

MINI A/C CLEANING PUMP OPERATION MANUAL



Please read this instruction carefully before using this product, and keep this manual carefully for future reference

MINI A/C CLEANING PUMP

1. Notice for use

- Thank you for buying A/C cleaning pumps ,pls check if your ordered goods in good shipment condition , with the correct accessories .
- This manual gives instructions on the correct installation , It's important that you follow this instructions carefully .

2. Caution

⚠ WARNING

Before carrying out any adjustments or servicing , make sure the installation is disconnected from the power supply.

⚠ WARNING

Don't run this pump without water .
Don't run in the place with explosion hazard and inflammables.

- 2.1 Don't run the pump continuous more than 30 minutes. pls run again after 15minutes to avoid long time continuous running to reduce the machine life.
- 2.2 To reduce the risk of fire and electric shock, avoid the use of damage of power cable.
- 2.3 To reduce the risk of corrosion pump, avoid the use of water with detergent .
- 2.4 Please ensure you are standing in a stable position. Hold the manual spray gun and the outlet pipe as tightly as possible .
- 2.5 Don't discharge the filter from inlet pipe to prevent the impurities blocking , If necessary , clean the inlet water filter .
- 2.6 Nozzle spray adjustment will effect the start of high pressure control switch, please ensure the pump works normally.
- 2.7 Don't spray to other people, animals, the machine itself or electrical equipment.

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3. Product introduction

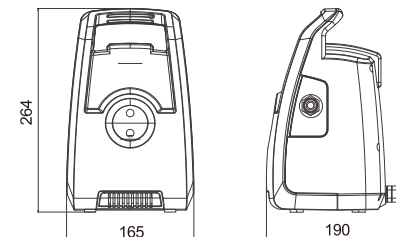
PCW series A/C cleaning pump is designed according to the feature of domestic air conditioner and refrigerant equipment. The inner pump adopts with DC permanent magnet motor. this product has the good performance of light weight, high pressure, reliable and self-priming. The pump has automatic cut-off with the pressure control and all accessories place in one bag, easy to carry.

4. Product description

4.1 Technical data

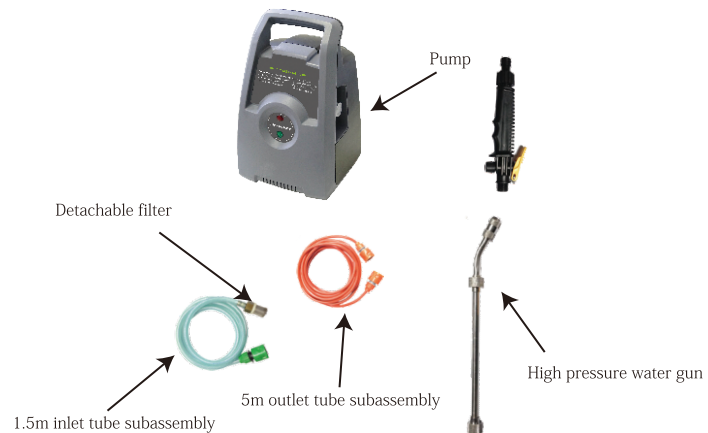
Model	PCW-4M2
Voltage	220V~/50-60Hz or 100-120V~/50-60Hz
Power	80W
Flow rate	4L/min
Working pressure	0.7-1.0MPa
Weight	4KGS

4.1 Dimension



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4.3 All accessories



4.4 Operating instruction

4.4.1 Check before operating (Only qualified service personal should operate this unit , may require the user to be licensed for some countries)

Make sure the product and all accessories under good condition. No impurities blocking in the filter and manual spray gun.

Make sure with the correct voltage as the same as nameplate mentioned.

4.4.2 Cleaning process

- 1) Connect the quick-connector of inlet pipe and outlet pipe to the pump, make sure to the correct position and fastness. ("IN"—Inlet "OUT"—Outlet)
- 2) It should discharge the air for first use. the pump can be started to work after connecting the spray gun while switch on few second.

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- 3) By turning the nozzle you can vary the spray from a narrow jet to a fan jet. But notice this turning is limited distance. there is risk that the nozzle breaks away from the spray gun if big turning.
- 4) Check if the inlet pipe with the filter, if all connectors with O-ring inside, then tighten with a spanner if there is a leakage.
- 5) The green light will be shut off while loosen the handle of gun. (Red light—Power on, Green light—work on)
- 6) When cleaning the indoor unit, please press the switch to "-", using the low-pressure to adjust the water under mist spray water mode. when cleaning the outdoor unit, please press the switch to "=", using the high-pressure to adjust the water under straight spray water mode.



- 7) Take away the outlet pipe while the pressure gauge returned to "Zero" position. otherwise high pressure water will spray to workplace. That's dangerous.
- 8) Disconnect all device, secure without water inside, then put back to the storage box.

5. Maintenance

⚠ WARNING

Before carrying out any adjustments or servicing , make sure the installation is disconnected from the power supply .

To ensure the long-life and performance of A/C cleaning pump, it should need regular cleaning to avoid blocking , special for inlet pipe filter, nozzle and spray gun filter.

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6. Troubleshooting

Problem	Cause	Action
Pump isn't operating at all	<ol style="list-style-type: none"> 1. power doesn't reach the pump 2. the voltage isn't correct 3. the temperature is too low . 	<ol style="list-style-type: none"> 1. check the power and switch 2. make sure to keep the input voltage with in rated voltage $\pm 5\%$ 3. increase the temperature
Pressure is not enough	<ol style="list-style-type: none"> 1. the inlet pipe or filter blocking 2. the system has the air 3. the inlet and outlet pipe has been bended 4. the impurities inside 	<ol style="list-style-type: none"> 1. clean the inlet pipe filter 2. disconnect the gun, switch on for few second to exhaust the air 3. check and correct 4. remove the impurities
Water leakage	<ol style="list-style-type: none"> 1. the connection doesn't locked enough 2. o-ring damaged 	<ol style="list-style-type: none"> 1. check the connection and tighten them again 2. change the o-ring
Motor doesn't stop while	<ol style="list-style-type: none"> 1. the impurities inside 2. leakage on the connection 	<ol style="list-style-type: none"> 1. remove the impurities 2. tighten the leakage point
Runing with noise	<ol style="list-style-type: none"> 1. pump is sucking air 2. inner parts damaged 	<ol style="list-style-type: none"> 1. check the water level and inlet pipe 2. repair the pump ,change the parts .