

PH-2LE

Condensate Pump Installation Instructions



1VNQ)PVTF
(MBJT EBMF %SJWF &BTU
/PUUJOHIBN
/(-:
5FM

TBMFT!QVNQI DP VL
XXX QVNQI DP VL

PH-2LE Installation Instructions

FEATURES

- Fully automatic operation
- Check valve to prevent back-flow of liquid into the unit
- Overflow safety alarm switch

APPLICATION

The PH-2LE condensate pump is designed to automatically remove condensate fluid from an air conditioner.

SPECIFICATION PH-2LE

Model	PH-2LE
Max Flow	275 lph
Max Head	3.8 m
Tank Capacity	1.9 litres
Volts	230 V / 65 VA
Hz	50 Hz
Discharge Size	3/8"
High-level Alarm	Volt Free

Height	172 mm
Length	269 mm
Width	126 mm

INSTALLATION

1. Carefully unpack the unit, check for damage and make sure that all of the required parts are included. The units are thoroughly tested before packaging to ensure safe delivery and operation. If there is any sign of damage due to shipment, return it to the place of purchase for repair or replacement.
2. Choose a mounting location near the air-conditioner. The pump must be mounted level and the inlet must be below the lowest drain.

CONNECTING THE PIPING

1. Run flexible tubing or pipe from the a/c condensate drain to the inlet hole on the pump. This drain line should have a continuous downward slope to allow gravity flow. Cut the end of the line at an angle so the end does not close off on the bottom of the pump's tank.
2. Connect the discharge line by hand. A flexible tubing with an internal diameter of 3/8" will be suitable. Extend the discharge line straight up from the pump to the highest point, run the discharge line to a drain with a downward slope.

For further installation advice please call the technical support helpline on +44(0)115 900 5858.

PH-2LE Installation Instructions

CONNECTING THE PIPING

For best results, the drain should be below or approx. level with the bottom of the pump tank. If it is not possible to slope the line downward, make an inverted “U” trap at the highest point of the discharge line above the pump.

WIRING

Shut off electrical power at the fuse box before making any wiring connections. All wiring must be done according to local and/or applicable national codes.

1. Main power: Connect the power cord to a constant line voltage source, not a fan or other device that may run intermittently.
2. Overflow alarm switch: The pump is equipped with an overflow alarm switch (NC) that switches off the air conditioner in the event of pump failure. Max power rating is limited to 3VA. In cases where cooling requirements are a necessity, the alarm switch may trigger an optional or acoustic signal emitter.
3. If fused plug is used, a 3 amp fuse is recommended.

TESTING

1. With the unit plugged in and the discharge line in place, pour water into the pump reservoir until the unit activates to verify the unit works properly.
2. To test the overflow alarm circuit :
 - Energise the appliance so it runs.
 - Kink the tube coming from the pump discharge, or unplug the power cord, so it cannot pump out.
 - Pour water into the pump reservoir, filling it completely
 - As the water level nears the top of the unit the overflow alarm should activate (e.g. triggering an alarm circuit, if used).
 - Un-kink the tube, or plug the cord in, and allow the pump to empty the tank. As the water level goes down the overflow safety switch will deactivate and the appliance will energise again (or the alarm will reset)

MAINTENANCE

1. Before attempting to service or remove any component, make sure that the unit is disconnected from the power source, including the overflow switch
2. Unfasten the check valve with a spanner. Clean the check valve and verify it is operation.
3. Disassemble the cover and water tank from the main plate.
4. Be sure the floats move freely. Clean as necessary.
5. Clean the tank with warm water and mild soap.
6. Check the inlet and outlet piping. Clean as necessary. Be sure there are no kinks in the line that would inhibit flow.
7. After the servicing, assemble the unit by the reverse order.
8. To re-install the check valve, fasten it manually and tighten with a wrench.
9. In case of a long-term break, remove water from the hose and the water tank.

For further installation advice please call the technical support helpline on +44(0)115 900 5858.

PH-2LE Installation Instructions

TROUBLESHOOTING

If the pump does not function properly, refer to the following:

1. Unit does not run:
 - Check the power supply.
 - Check the appliance to see if condensation is actually being generated.
 - Check to make sure the pump float mechanism moves freely and clicks the activation switch when moved up and down.
 - Check the drain line(s) into the pump for obstructions. Note: If these lines are clogged and remain clogged, the appliance may eventually be damaged.
2. Pump makes loud noise when running:
 - Check the tank for debris and clean if necessary. Refer to the maintenance section for cleaning instructions.
3. Unit runs but does not pump liquid out:
 - Check the floats to be sure that they are not stuck in the up position.
 - Check the height of the discharge tubing to be sure it does not exceed the allowed head (see specifications)
 - Check the discharge tube for obstructions and clear if needed.
 - Check the check valve for obstructions. Refer to the maintenance section for cleaning instructions.
4. Liquid drains back into pump from discharge line:
 - Check valve may have debris in it. Refer to the maintenance section for cleaning instructions.
 - If the discharge line is plumbed so the highest point is less than 1m above the pump, the check valve may allow liquid to drain out of the line. This is normal and will not damage the pump.
5. Liquid leaks from around the check valve
 - If the check valve is too tight or too loose it may leak around the O-ring.
 - If the O-ring under the check valve is damaged, replace with a new one or purchase a replacement check valve, which includes an O-ring.

WARRANTY

This pump offers a 1 year warranty. This warranty covers all parts with material or manufacturing faults. The buyer's only remedy is the replacement or repair of the defective parts. In no case can labour costs and any consequential damage be cited as a basis for a complaint. Any returned units must be complete and must be accompanied by a written list of the defects ascertained.

We are unable to accept any liability in case of nonconforming installation or noncompliance with the specifications or maintenance recommendations.

CONFORMITY



All data contained in these specifications are solely intended to describe the product and do not constitute warranted characteristics in the legal sense. Subject to technical change

For further installation advice please call the technical support helpline on +44(0)115 900 5858.