



**elemental**  
S O L U T I O N S



Thank you for choosing Elemental Solutions! Your satisfaction and success are important to us. For best results, carefully read the following instructions before using your Elemental H<sub>2</sub>O Pump.

**Features of your Elemental H<sub>2</sub>O Pump**

- Submersible or inline operation (EHP204 and EHP216 submersible only)
- Adjustable flow
- Durable ceramic shaft
- Superior-quality, corrosion-resistant housing
- Waterproof motor casing
- 1-year warranty



**EHP204**

Max. Output: 97 gph  
Max. Lift: 2.45'  
Cord Length: 6'  
Input Voltage: 120V  
Frequency: 60Hz  
Wattage: 5W  
Pressure: 1.05 psi  
Fixed 1/2" fitting included



**EHP216**

Max. Output: 171 gph  
Max. Lift: 4.75'  
Cord Length: 6'  
Input Voltage: 120V  
Frequency: 60Hz  
Wattage: 9.5W  
Pressure: 2.04 psi  
**Included Fitting**  
Multi-step 1/2" & 3/4" Barb  
x 1/2" Thread



**EHP240**

Max. Output: 291 gph  
Max. Lift: 5.9'  
Cord Length: 10'  
Input Voltage: 120V  
Frequency: 60Hz  
Wattage: 16W  
Pressure: 2.53 psi  
**Included Fittings**  
1/2" Barb x 1/2" Thread  
(2) 3/4" Barb x 1/2" Thread



**EHP246**

Max. Output: 370 gph  
Max. Lift: 7.54'  
Cord Length: 10'  
Input Voltage: 120V  
Frequency: 60Hz  
Wattage: 24W  
Pressure: 3.24 psi



**Included Fittings**  
1/2" Barb x 1/2" Thread  
(2) 3/4" Barb x 1/2" Thread

**EHP252**

Max. Output: 529 gph  
Max. Lift: 7.9'  
Cord Length: 10'  
Input Voltage: 120V  
Frequency: 60Hz  
Wattage: 33W  
Pressure: 3.39 psi



**Included Fittings**  
1/2" Barb x 1/2" Thread  
3/4" Barb x 1/2" Thread  
1" Barb x 5/8" Thread

**EHP262**

Max. Output: 793 gph  
Max. Lift: 9.18'  
Cord Length: 10'  
Input Voltage: 120V  
Frequency: 60Hz  
Wattage: 58W  
Pressure: 3.94 psi



**Included Fittings**  
3/4" barb x 1/2" thread  
1" barb x 1/2" thread  
1" barb x 5/8" thread

**EHP272**

Max. Output: 1110 gph  
Max. Lift: 12.13'  
Cord Length: 10'  
Input Voltage: 120V  
Frequency: 60Hz  
Wattage: 92W  
Pressure: 5.21 psi



**Included Fittings**  
3/4" Barb x 5/8" Thread  
1" Barb x 5/8" Thread  
1" Barb x 3/4" Thread

## **Warning**

- Read all instructions carefully before operating the unit.
- Ensure the power source meets the requirements listed on the specification label.
- Do not use the unit if the power cord or plug becomes damaged.
- If the unit is in contact with water, do not touch the water without unplugging the unit.
- Form a drip loop with the power cord by ensuring part of the cord is always lower than the outlet, which will prevent water from running down the cord to the plug and outlet. If the plug or outlet does become wet, disconnect the fuse or circuit breaker supplying power to the outlet before touching the plug.
- Do not pick up the unit using the power cord.
- Do not operate the unit dry.
- Do not use with water hotter than 104°F or with any combustible liquid.
- Do not operate the unit at temperatures lower than 46°F.
- If connected tubing becomes clogged, turn off the unit immediately to prevent the motor from overloading.
- Disconnect the unit from power before cleaning it or if it is not in use for a prolonged period of time.
- Do not attempt to repair the unit.

## **Installation**

1. Attach tubing to the inlet and/or outlet fittings as needed.
2. Adjust water flow using the water flow adjustment knob. For submersible-only units, use the button on top of the unit.
3. Mount the unit on a flat, stable surface using the suction cups.
4. Plug the unit into a 120V outlet.

## **Maintenance and Storage**

- Regularly clean the impeller assembly to maintain optimal performance. Pull off the front cover of the unit. Twist the impeller cover counterclockwise to remove. Rinse debris from the impeller and reassemble the unit.
- Regularly clean the filter vents on the front of the unit and the filter located behind the front cover.
- Remove all water from inside the unit, clean it thoroughly and allow it to dry before storing it.

## **Troubleshooting**

### *The unit isn't operating.*

Ensure the unit is plugged in, the power source is turned on, and the impeller is free of debris.

### *The pump motor turns on and off but fails to pump water.*

Ensure the unit is connected to a power source with the correct voltage and frequency. Ensure the inlet and outlet fittings are free of debris. Ensure the water intake is fully submerged.

### *The unit is operating, but the water flow is sluggish or nonexistent.*

Ensure the water intake is fully submerged. The tubing may need to be shortened or cleared of debris. If the pump is operating inline, there may be air in the impeller chamber, which can be removed by submerging the unit and turning it on and off several times.

