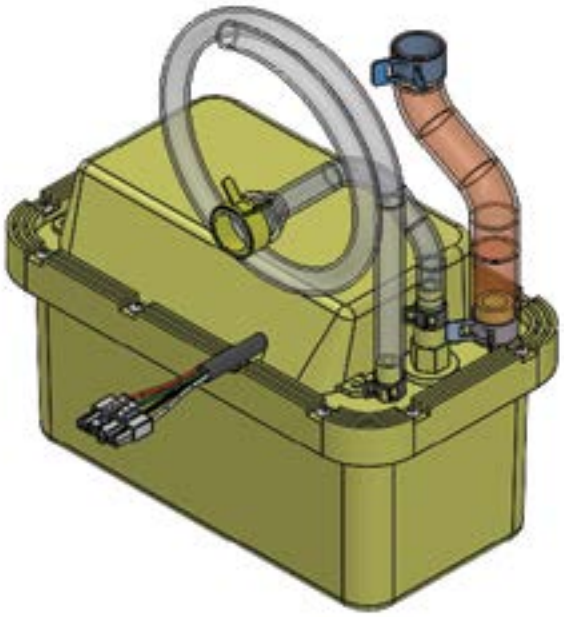
Avallon®



Model AIMPUMP2
Drain Pump Kit
Installation Manual

For Gourmet Ice Maker

Models: AIMG151GPRI, AIMG152GPRI, AIMG151PPRI, AIMG152PPRI, AIMG151GSSI, AIMG152GSSI, AIMG151PSSI, AIMG152PSSI, AIMG151PSSO, AIMG152PSSO

Important Safety Information

Improper handling can cause serious damage to the Avallon ice maker drain pump and / or injury to the user. This pump is designed for domestic indoor use only. **Do not use the unit for industrial or commercial use.** Any other use may invalidate the warranty. Please review this manual for details regarding electrical and other technical data related to this unit. The unit must be used with a properly grounded wall outlet.

Please read and follow the safety information listed below to reduce the risk of fire, electric shock, or injury. Installation should only be done by a licensed plumber.

Electrical Safety

- Do not exceed the power outlet ratings.
- It is recommended the ice maker be connected on its own circuit.
- The unit must be installed in accordance with state and local electrical codes.
- A standard electrical supply (115 V, 60Hz), that is properly grounded in accordance with the National Electrical Code and local codes and ordinances is required.
- Use outlets that cannot be turned off by a switch or pull chain.
- Always turn the unit off and unplug it from the outlet when cleaning.
- Unplug the unit if it is not going to be used for an extended period of time.
- Do not operate the unit with a power plug missing the ground plug, a damaged cord, or a loose socket.
- Be sure the ice maker is properly grounded.
- Never plug or unplug the unit with wet hands.
- Do not bypass, cut, or remove the grounding plug.
- Do not use extension cords or power strips with this unit. You may need to contact your electrician if it is necessary to use a longer cord or if you do not have a grounded outlet. Do not modify the power cord's length or share the outlet with other appliances.
- Do not start or stop the unit by switching the circuit's power on and off.
- If the power cord is damaged, it must be replaced by the manufacturer or a qualified technician.
- Never repair the unit while it is plugged in.
- Immediately unplug the unit if it makes strange sounds, emits smells, or smoke comes out of it, and contact customer service.
- Do not remove any part of the casing unless you are instructed to do so by an authorized technician.
- You should never attempt to repair the unit yourself.
- Contact customer service for service options if the unit needs service.

Important:
- Do not touch the power plug when your hands are wet.
- Never unplug the unit by pulling on the cord.

Warning: Installation should only be done by a licensed plumber.

Electrical Requirements

ELECTRIC SHOCK HAZARD!

- Plug into a grounded 3-prong outlet.
- Never remove the grounding prong from the plug.
- Never use an adapter to bypass the grounding prong.
- DO NOT use an extension cord.
- Failure to follow these instructions can result in fire, electrical shock, or death.

Before you move your ice maker into its final location, it is important to make sure you have the proper electrical connection:

- A standard electrical supply (115 V, 60Hz), properly grounded in accordance with the National Electrical Code and local codes and ordinances, is required.
- It is recommended that a separate circuit, serving only your ice maker, be provided. Use receptacles that cannot be turned off by a switch or pull chain.
- The fuse (or circuit breaker) size should be 15 Amps.

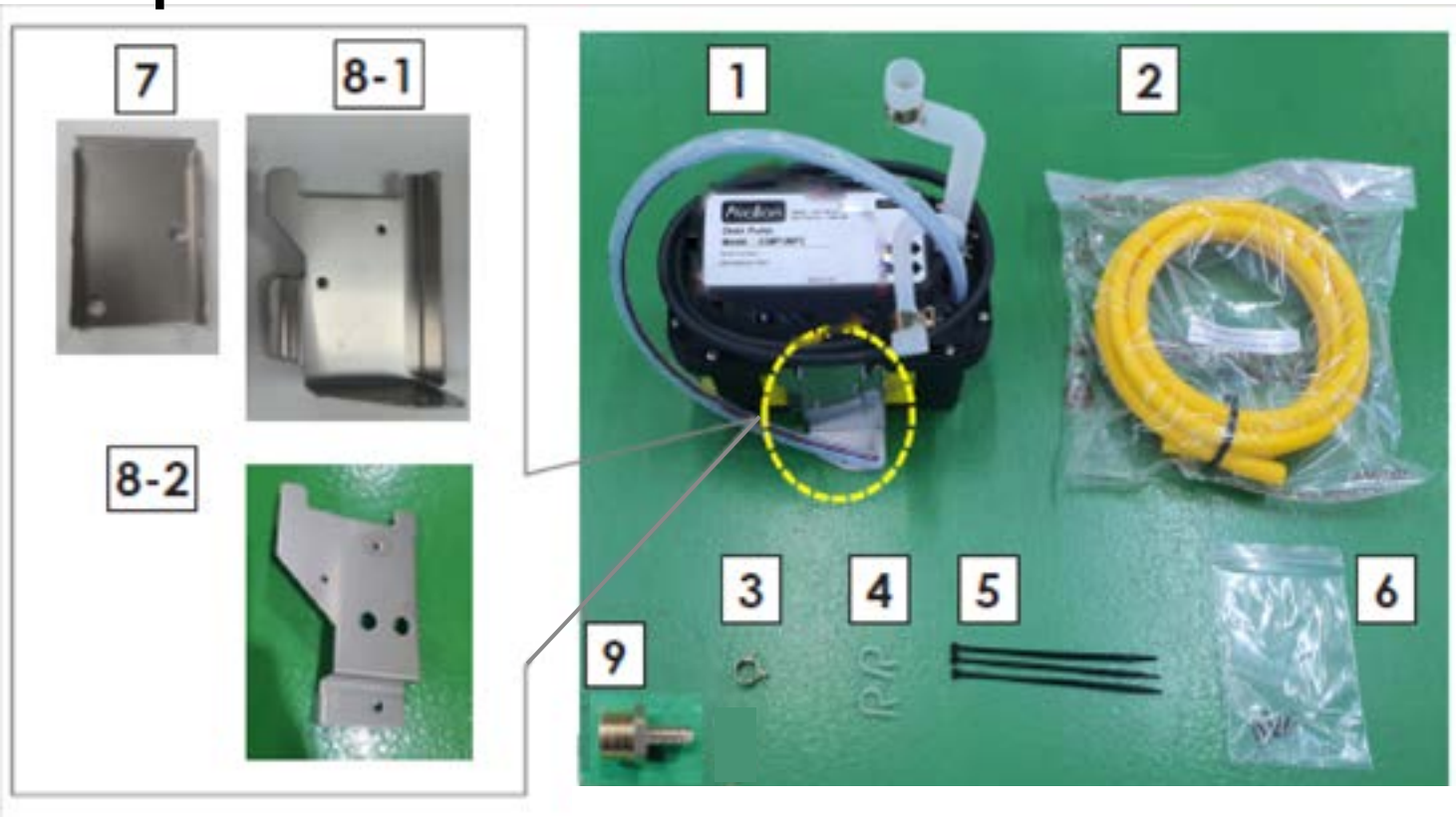
Recommended Grounding Method

For your personal safety, this appliance must be grounded. It is equipped with a power supply cord that has a 3-pronged grounding plug. To minimize possible shock hazard, the cord must be plugged into a mating 3-pronged wall socket, and grounded in accordance with the National Electrical Code and local codes and ordinances. If a mating wall socket is not available, it is the personal responsibility of the customer to have a properly grounded, 3-prong wall receptacle installed by a qualified electrician.

Note: A standard electrical supply (115 VAC only, 60 Hz), properly grounded in accordance with National Electrical Code and local codes and ordinances, is required.

Table of Contents

Pump Kit Accessories



No.	Part	Quantity
1	Drain Pump Assembly	1
2	Drain Hose (ID 3/8”, L 9.8’)	1
3	Hose Spring Clamp (Φ16mm)	1
4	Cable Clamp: Φ12mm, C Type	2
5	Cable Tie: L5.5”(140mm)	3
6	SCREW: M4 x 12, + TRUSS HEAD	5
7	Mounting Bracket A	1
8-1	Mounting Bracket B for R134 Models	1
8-2	Mounting Bracket B for R600a Models	1
9	Drain Adapter (INLET 3/4” NPT, Outlet 3/8”)	1

Installation

The pump kit should be installed by a licensed plumber in accordance with local electrical and plumbing code requirements.

⚠Caution

- An air vent should be installed or the drain pump may overload. Ensure the air vent hose has not been folded over.
- Connect the drain tube to a suitable drain.
  - There should be two inches of space between the drain tube and the drain.
  - The tube should not be bent or folded or water could overflow the pump.
  - The drain hose should be no longer than 20ft horizontally and 8ft vertically.

Tools required

- Phillips screwdriver
- Pliers
- Tubing cutter

Installation steps

1. Open the pump kit and confirm that all parts listed in the Pump Kit Accessories section are included (Fig. 1) (Kits will have either 8-1 or 8-2).
2. Turn off the ice maker and disconnect the plug from the wall outlet.
3. Position the ice maker so the back of the unit can be accessed and serviced.
4. Remove the screws on the upper back panel. Gently lift the rear section of the lid above the tab on the back panel, slide the panel's tab underneath the lid, and remove the panel (Fig. 2).
5. Remove the screws on the lower back panel and remove the panel (Fig. 3).

Fig. 2

Fig. 3

6. Remove the two screws connecting the water supply and drain bracket to the cabinet (Fig. 4).
7. Gently pull the bracket forward and completely remove the tube between the ice bin and the back of the drain socket (Fig. 5).

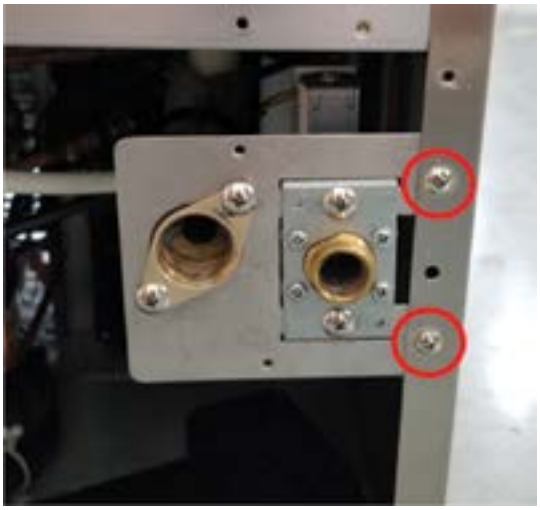


Fig. 4

Fig. 5

8. Place the drain pump into position inside the cabinet and attach the pump's ice bin drain tube to the bottom of the ice bin (A) and the pump's discharge tube to the drain socket (B) using the hoses and clamps provided (Fig.6). Make sure all connections are secure to prevent any water leakage. Cut drain tube (A) about 1.57"(40mm) for R600a Models and keep as straight as possible for optimal performance.

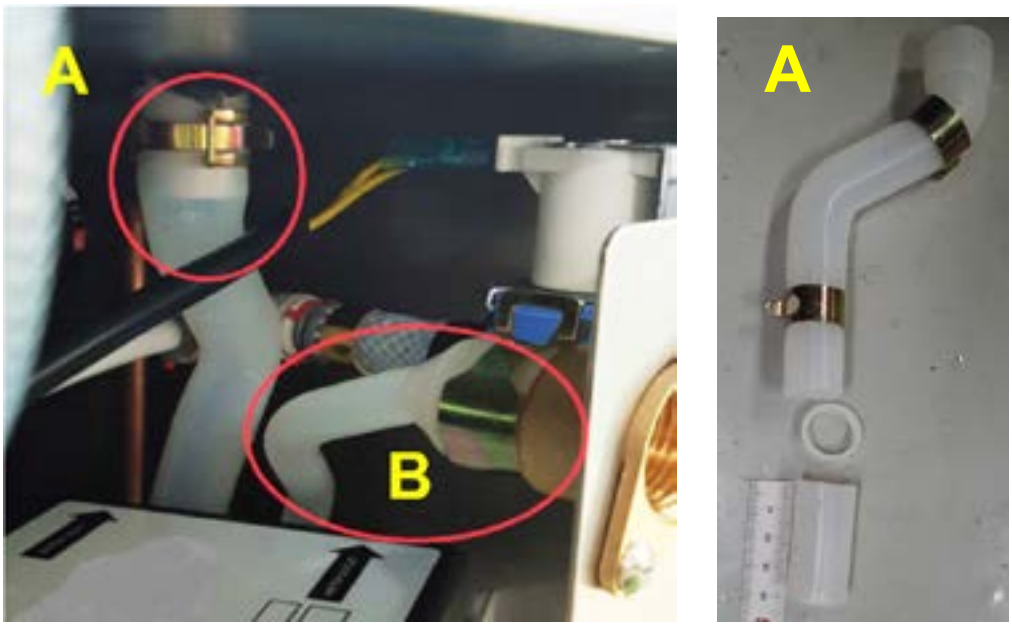


Fig.6

9. Fasten and secure the pump's mounting bracket to its mounts inside the cabinet using the screws provided (Figure 7).

R134a Models

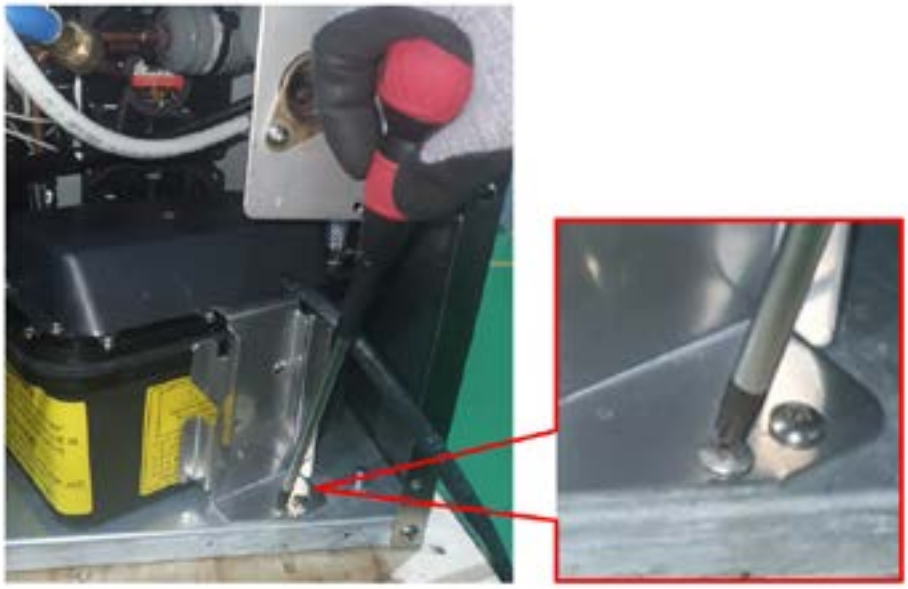


Fig.7

R600a Models

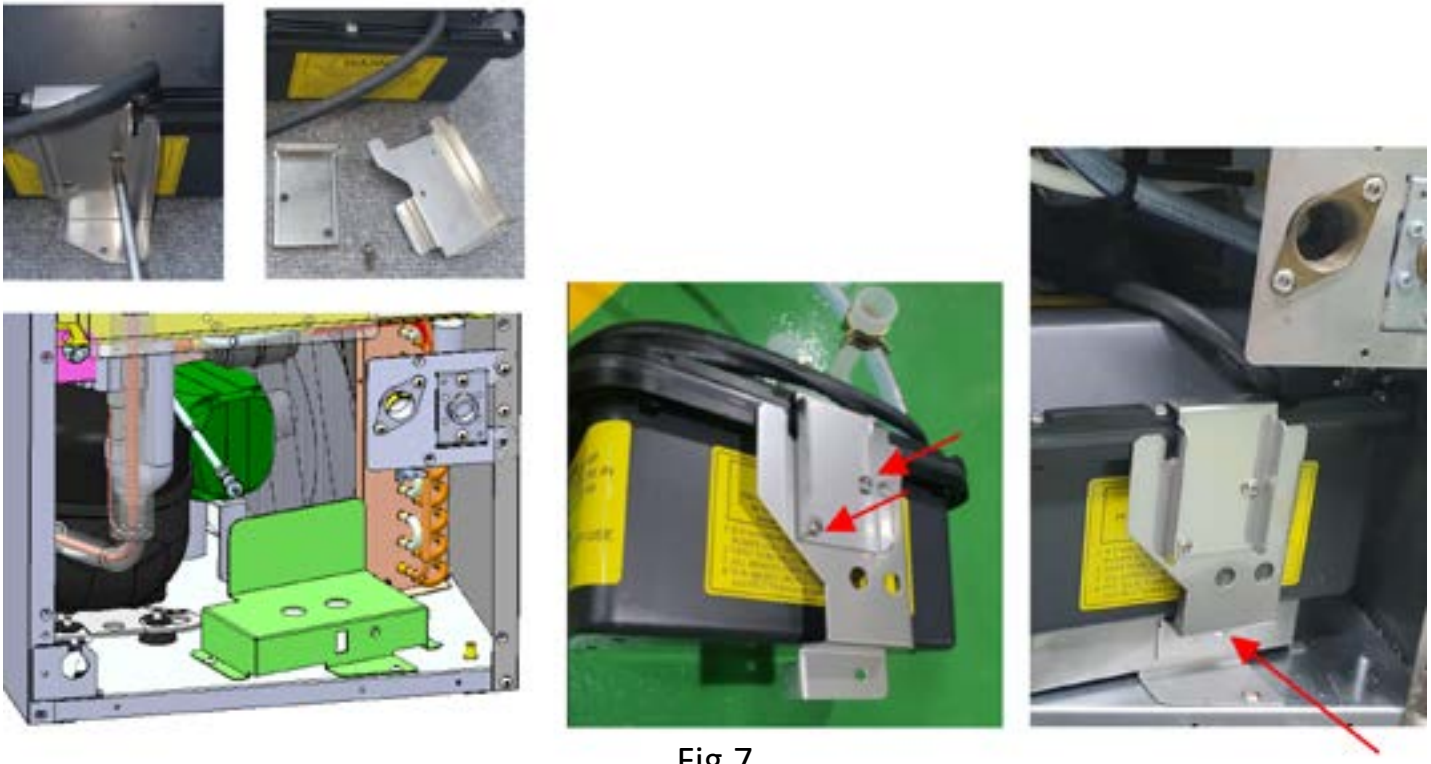


Fig.7

10. Cut the drain pump air hose in line with the outlet at the bottom of the existing drain box.(Red line) (Fig.8).
11. Remove the existing drain hose at the bottom of the drain box (Fig.9).
12. After inserting the air hose of the drain pump, fix it with a clamp so that it does not come off (Fig.10).

Fig.8

Fig.9

Fig. 10

Note: The air vent hose must be installed or the drain will not operate correctly. Do not kink or bind the air vent hose.

13. Reattach the water supply and drain bracket to the cabinet (Figure 11).

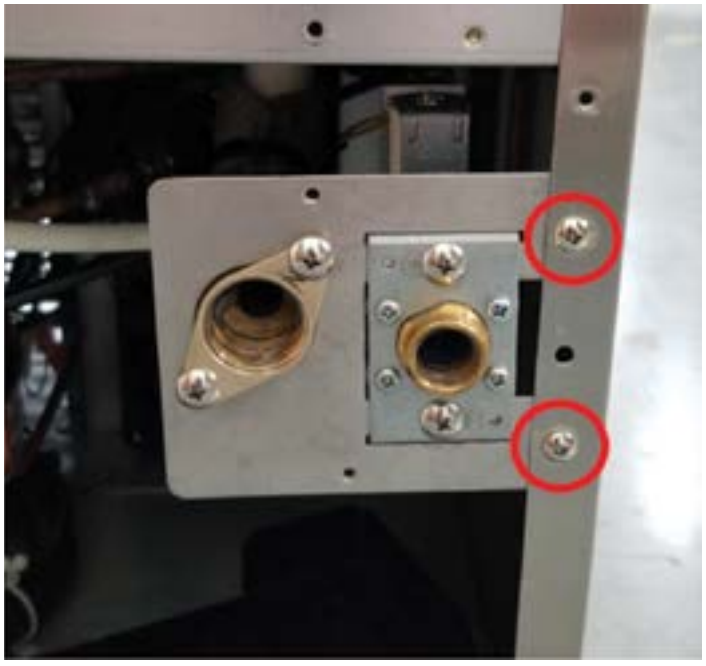


Fig.11

14. Remove the plastic covering from the ice maker's connector and separate the jumper section (Fig.12).
15. Securely attach the pump connection to the ice maker connection, making sure to match the order of the wire colors at both ends (Figure 13). Replace the plastic covering over the connectors and secure it with a cable if necessary. Use the cable tie provided.
16. Reattach the lower (first) and upper back panels of the ice maker.

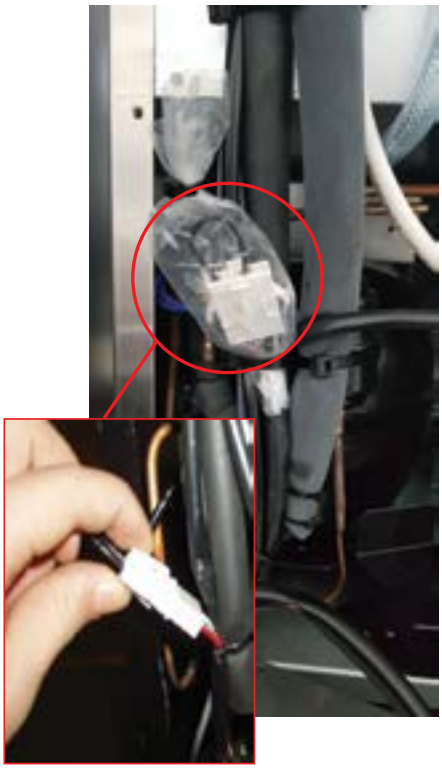


Fig.12

Fig.13

Note: Do not discard the jumper connector. If the pump is removed, the jumper connector must be reattached to the ice maker's connector in order for the ice maker to operate properly.

Testing

- Test the drain pump by pouring water slowly into the ice container of the ice machine. About one quart of water is needed to operate the drain pump. The pump automatically works to drain the water.
- To test the safety switch of the drain pump, turn on the ice machine, put one quart of water into the container, and block the drain tube by hand while the pump is in operation.
    - Put more water into the container until the ice machine automatically turns off. The drain pump will operate continuously. Check for any leakage.
    - Unblock the drain tube so that pumping is carried out properly. When the drain pump functions properly, the ice machine will turn on automatically.

Install the ice machine in the desired location. Check for any jamming, folding, or blockage of the tube or cable.

Maintenance

Periodic maintenance will ensure efficiency, top performance, and a longer life for your unit.

At least every 6 months:

1. Check the drain hose for any foreign substances and make sure the hose is not blocked, bent, or kinked.
2. Check for water blockage to the pump through the supply hose connected on top of the pump.
3. Check the air vent hose for proper air flow. Make sure the hose is not blocked, bent, or kinked.
4. Check that the central check valve of the drain pump works properly by observing if the water flows in one direction toward the outside of the pump.
5. Following the cleaning and maintenance instructions in the ice maker's owner's manual to clean and sanitize the ice maker regularly. Build up or grime in the ice maker may also affect the pump's performance.

Troubleshooting

Ice Machine Does Not Work

- Check if the wall outlet has power.
- Check if the ice machine is turned on.
- Check if the ice container is full.
- Check if the drain pump is properly connected to the ice machine.
- When the capacity of the drain pump is full, the ice maker will not work.
    - The drain pump will operate continuously, until the water level is reduced from the upper limit. Then the ice maker will start working again.

Drain Pump Does Not Work

- Check if the wall outlet has power.
- Check if the cable between the ice machine and the drain pump has been properly inserted.
- Check that nothing is interfering with the flow of water between the upper hole of the water supply hose and the pump. If there is an interference or an obstacle, clean this part.
- Check that the air vent hose is not folded, bent, or blocked.
- Check whether the volume of water is sufficient to operate the drain pump. At least one quart of water is needed to operate the drain pump.

Drain Pump Works But Does Not Pump Water

- Check that the air vent hose is clean and not blocked.
- Check if anything is blocking the drain hose.
- Check that the drain hose does not exceed 8ft in height and 20ft in horizontal distance.