

# Ez-Pz RUNOFF PUMP KIT

## INSTRUCTION MANUAL

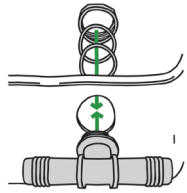
**Fittings Assembly**  
**Pump Assembly**  
**Power Cord Assembly**  
**Pump Discharge Assembly**



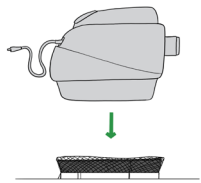
2021-2022

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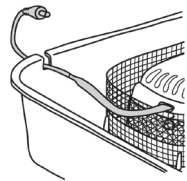




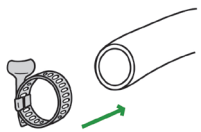
Fittings Assembly: [See page 1](#)



Pump Assembly: [See page 2](#)



Power Cord Assembly: [See page 3](#)

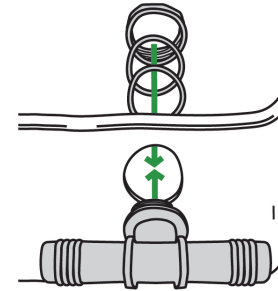


Pump Discharge Assembly: [See page 4](#)



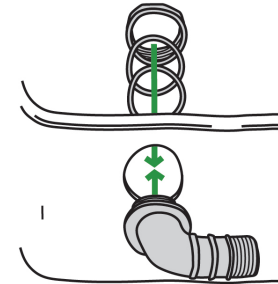
General Product Information: [See page 6](#)

1



**Step #1:** Insert the 3/8" MPT - 3/4" Barb Tee fitting on the left or right side of the pump container (*user preference*). Place the (2) Silicone Washers and (1) Nut in the inside of the container. Hold the Silicone Washers and Nut in place while twisting the Barb Tee fitting on the outside until securely fastened.

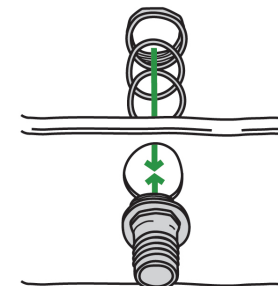
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**Step #2:** Insert the 3/8" MPT - 1/2" MPT or 3/4" Barb Elbow fitting on the left or right side of the container. Place the (2) Silicone Washers and (1) Nut in the inside of the container. Hold the Silicone Washers and Nut in place while twisting the 90° Elbow on the outside until securely fastened.

**Note:** Elbow fitting can be adjusted to the direction of your choice by rotating once connected to the container.

3

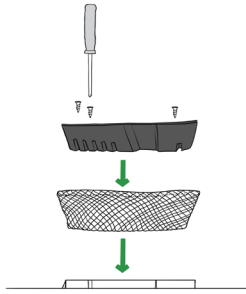


**Step #3:** Insert the 3/8" - 3/4" Straight Adaptor fitting to the port on the rear of the container. Hold the Silicone Washers and Nut in place while twisting the Straight Adaptor fitting until securely fastened. (Slightly higher than the ports located on the on the sides and serves as an overflow or for daisy chain connections).

**Note:** 3/4" End-caps are used to plug any open ended fittings.

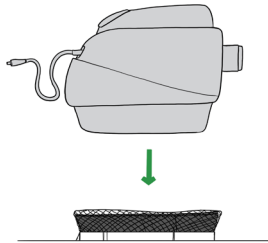


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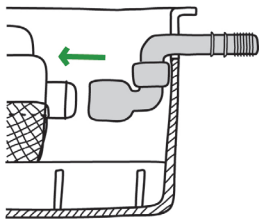
**Step #1:** Unclip the black piece from 1100 GPH Pump and place inside the white mesh filter. Place both pieces inside the outlined area of the container. Use the screwdriver and the (3) stainless steel screws to securely fastened to the bottom.

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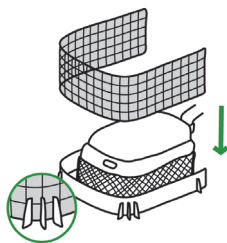
**Step #2:** Once both pieces have been secured at the bottom, gently clip the 1100 GPH Auto Bilge Pump back into the black piece and finish adjusting the white mesh filter. (This allows the pump to maintain stability at all times.

3



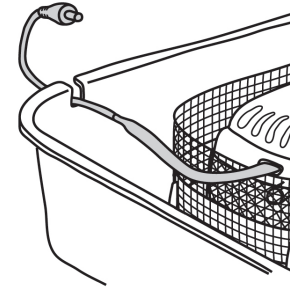
**Step #3:** Connect the Pump Outlet fitting to the 1100 GPH Auto Bilge Pump. Securely twist and position the Barb Outlet fitting towards the outside of the container.

4



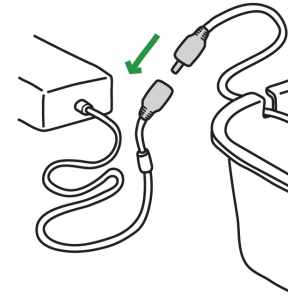
**Step #4:** Install the black filter around the outer perimeter of the 1100 GPH Auto Bilge Pump. Place between the plastic wall and the small holders at the base.

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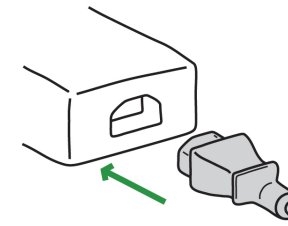
**Step #1:** Place the 1100 GPH Pump power cord through the U-Shape opening on the right side of the container.

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**Step #2:** Connect the 1100 GPH Pump power cord with the Power Adaptor Box using the male and female connections.

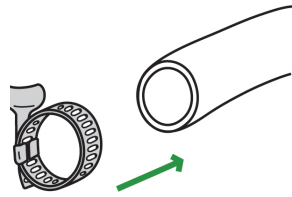
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**Step #3:** Remove the wall Outlet Cord and connect into the AC/DC adaptor plugin.



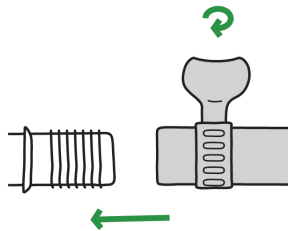
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Note: Doing this will keep your pump stabilized and help prevent water from leaking.

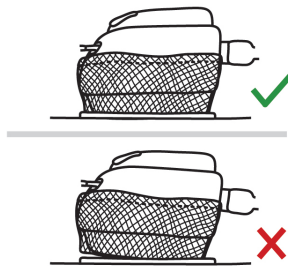
**Step #1:** When using 3/4" Vinyl Tubing, remove the Metal Twist Clamps and slide over the 3/4" Tubing before connecting the hose to the Pump Outlet Fitting.

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**Step #2:** Connect the 3/4" Vinyl tubing to your fittings and tighten Metal Twist Clamps until securely fastened.

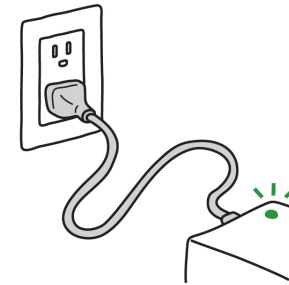
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**Step #3:** Double check the 1100 GPH Pump to make sure it's not sitting on the lip of its location. The Pump should be completely flat and leveled once connected the Pump Outlet Fitting.

Note: Minimize any elbows on the discharge of the pump as this will lower the pumps overall capacity and pressure. (Most problems arise from pump not being stabilized).

4



Note: 2" of water is needed for float valve to turn on automatically.

**Step #5:** Once everything has been connected, connect the power supply cord to the wall outlet and make sure the green light is turned on the AC/DC Adaptor.

Note: Before connecting to your system, remove the red tape located on the side of the pump and keep power adaptor box off the floor to avoid any potential water from coming in contact. Test the 1100GPH pump by pouring water until the built-in float valve turns on automatically.

## Runoff Pump Specs:

- **Container Dimensions:** L: 17.01" x W: 9.15" x H: 4.72"
  - **Pump Sizes:** 1100 GPH
  - **Power Cord:** 12V AC/ DC
  - **Connections:** 1/2" MPT Port & 3/4" Barb Port
- 

## Runoff Pump Assembly Tips:

- The 2 drainage ports on sides of the container, where the Barb Tee Fitting and 90° Elbow Fitting are located, should be used as inlet ports which will allow the water to travel inside of the container.
  - The port on the rear of the container, where the Straight Barb Fitting is, serves as a backup reserve for overflow and daisy chain connections.
  - Once water has traveled into container, the pump and the pump outlet fitting will allow growers to discharge their runoff to waste or back to reservoir for Hydroponic (recirculating) applications.
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## Run Off Pump General Info:

- Growers experiencing any issues on the discharge might be caused by long drainage lines that exceed the pumps capacity of **20FT Horizontally** or **8FT Vertically**.
  - **Minimize any elbow connections** on the discharge of the pump as this will lower the pumps overall capacity and pressure. 90% of problems occur due to pump not being leveled.
- To test each pump manually, growers can twist the knob located on the back of pump.
- For more visual references, please watch the "Runoff Pump" Tutorial Video **on The Bucket Company's YouTube Channel** for a step-b y-step breakdown on how to assemble correctly.



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