



January 28, 2021

PolarCool Float Valve Replacement

1. Turn off the fan and the pump
2. Unplug the power cable.
3. Disconnect the water supply.
4. Open the cover at the top of the fan.
5. Remove the cooling pads by tilting them toward yourself, then lifting them out.
6. If the float valve is mounted through the side of the cabinet, perform the following steps:
 - a. Loosen the float valve lock nut and hose adapter from the outside of the fan.
 - b. Remove the float valve from the inside of the fan.
 - c. Insert the new float valve in place of the original.
 - d. Secure the new float valve to the outside of the fan using the original hose adapter and lock nut.
 - e. Wrap the threads with thread-sealing tape.
 - f. Attach the hose to the new float valve.
7. If the float valve is mounted inside the cabinet, perform the following steps:
 - a. Remove the float valve from the bracket mounted to the cabinet wall.
 - b. Assemble the float valve lock nut and hose fitting on the bracket.
 - c. Attach the hose to the new float valve.
 - d. Install the new float valve on the cabinet wall using 1/4"-20 x 1/2" bolts and nuts.
8. Reconnect the water supply, then fill the reservoir to the correct level.

NOTICE: The water level in the reservoir is normally 2-1/4" ($\pm 1"$), approximately 1" below the bottoms of the pads. Do not allow the water in the reservoir to contact the pads.

9. Adjust the reservoir water level as follows:
 - a. Loosen the float valve adjustment thumbscrew.
 - b. Move the arm as needed:
 - i. Move the arm downward to decrease the water level.
 - ii. Move the arm upward to increase the water level.
 - c. Tighten the adjustment thumbscrew.
10. Reinstall the cooling pads.
11. Close the fan cover.
12. Reconnect the water supply.
13. Plug the power cable back in.
14. Run the pump for at least 15 minutes to saturate the cooling pads with water.
15. Turn the fan on.

NOTICE: Do not run the pump without water in the reservoir. Doing so may damage the pump.

