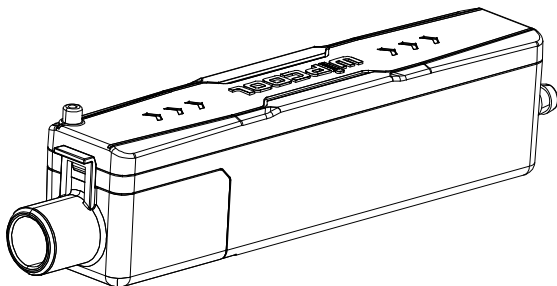


# **WIIPCOOL®**

**IDEAL PRODUCTS FOR HVAC**



## **P22i**

### **Condensate Pump**

-Operation Manual-

## 1. Notice Before Usage

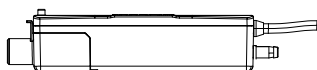
Thank you for choose WIPCOOL condensate pump, we are dedicated to providing you with high quality products.

Please check if your ordered product is in good shipment condition with the correct accessories, any damage during transportation, please contact us or the local distributors in time.

This manual gives instructions on the correct operation, it's important that you follow this instructions carefully.

If there is any change in the product (including the specification), we won't inform you any more.

## 2. In The Box



x 1  
Pump

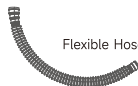
### Accessories



x 1  
35mm/1.4" length  
(6mm /1/4"/i/d)



x 1  
Anti-Siphon Device  
6mm(1/4")tubes



Flexible Hose x 1



x 2  
100 \*3mm



x 2  
300\*5mm

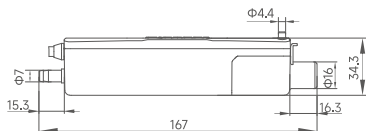


x 1  
25\*100mm



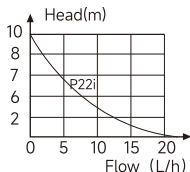
x 1

## 3. Diemensions



## 4. Technical Data

|                      |                       |
|----------------------|-----------------------|
| Model                | P22i                  |
| Voltage              | 100V-230V~ / 50-60 Hz |
| Discharge Head(max.) | 10 m (33 ft)          |
| Flow Rate(max.)      | 22 L/h (5.8 GPH)      |
| Tank Capacity        | 25 mL                 |
| Suitable             | 30,000-45,000 btu/hr  |
| Sound Level at 1m    | 16 dB(A)              |
| Ambient Temp.        | 0 °C - 50 °C          |



## 5. Safety Instructions



1. Place the tank horizontal when installing, do not tilt the pump. Check whether the level drop is centered; if there is tilt, adjust the water level before using it.



2. Do not place electrical appliances or valuables under the condensate pump to avoid loss caused by power failure or water leakage.



3. Non - professional personnel should not install it to avoid danger.



4. The condensate pump is not waterproof. Do not place it in the open air, outdoors or in a place prone to flooding.



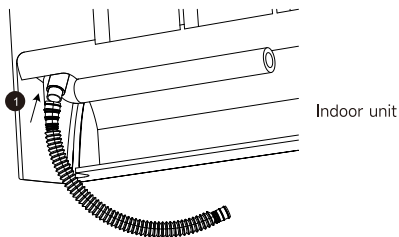
5. The condensate pump power supply needs to be independent to maintain permanent power supply. For details of connecting with air conditioning system, please refer to the wiring diagram.



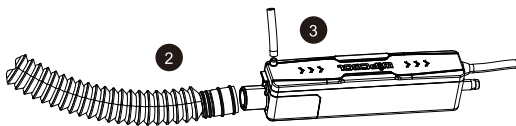
6. It is prohibited that the water inflow is bigger than our stated flow rate, which will easily cause the motor to work continuously and fail. Instant big water inflow will also cause the condensate pump fail to discharge water in time, leading to water leakage.

## 6. Installation Procedure

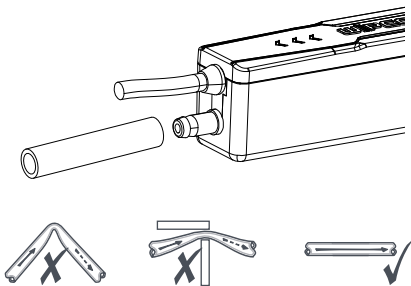
(1) Install flexible hose to drain pan outlet.



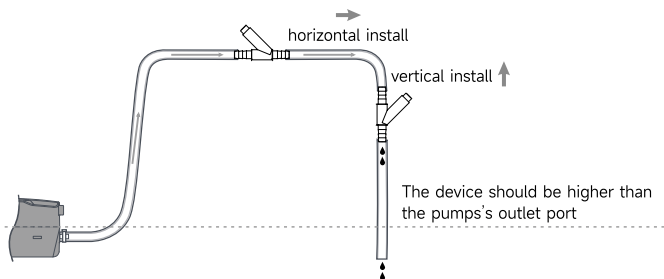
(2) Connect flexible hose to pump.



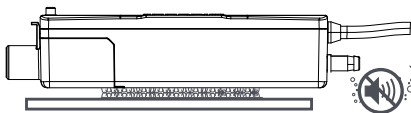
(3) Connect the 6x9 drain tube to the pump's outlet, tie the tube, make sure that the discharge head is less than 10m.



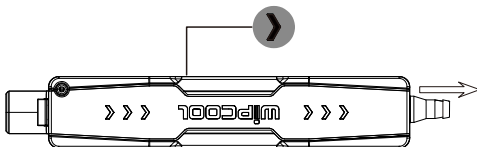
(4) Install the Anti-Siphon Device



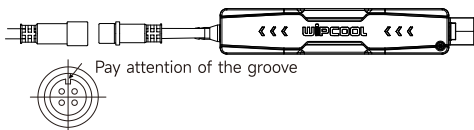
(5) Anti-vibration assembly



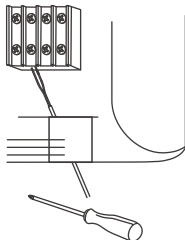
(6) Pay attention to the direction of the water flow. (as shown below)



(6) Connect the power cord, insert it in the direction of arrow on the power cord

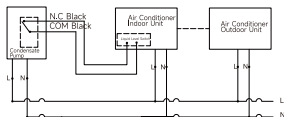


(7) Wire the installation cable to the indoor unit.

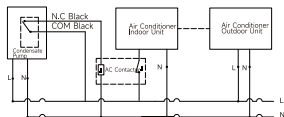


Disconnect all electrical power before starting installation, maintenance, or service work.

(8) Power supply wiring, in order to avoid leakage of condensate pump, please connect the alarm signal line and the "Normally Closed" signal terminals according to (as shown below).



If the air conditioner does not have liquid level control terminal, it can be connected to other alarm devices or refer to figure 2.



If there is no liquid level switch, it can also use an appropriate AC contactor to control the air conditioning power.

**Power cord:** (L) Live line: Brown (N) Neutral line: Blue

**Signal line:** (NC) normally closed: Black (COM) common line: Black

## WARNING

Please pay attention to distinguish the power cord from the signal line, incorrect wiring will cause damage to the condensate pump. Ensure the voltage is consistent with pump.

## 7. Troubleshooting

| Problem                  | Cause                                      | Action                                                                                                        |
|--------------------------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Pump runs all the time   | 1. Installation is not horizontal          | Adjust the tank make it level                                                                                 |
|                          | 2. There is sludge inside tank             | Clean the inside of reservoir surface                                                                         |
| Pump makes loud noise    | 1. The water is siphoning back in the pump | Check whether the outlet pipe is lower than pump thus result in siphoning, raise the condensate pump position |
| Pump can't start working | 1. Installation is not horizontal          | Adjust the tank, check water level                                                                            |
|                          | 2. The power can't reach pump              | Check power supply                                                                                            |
|                          | 3. The voltage isn't correct               | Check the voltage                                                                                             |

Note: Proper use and maintenance can improve the life of pump. We suggest to check and clean the condensate pump before seasons changing or next year using.