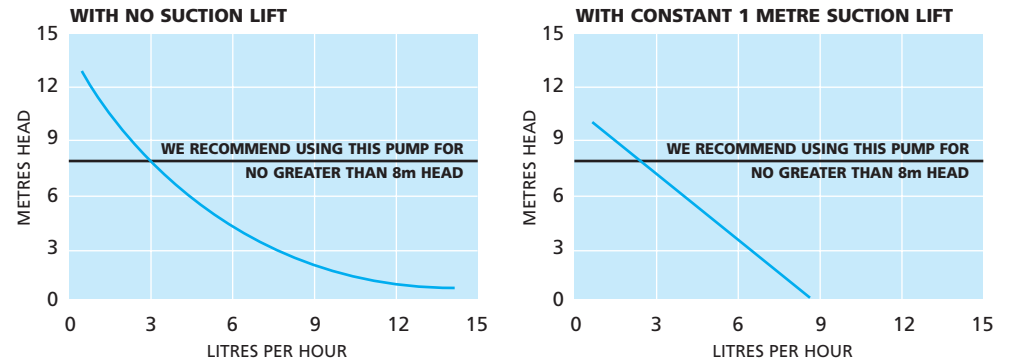
In the box

Remove the pump from its packaging and check that you have all the following items provided in the box:

- 1 x Mini Aqua pump unit (165 x 28 x 28mm)
- 1 x assembled reservoir (40 x 80 x 41mm)
 - lid (with sensor cable to pump unit)
 - float
 - filter
 - reservoir
- 1 x 22cm x 19mm O/D
x 14mm I/D inlet hose
- 1 x 15cm x 9mm O/D
x 6mm I/D vinyl tube
- 1 x 1.5m x 9mm O/D x 6mm I/D vinyl tube
- 2 x 20mm x 50mm self-adhesive velcro
- 4 x 300mm x 3.6mm cable ties
- 2 x 140mm x
3.6mm cable ties



Typical Performance

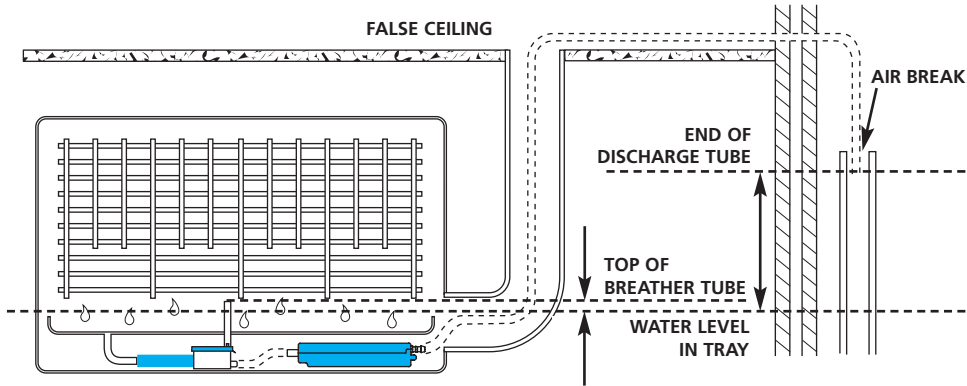


Product Safety

- **CAUTION:** The Mini Aqua Pump has been evaluated for use with water only.
- **WARNING:** Risk of electric shock - this pump has not been investigated for use in swimming pool or marine areas.
- The means for isolation must be incorporated in the fixed wiring in accordance with wiring regulations.
- Ensure the pump is disconnected from the mains supply before carrying out any adjustments or servicing.
- The supply cord cannot be replaced. If the cord is damaged the appliance should be scrapped.
- Always ensure the metal magnet in the float is facing upwards.
- Always ensure the reservoir is sitting flat and horizontal.
- The pump is ideal for most working and living environments. It is not recommended where the environment is oily or particularly dusty.
- Acceptable for indoor use only.
- Non-submersible pump.

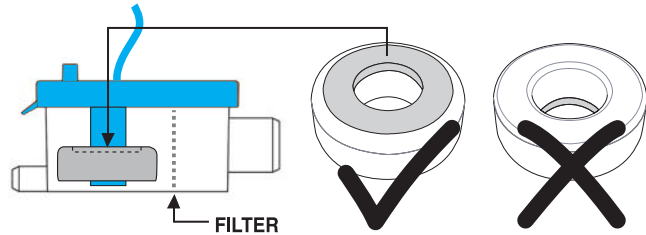
Preventing Siphoning advice

- Cut discharge tube above water level of evaporator tray and direct end into large pipe, allowing air break.

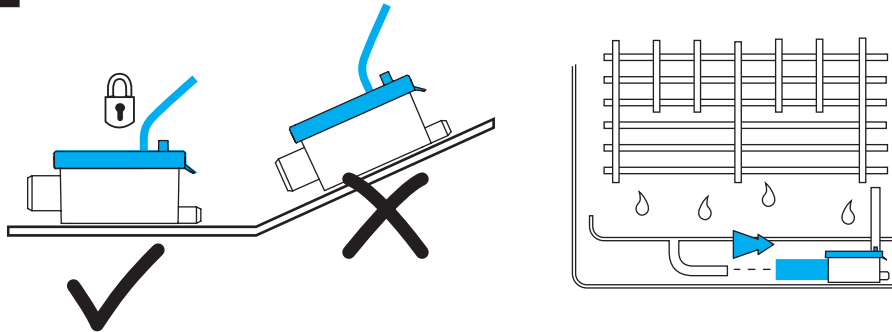


Installation

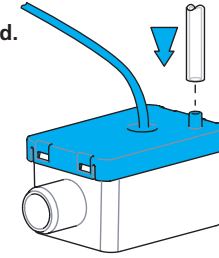
- 1 Ensure float is positioned in reservoir with magnet uppermost, the filter is in place and the lid is clipped firmly onto reservoir.



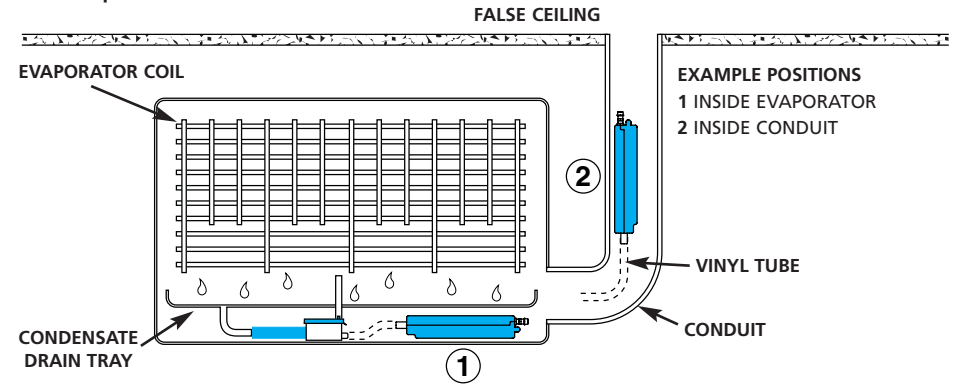
- 2 Secure reservoir horizontally and using the inlet hose, connect firmly to drainage pipe.



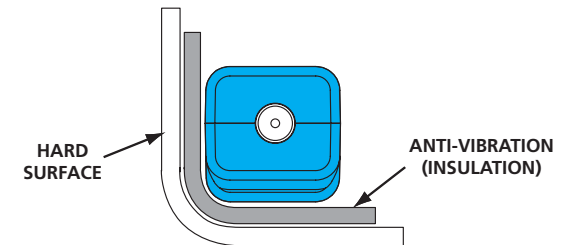
- 3 Fit breather tube to reservoir lid. 15cm x 9mm o/d x 6mm i/d vinyl tube



- 4 Install pump drive unit in the evaporator unit under the condensate drain tray, or inside the plastic conduit.



- 5 Ensure that you securely position some anti-vibration material between the Mini Aqua pump unit and any hard surfaces (inside evaporator or conduit).

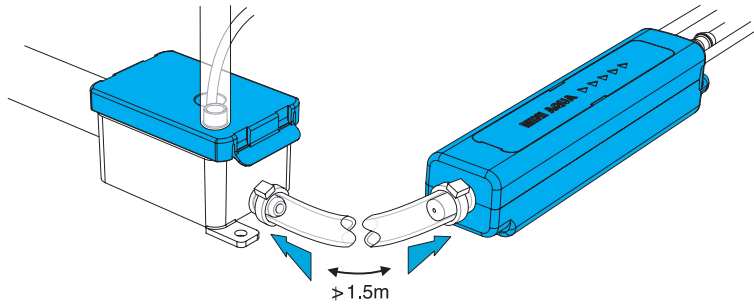


- 6 Note direction of water flow.

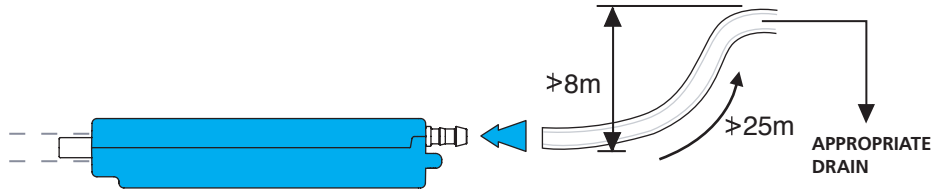


Installation

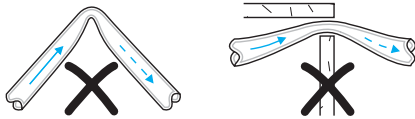
- 7** Push the 9mm o/d x 6mm i/d tube onto the reservoir and the pump. Secure with cable-ties. Ensure length is under 1.5 metres.



- 8** Connect your 9mm o/d x 6mm i/d vinyl discharge tube to the outlet barb on the Mini Aqua and secure with a cable tie. Channel discharge tube to an appropriate drain.



- 9** Avoid restrictions.



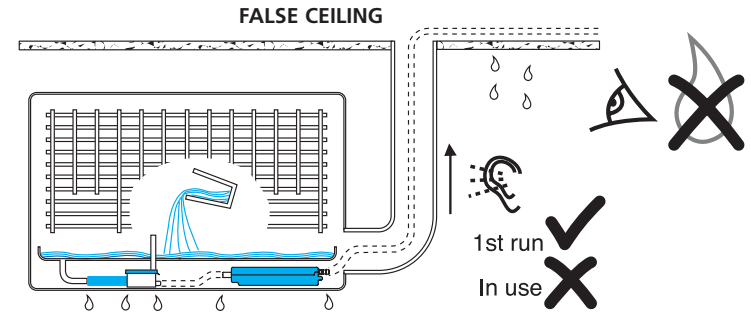
- 10** Wire the Mini Aqua Pump to the permanent Live, Neutral and Earth terminals of the Evaporator. Install a 1.0 amp in-line fuse between the Mini Aqua Pump and the Evaporator. A high-level alarm switch should be wired into the cooling signal wire, to prevent the continued operation of the Air-conditioning unit in the event of the pump failing. These are volt-free contacts and operate as follows:

COMMON AND NORMALLY CLOSED when the water rises to the alarm level the circuit opens.

COMMON AND NORMALLY OPEN when the water rises to the alarm level the circuit closes.

Installation

- 11 TEST** pump operation by pouring water into evaporator tray. Check for leaks.



Notes