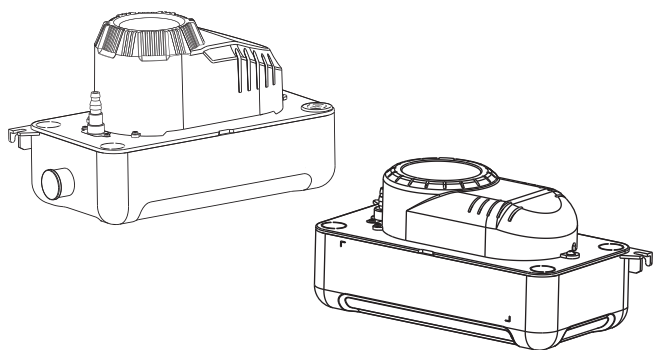


Condensate Tank Pump

USER MANUAL

**Model: CDS125S-LV/ CDS125STU/
CDS320/ CDS320TU/
CDS325/ CDS325TU**



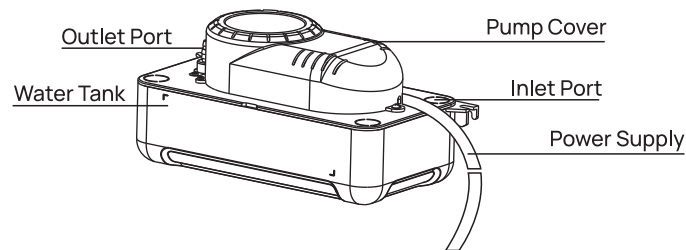
Please read this instruction carefully before using this product, and keep this manual future for futere reference

Thank you for purchasing the Aquastrong condensate tank pump. This manual provides instructions for proper installation. Please be sure to follow these instructions carefully.

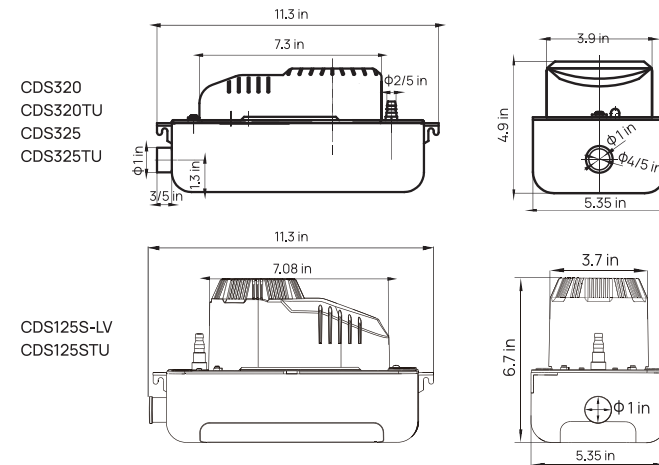
1. Important Notes

- 1) Make sure to disconnect from the power source before installation.
- 2) The pump has been evaluated for use with water only.
- 3) Risk of electronic shock. This pump has not been investigated for use in swimming pool or marine areas.
- 4) If the wire is damaged, it must be replaced with a special wire or assembly provided by the manufacturer or its service agent.
- 5) DO NOT run this pump dry.
- 6) Always ensure the metal magnet in the float is facing upward. Always ensure the reservoir is sitting flat and horizontal.
- 7) The pump is ideal for most working and living environments. It is not recommended where the environments is oily or particularly dusty.
- 8) Acceptable for indoor use only.
- 9) This condensate pump is non-submersible.

2. Pump Component



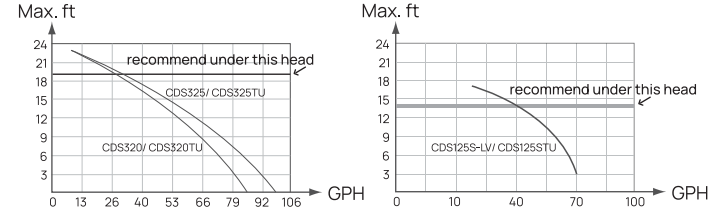
3. Dimernsion Drawing



4. Technical Specification

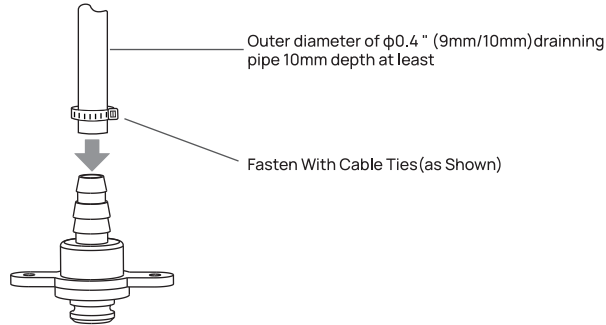
Model	CDS125S-LV	CDS125STU	CDS320	CDS320TU	CDS325	CDS325TU
Voltage	115V/60Hz		100-230V/50-60Hz		100-230V/50-60Hz	
Discharge Head	Max. 16 ft		Max. 20 ft		Max. 20 ft	
Flow Rate	Max. 70 GPH		Max. 85 GPH		Max. 95 GPH	
Tank Capacity	0.5 Gal					
Ambient Temperature	32°F - 122°F					
TU models With Flexible Vinyl Tubing 8*12MM*6M						

5. Maximum Recommended Head (ft)



6. Installation

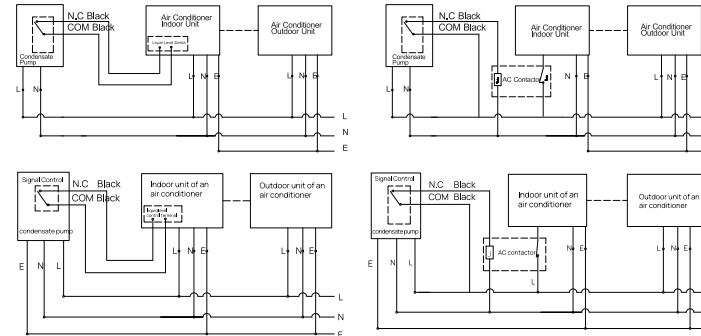
- 1) Make sure the power is cut off.
- 2) Place the pump, making sure it is level.
- 3) Inserted the discharge pipe into one of the inlet port (using tools to dig through), and make sure the pipe does not bend.
- 4) According to the level of the water, use a suitable length of the tube inner diameter of 1/4 Inch ~ 3/8 Inch) to connect the drainage fitting of the pump, and fasten with cable ties (as shown below) (cable ties included).



- 5) Insert the three-prong plug into the socket.
- 6) If the signal control wire (two core) connects with the air conditioner lines directly, when the drain pump is not working properly, the pump circuit can trigger a signal to shut down or cut off the air conditioner running directly.

⚠ CAUTION

Please note the distinction between the power line and signal line, wrong wiring will result in damage to the drain pump and ensure consistent product identification voltage.



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) Fire wire: Brown, (N) Zero line: Blue, (E) Ground wire: Multicolor
Signal Line: (NC) Normally Closed: Black, (COM) Common Line: Black

- 7) If the pump does not work properly, the system will automatically cut off, please contact qualified personnel for maintenance.
- 8) If the system is connected properly, ensure that the pump has been powered on, run the air conditioner to observe whether the pump is working properly.

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 tank and float
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

8. Important service guide

- 1) Every six months the reservoir should be removed, taking care to clean the filter, float and reservoir thoroughly prior to reassembly.
- 2) We recommend this is done in the Spring and the Autumn, using a chemically compatible anti-bacterial wash.