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› Alpine Corporation PEG3000 3000 GPH Vortex Submersible Pump Instruction Manual

## Alpine Corporation PEG3000

# Alpine Corporation PEG3000 3000 GPH Vortex Submersible Pump

Instruction Manual

## INTRODUCTION

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This manual provides essential information for the safe and efficient operation of your Alpine Corporation PEG3000 3000 GPH Vortex Energy-Saving Submersible Pump. This pump is designed for use in ponds, fountains, waterfalls, and other water circulation applications. Please read all instructions carefully before installation and use.



Image: The Alpine Corporation PEG3000 3000 GPH Vortex Submersible Pump, black and teal, shown on a bed of pebbles with a waterfall in the background.

## PRODUCT FEATURES

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- **High Flow Rate:** Delivers a strong 3000 gallons per hour (GPH) flow, suitable for large ponds, multi-tiered waterfalls, and outdoor fountains.
- **Energy-Saving Performance:** Operates at only 132 watts, designed for continuous use with reduced energy consumption.
- **Compact and Flexible Design:** Measures 8"L x 6"W x 5"H, allowing for easy integration into various setups. Can be placed vertically or horizontally.
- **Ultra-Quiet Operation:** Engineered for quiet performance, minimizing disturbance in water features.
- **Durable Construction:** Built with robust components for long-term underwater performance.
- **Included Accessories:** Comes with a mesh bag to prevent debris and various adapters for hose connections.

# VERSATILE

Provides ultimate flexibility for multiple set-ups

- ▶ **USE IN OR OUT OF WATER**
- ▶ **WORKS VERTICALLY OR HORIZONTALLY**
- ▶ **ADAPTER ACCOMMODATES HOSES**  
1/25"-1.5"D
- ▶ **5-POSITION NOZZLE**



Image: A diagram highlighting key features of the pump, including the handle, filter cage, suction cups, 20 ft. cord, and included adapter and mesh bag.

## SPECIFICATIONS

| Specification     | Value                                              |
|-------------------|----------------------------------------------------|
| Brand             | Alpine Corporation                                 |
| Model Number      | PEG3000                                            |
| Maximum Flow Rate | 3000 GPH (gallons per hour) / 3000 liters per hour |
| Power Consumption | 132 Watts                                          |
| Voltage           | 110 volts AC                                       |

| Specification                  | Value                           |
|--------------------------------|---------------------------------|
| Maximum Lifting Height         | 14.8 feet                       |
| Product Dimensions (L x W x H) | 8" x 6" x 5"                    |
| Item Weight                    | 5.9 pounds                      |
| Material                       | 90% ABS, 5% aluminum, 5% copper |
| Cord Length                    | 20 feet                         |
| Outlet Connection              | 1 1/2"                          |

# FEATURES



**INCLUDES  
ADAPTER  
& MESH BAG**  
Fits Multiple Pond  
Set-ups



**HANDLE**  
Convenient Carrying Handle



**FILTER CAGE**  
Snap Off for  
Easy Cleaning



**SUCTION CUP**  
Strong Mounting Feet



**20 FT. CORD**  
Able to Reach  
Where Needed



Image: A visual representation of the pump's dimensions (8"L x 6"W x 5"H) and key electrical specifications (1.1A, 132W, 3000 GPH, 14.8' Max Height, 1 1/2" Outlet, 20FT Cord).

SETUP INSTRUCTIONS

1. **Unpack Components:** Carefully remove the pump, mesh bag, and any adapters from the packaging. Inspect all parts for damage.
2. **Attach Mesh Bag:** Place the pump inside the included mesh bag. This bag acts as a pre-filter to prevent large debris from entering the pump and clogging the impeller.
3. **Connect Hose:** Select the appropriate adapter for your hose size (1/25" to 1.5" D) and securely attach it to the pump's outlet. Then, connect your water feature hose to the adapter. Ensure all connections are tight to prevent leaks.
4. **Position the Pump:** Place the submersible pump in your pond, fountain, or water feature. The pump can be positioned either vertically or horizontally. Ensure the pump is fully submerged in water before connecting to power. The suction cups on the base can help secure the pump to a smooth surface.
5. **Power Connection:** Route the 20-foot power cord to a grounded electrical outlet. Ensure the cord is not pinched or damaged. Do not plug in the pump until it is fully submerged.



Image: An exploded view showing the pump, filter cage, impeller, mesh bag, and power cord, illustrating the various components.

# EFFICIENT & QUIET

- ▶ **PUMPS 3000 GPH USING ONLY 132 WATTS**
- ▶ **FILTERS OUT PARTICLES AS SMALL AS 0.16**
- ▶ **LIFT HEIGHT OF 14.8'**



- ▶ **MESH BAG FILTERS OUT LARGE DEBRIS TO KEEP PUMP RUNNING EFFICIENTLY**
- ▶ **LOW DECIBEL PUMP (30-40db) DOESN'T DISTRACT FROM AMBIANCE**



Image: A diagram illustrating the versatility of the pump, showing it can be used in or out of water, vertically or horizontally, with various hose adapters and a 5-position nozzle.



Video: An official product video from Alpine Corporation demonstrating the Vortex Pump 3000GPH and its 20 ft. cord, highlighting its features and versatility for pond setups.

## OPERATING INSTRUCTIONS

1. **Ensure Submersion:** Verify that the pump is completely submerged in water before plugging it into the power outlet. Running the pump dry can cause damage.
2. **Connect to Power:** Plug the power cord into a suitable, grounded 110-volt AC electrical outlet. The pump will begin operating immediately.
3. **Monitor Flow:** Observe the water flow from your feature. If the flow is weak or inconsistent, refer to the Troubleshooting section.
4. **Disconnecting:** To turn off the pump, simply unplug it from the electrical outlet.

## MAINTENANCE

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Regular maintenance ensures optimal performance and extends the life of your pump.

1. **Clean Mesh Bag:** Periodically remove the pump from the water and clean the mesh bag. Rinse off any accumulated debris, leaves, or sediment.
2. **Clean Filter Cage and Impeller:** The filter cage can be snapped off for easy access. Clean the inside of the filter cage and inspect the impeller for any blockages or buildup. Use a soft brush and clean water to remove any stubborn debris.
3. **Inspect Cord:** Regularly check the power cord for any signs of damage, cuts, or fraying. If damage is found, discontinue use and replace the pump.
4. **Winterization:** In freezing climates, remove the pump from the water before the first frost. Clean it thoroughly and store it in a frost-free location, submerged in a bucket of water or completely dry, to prevent damage to internal components.



Image: A close-up of the pump inside its protective mesh bag, emphasizing the mesh bag's role in filtering debris.

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1/25"-1.5"D
- ▶ **5-POSITION NOZZLE**



Image: A diagram showing the filter cage being snapped off from the pump body, indicating ease of access for cleaning.

## TROUBLESHOOTING

| Problem                         | Possible Cause                                                                     | Solution                                                                                                      |
|---------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Pump does not start or operate. | No power; clogged impeller; damaged motor.                                         | Check power connection and outlet. Unplug and clean impeller. If still not working, contact support.          |
| Reduced water flow.             | Clogged mesh bag or filter cage; debris in impeller; kinked hose; low water level. | Clean mesh bag and filter cage. Remove debris from impeller. Straighten hose. Ensure pump is fully submerged. |
| Pump is noisy.                  | Debris in impeller; pump not stable; running dry.                                  | Clean impeller. Ensure pump is securely placed and fully submerged.                                           |

| Problem                   | Possible Cause                                         | Solution                                                                                      |
|---------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Water is cloudy or dirty. | Insufficient filtration; pump not running efficiently. | Ensure mesh bag and filter are clean. Consider additional filtration if needed for pond size. |

## WARRANTY AND SUPPORT

The Alpine Corporation PEG3000 pump is backed by a **3-year manufacturer support program**. For technical assistance, warranty claims, or replacement parts, please contact Alpine Corporation customer service. Contact information can typically be found on the manufacturer's website or original product packaging.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question