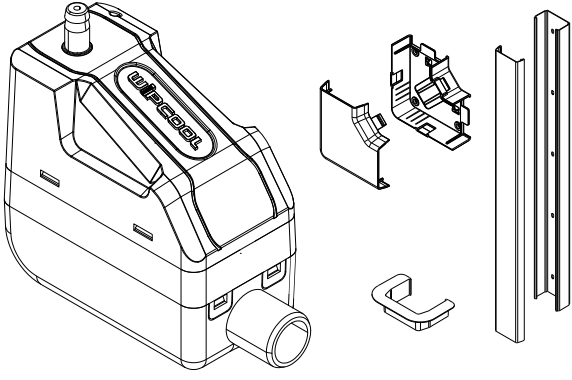
WIPCOOL®

IDEAL PRODUCTS FOR HVAC

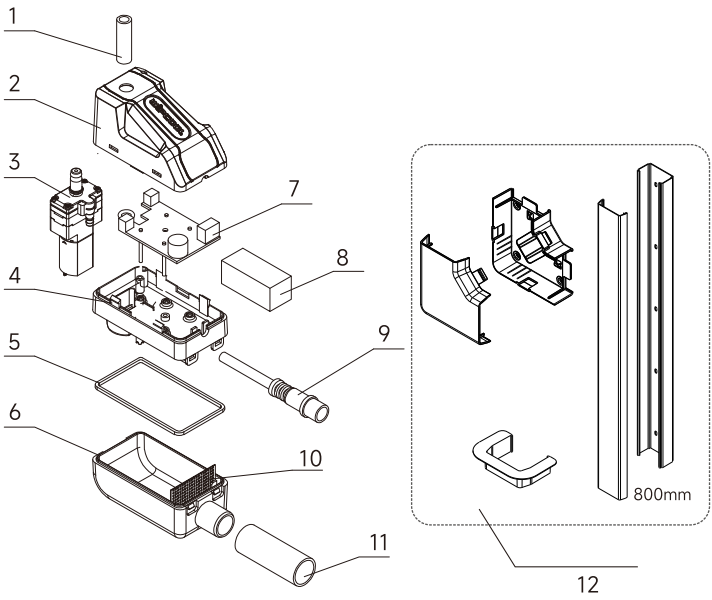


P12C/P12CT

Condensate Pump

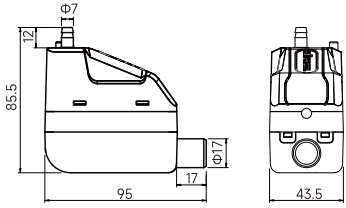
-Operation Manual-

1.1 P12C/P12CT



No.	Part Name	No.	Part Name	No.	Part Name
1	Outlet port	5	Sealing ring	9	Four-core power cord
2	Upper cover	6	Tank	10	Filter net
3	Pump	7	Control panel	11	Water inlet pipe
4	Intermediate plate	8	Power module	12	Duct Trunking**(P12CT)**

2. Dimension

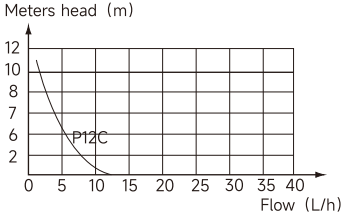


3. Technical Data

Model	P12C
Voltage	100V-230V~/50-60Hz
Discharge Head(max.)	7m(23ft)
Flow Rate(max.)	12 L/h(3.2GPH)
Tank Capacity	45 ml
Mini splits up to	30,000 btu/hr
Sound Level at 1m	19 dB(A)
Ambient Temp.	0°C ~ 50°C

- Rated: Non Continuous
- Class II appliance
- Hall effect semi conductor level sensors, with high level safety
- Inlet o/d: Φ17mm (5/8")
- Outlet o/d: Φ7mm / 1/4"

4. Flow Rate Chart



Model	Performance(l/h@head)				
	0m	2m	4m	6m	7m
P12C	12	10	8	6	4

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.

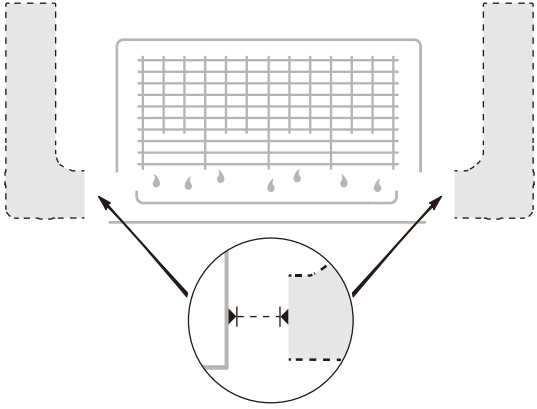
4. The condensate pump is not waterproof. Do not place it in the open air, outdoors or in a place prone to flooding.

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.

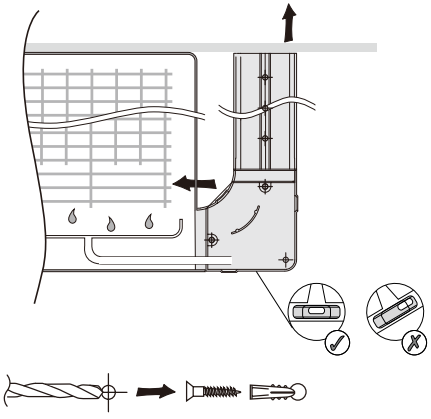
6. It is prohibited that the water inflow is bigger than our stated flow rate, which will easily cause the motor to work continuously and fail. Instant big water inflow will also cause the condensate pump fail to discharge water in time, leading to water leakage.

6. Installation

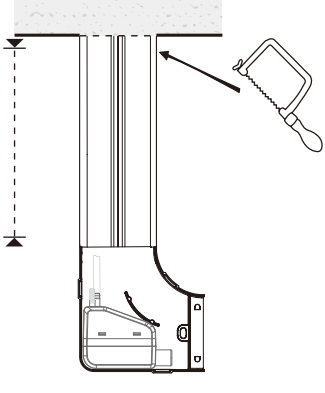
6.1 Select location at the left or right* of the air conditioner.

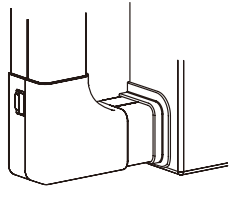


6.2 Fix the trunking and elbow.

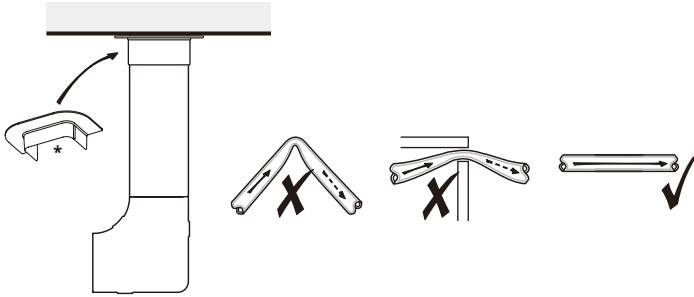


6.3 Measure the length of the trunking and cut it. Install the pump on the elbow.

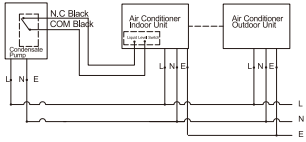




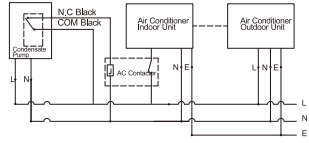
6.4 Install the wall rosette.



6.5 Power supply wiring, in order to avoid leakage of condensate pump, please connect the signal line and the "Normally Closed" and "Normally Open" signal terminals according to the requirements of different working conditions(as shown below).



If the air conditioner does not have a liquid level switch, it can also connect to other alarm devices or refer to fig2.



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

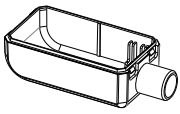
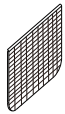
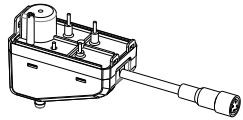
Power Cord:
(L)Live Wire: Brown
(N)Neutral Wire: Blue

Signal Line:
(NC) Normally Closed: Black
(COM) Common Line: Black

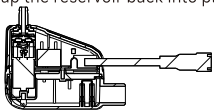
Test the pump after installation:
Pour a little water into the drain pan of the air conditioner's indoor unit.
When the water level increases to about 15.5mm , the pump should turn on for 3 seconds or less, discharging the water, and then turn off. Repeat this step 8-10 times.
Check any leakage of water or generation of abnormal noise while the pump runs.
Though there may be a loud noise in the first 1-2 operations until the entering air escapes and the pump is primed, this is not a failure.

7. Maintenance

7.1 Be sure to maintain the equipment in the following order when you stop operation of the air conditioner after summer season or resume operation of the air conditioner in early summer.
7.2 Be sure to cut off the power supply before maintaining this equipment
7.3 Remove the cover. Remove the reservoir by pushing the hook like tab closest to the edge of the pump (have a towel prepared in case some water spills out).
7.4 Wash the inside of the reservoir with water and mild soap. Wash the filter screen to remove any built up residue or debris.

7.5 Snap the reservoir back into place by aligning the tabs with the slots.



7.6 Supply power to this equipment again and test the pump according to **Step 6.1-4 in How to Install The Product.**

8. 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 tank and probe 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.