

AIR-CONDITIONER CONDENSATE PUMP

OPERATING INSTRUCTIONS



CE

PSB SERIES MINI STYLE CONDENSATE PUMP

■ SAFE USE OF PRODUCT

Note:

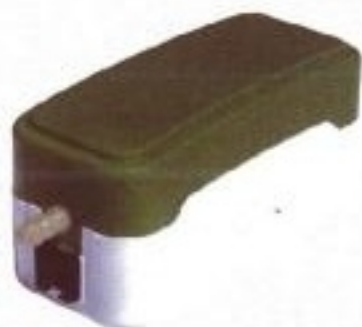
- Drainage pump can only be used when has water.
- To avoid electric failure, drainage pump set can't be duck into water.
- Insert power as requested please.
- Please insure drainage pump's power off, before do any adjust.
- If drainage pump has some damage, must contact with manufacturer or after-sales service agent.
- Don't swab-off water in drainage pump when using it.
- Insure one side of float which with magent always face up, insure reservoir installed steady.
- Drainage pump can be used in mostly working or living environment, but shouldn't use in fatness and dirty environment.
- Drainage pump can only be used indoor aeras.



PSB1028



PSB1218



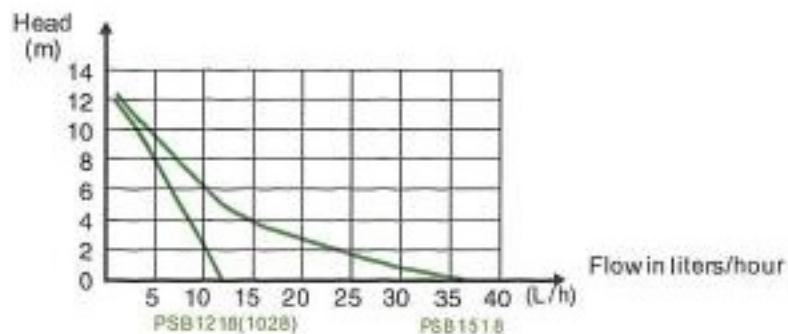
PSB1518



TECHNICAL DATA

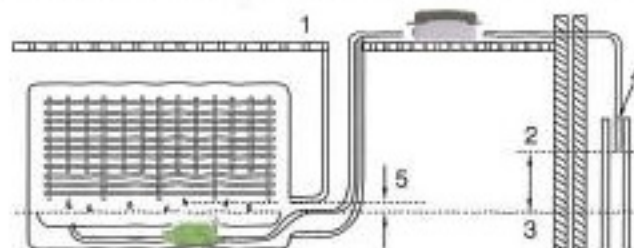
Model	PSB1028	PSB 1218	PSB 1518
Current Source	230V-50/60HZ or 115V~/60HZ	230V-50/60HZ or 115V~/60HZ	230V-50/60HZ or 115V~/60HZ
Suction Lift	Max.2m(6.5ft)	Max.2m(6.5ft)	Max.2m(6.5ft)
Thermal protection	>90°C	>90°C	>90°C
Flow rate	Max. 12L/h(3.2GPH)	Max. 12L/h(3.2GPH)	Max. 36L/h(9.6GPH)
Tank capacity	35 CC	35 CC	35 CC
Mini splits up to	10 KW(30,000btu/hr)	10 KW(30,000btu/hr)	30 KW(90,000btu/hr)
Sound Level	<25dB (A)	<25dB (A)	<32dB (A)
Ambient temperature	0°C-50°C	0°C-50°C	0°C-50°C

FLOW DIAGRAM



PREVENT SIPHON ACTION

Cut out a section of big water tube, connect with reservoir immediately, higher than drain plate's water level, let air current. (as shown in figure)



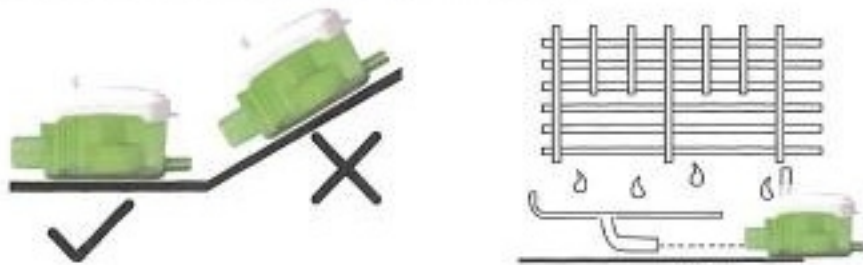
- As shown in figure:
- ① Virtual topout
 - ② The end of drain tube
 - ③ Drain pallet's water line
 - ④ Outlet tube nozzle
 - ⑤ The top of air pipe

■ INSTALLATION PROCEDURE

1. Ensure float can move up and down without let or hindrance, filter and cover can installed in reservoir firmly.(as shown in figure)



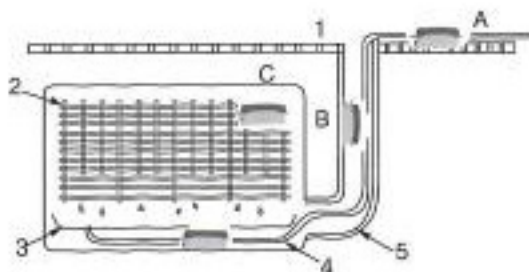
2. Insure reservoir installed steady, air-condition's outlet tube is connect with reservoir's inlet tube closely.(as shown in figure)



3. Cover the air pipe and reservoir joint .(as shown in figure)

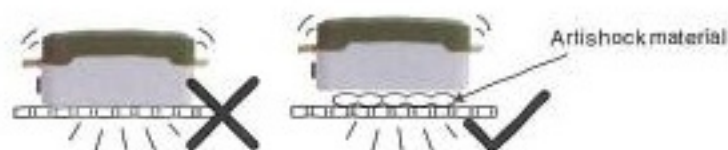


4. Put pump set higher than ceiling where is available.(as shown in figure)



- ① Virtual ceiling
- ② Evaporator pipe coil
- ③ Drainage pallet
- ④ Vinyl tube
- ⑤ Aqueduct

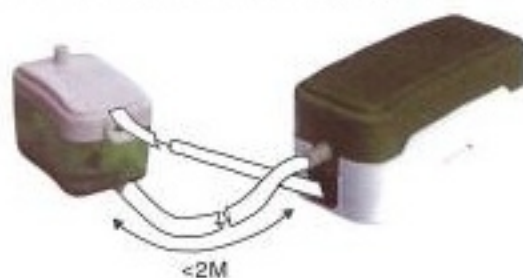
- 5、 shock-proof material insures pump and tank stick tightly, no shock, and no noise. (as shown in figure)



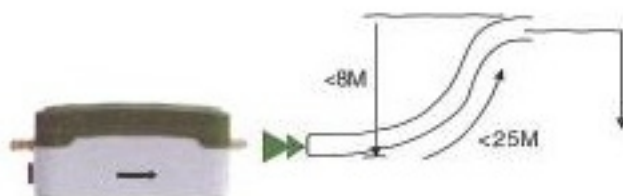
- 6、 Pay attention to the direction of water flow. (as shown in figure)



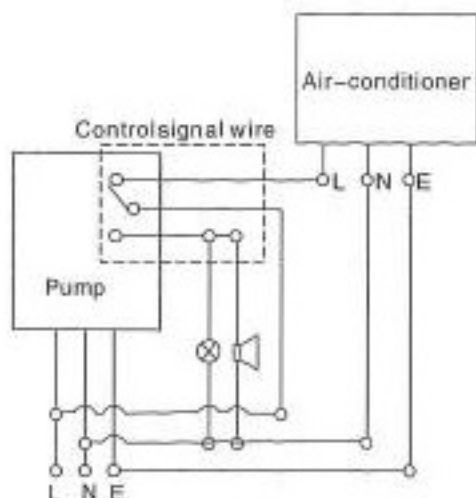
- 7、 Use 6x9mm/ 1/4"x3/8" of vinyl tube to connect reservoir and pump set well, then tie them closely with strop. Please insure the length of water tube is not longer than 2 meters. (as shown in figure)



- 8、 Put a 5/32 inch inside diameter's 4x6mm water tube, connect to pump set's water outlet port, then tie them closely with strop. (as shown in figure)



- 9、 If connect to alarm bell or alarm light, please connect signal wire as follow wiring diagram ,when the pump can't work regularly(the bell rings or alarm light lightened).If connect to air-conditioner directly,when the pump can't work regularly,pump's circuit will trigger signal, turn off or cut down the air-conditioner's operation.(as shown in figure)

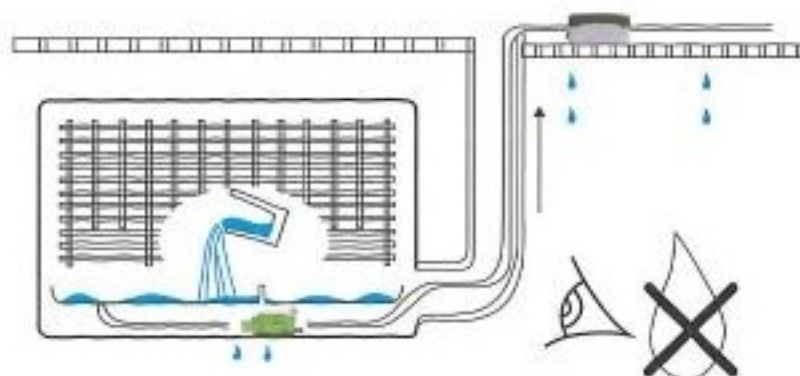


PSB1518	PSB1218(1028)
Power wire:	Power wire:
(L): Brown	(L): Brown
(N): Blue	(N): Blue
(E): Yellow green	(E): Yellow green
Control signal wire	Control signal wire
(N.C): Purple	(N.C): Black
(COM): Green	(COM): White
(N.O): Red	(N.O): Green

WARNING

- ※ Please distinguish power wire and signal wire, wrong wiring will lead to damage the pump. And ensure using the same voltage as required.

- 10、 Pull some water on the evaporator pallet, to check out whether the pallet will leaking.(as shown in figure)



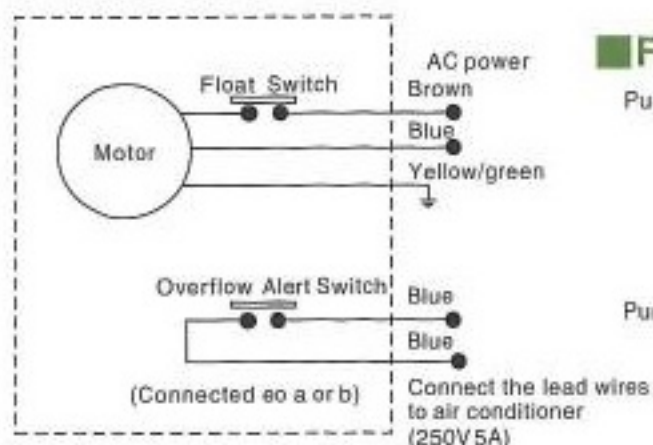
PSB30228 PSB50228



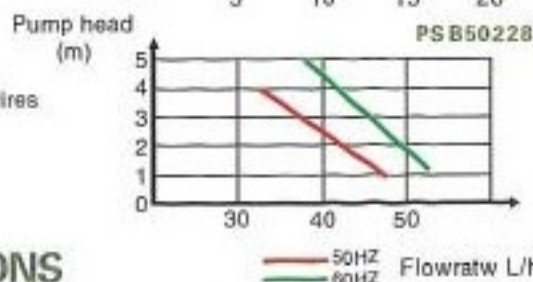
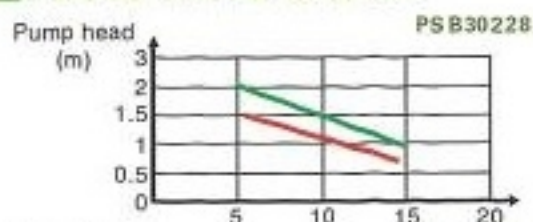
■ FLOWRATECHART

Model	PSB30228	PSB50228
Current Source	230V - 50/60HZ	
Max head	3M	5M
Input Power	55W	58W
Check valve	Build-in	
The Top/Bottom of the Inlet	5/8" (Ram) / 3/4" (Ram)	
Outlet Piping	3/8" (Ram) 4m/m" (Ram)	
Contour Size	L250xH140xW110	
Sound Level	≤45dbB(A)	≤55dbB(A)
Ambient temperature	0°C - 50°C	
Suitable Air-conditioning	All kinds of Cabinets fan coil Ceiling Cassette	

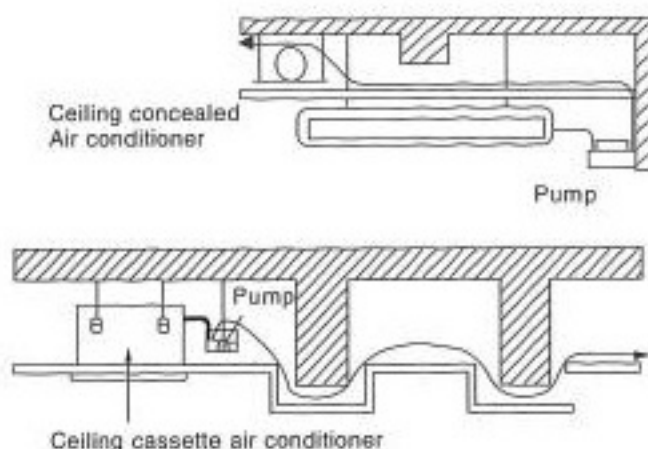
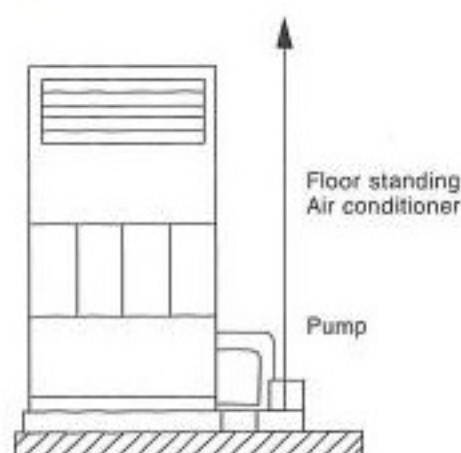
■ WIRING DIAGRAM



■ FLOW RATE CHART



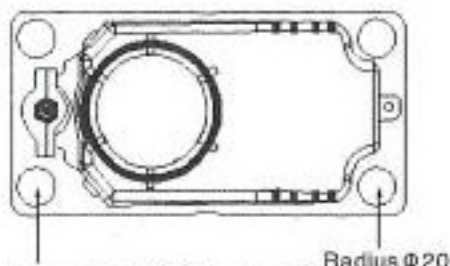
■ AIR CONDITIONER APPLICATIONS



PIPE CONNECTION

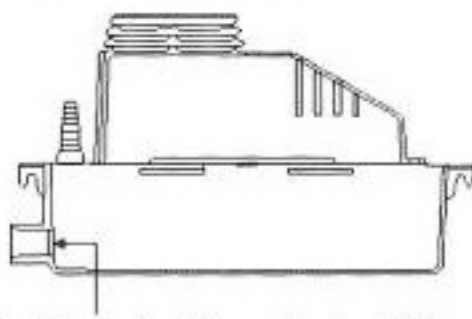
INLET CONNECTION

1、 from Upper Hole

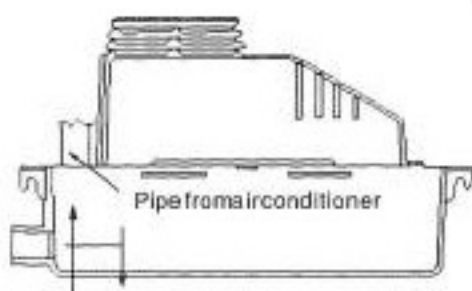


4 Upper Holes (Select one of them and Break the seal with tool).

2、 From Side Pipe

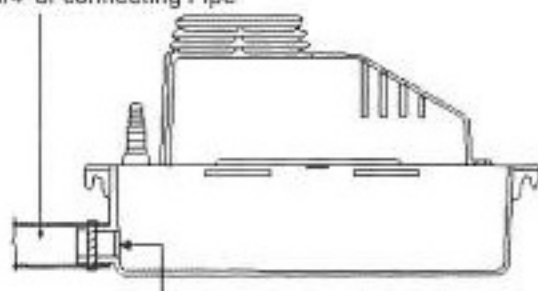


Only when choosing the inlet from the side.



Cut the end of the Pipe (45° of angle) to prevent blocking and clearance between the container is more than 10mm

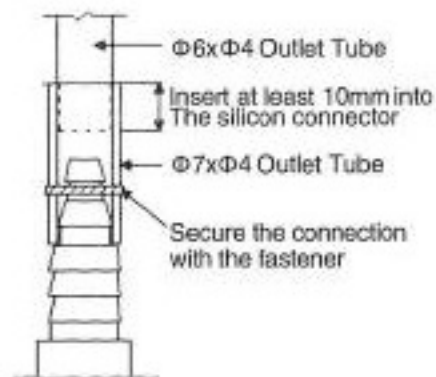
Select 3/4" of connecting Pipe



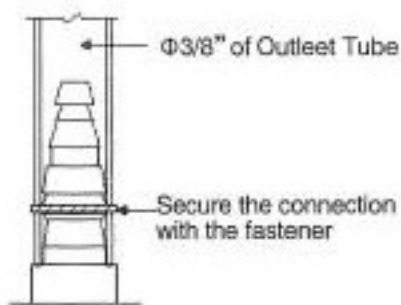
Secure the connection with the fastener

OUTLET CONNECTION

1、 If Choosing $\Phi 6 \times \Phi 4$ Hard Outlet Tube



2、 If choosing $\Phi 3/8$ " of outlet tube



PSB1018



■ TECHNICAL DATA

Model	Current Source	Contour Size	Power Consumption
PSB 1018	AC220V-50HZ or AC115V-60HZ	L180xH150xW105	18W

※ Add overflow security switch wiring. (AC250V 5A)

- Dealer follow introduction to express the operation method in detail to customer.
- Before installing, please read the correct user manual carefully.
- Drainage pump installation and wiring, please deal with by the dealer (qualified water-power engineering company), never install and change by yourself.

■ NOTICE & REGULAR MAINTAIN

- Use $\Phi 4 \times \Phi 6$ hard plastic tube, only use under 8000kcal/hr machine, or it's tend to block tube.
- In order to avoid suddenness, never install near the heat source.
- In order to avoid suddenness when lose effect, don't stack the valuable and electric stuff under the drainage pump.

■ CHARACTERISTIC

- Use suspensory and shockproof system, operative noise is low.
- Control by Microsoft computer water level, with no mistake, and it's first to create.
- Small, new style.

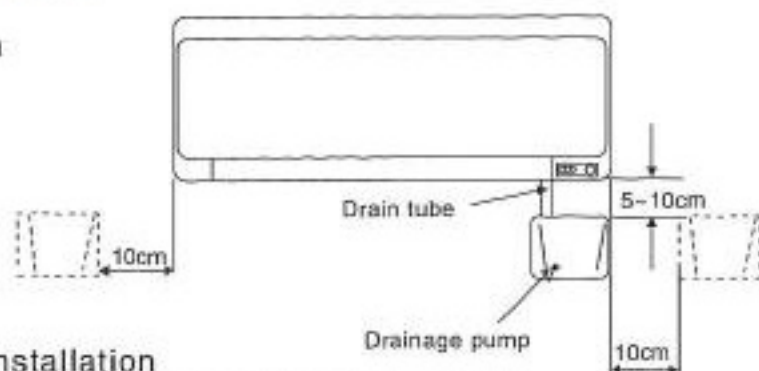
■ DEAL WITH THE SIMPLE SITUATION

When the drainage pump is exceptional and cause overflow, please first:

- Make sure the power is ok.
- Pump don't block.
- Tube insert in the machine.

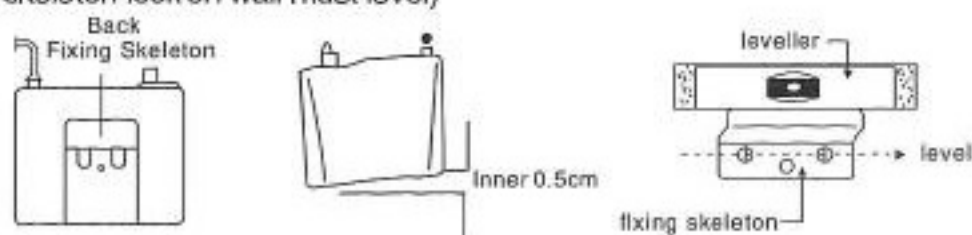
INSTALL METHOD

1、 Pump collocation

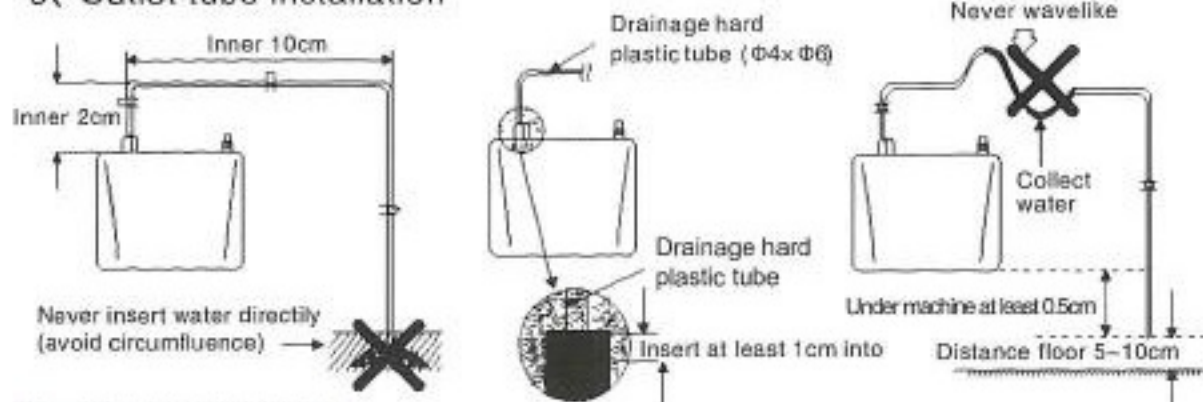


2、 Fixing skeleton installation

Fixing skeleton lock on the wall where the drainage pump install
(fixing skeleton lock on wall must level)



3、 Outlet tube installation



4、 Line connection

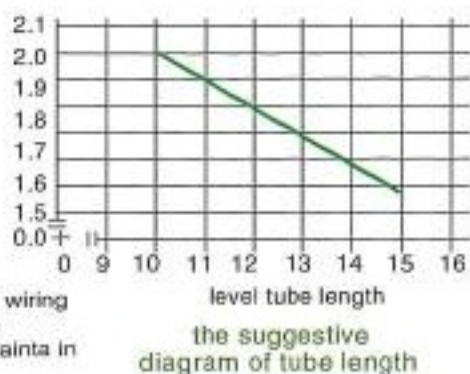
NOTICE

Power connection is an important step. pump should keep power supplying for 24 hours and please comply the in struct as follow in order to avoid over flowing.

OPERATING INSTRUCTIONS

- 1、 The power cord of drainage pump need to have connection port.
- 2、 Make sure the power keep supplying for 24 hours.
- 3、 After connecting, please make sure the cord is firm or not again.

※The function of overflow security switch wiring: when the tube block or lose effect, it can make security switch wiring and air-condition switch in series, and can cut off air-condition power automatically, after that, you should inform installer to mainta in and get rid of the trouble.



ANOTHER NOTICE:

If the power cut, please keep the tube of indoor machine insert other container, when renew the power, insert the inlet pump again.

