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Alpine Corporation PEG5600

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Model: PEG5600

Brand: Alpine Corporation

1. PRODUCT OVERVIEW

The Alpine Corporation PEG5600 5600 GPH Vortex Energy-Saving Pump is designed for water circulation in outdoor water features such as ponds, fountains, waterfalls, and decorative streams. This submersible pump provides a maximum flow rate of 5600 gallons per hour, supporting aquatic health and reducing water stagnation. It operates quietly and efficiently at 324 watts. The vortex impeller technology is designed to handle large volumes of water and debris. Its versatile design allows for vertical or horizontal placement, and its durable housing is built to resist wear from debris and long-term underwater exposure.



Figure 1: Alpine Corporation 5600 GPH Vortex Submersible Water Pump, shown in its teal and black casing.

2. KEY FEATURES

- **High Performance:** Delivers 5600 gallons per hour (GPH) for effective water movement in large water features.
- **Energy Efficient:** Operates at 324 watts, balancing power with reduced energy consumption.
- **Quiet Operation:** Engineered for minimal noise output to maintain a tranquil outdoor environment.
- **Versatile Installation:** Supports both vertical and horizontal placement for flexible setup options.
- **Durable Design:** Features vortex impeller technology and rugged housing for debris resistance and long-term performance.
- **Long Power Cord:** Includes a 20-foot power cord for extended reach.
- **Includes Mesh Bag:** A mesh bag is provided to prevent large debris from entering the pump.

A black mesh bag is shown attached to the bottom of a black pipe. The bag is made of a fine, dark mesh material and is currently empty. A callout circle with a teal border and the text "MESH BAG INCLUDED" in blue capital letters is positioned to the right of the bag. The entire setup is against a plain white background.

**MESH
BAG
INCLUDED**

Figure 2: Summary of Vortex Pump features, including high-performance impeller, versatile installation, mesh bag, adapters, and warranty.



Figure 3: Key components of the pump, illustrating the large pre-filter, vortex impeller, included mesh bag, and 20-foot power cord.

3. SETUP INSTRUCTIONS

1. **Unpack the Pump:** Carefully remove the pump and all accessories from the packaging. Inspect for any damage.
2. **Choose Placement:** Determine whether to install the pump vertically or horizontally based on your water feature design. The pump is designed for submersible use.
3. **Attach Hose Adapter:** Select the appropriate hose adapter (1.5" or 2") for your tubing. Thread the adapter securely onto the pump's outlet.
4. **Connect Tubing:** Attach your water tubing to the hose adapter. Secure it with a hose clamp (not included) if necessary to prevent leaks.
5. **Install Mesh Bag (Optional but Recommended):** Place the pump inside the provided mesh bag. This will help prevent larger debris from entering the pump and clogging the impeller.
6. **Position the Pump:** Place the pump in the desired location within your pond or water feature. Ensure it is fully submerged and stable. The suction cups on the base can help secure it to a flat surface.
7. **Route Power Cord:** Carefully route the 20-foot power cord to a GFCI (Ground Fault Circuit Interrupter) protected outdoor electrical outlet. Avoid kinks or damage to the cord.

EFFICIENT & QUIET

- ▶ PUMPS 5600 GPH USING ONLY 324 WATTS
- ▶ FILTERS OUT PARTICLES AS SMALL AS 0.16
- ▶ LIFT HEIGHT OF 22.5'



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



Figure 4: The pump offers versatile installation options, allowing for both vertical and horizontal placement to suit various water feature designs.

4. OPERATING INSTRUCTIONS

1. **Ensure Submersion:** Before plugging in the pump, ensure it is completely submerged in water. Operating the pump dry can cause damage.
2. **Plug In:** Plug the pump's power cord into a GFCI-protected outdoor electrical outlet. The pump will start operating immediately.
3. **Monitor Water Flow:** Observe the water flow from your fountain, waterfall, or stream. Adjust the position of the pump or any flow control valves (if present in your system) to achieve the desired effect.
4. **Continuous Operation:** This pump is designed for continuous operation. For optimal water quality and feature performance, it is recommended to run the pump consistently.
5. **Power Off:** To stop the pump, simply unplug it from the electrical outlet.

Your browser does not support the video tag.

Video 1: Official product video demonstrating the Alpine Corporation 5600 GPH Vortex Energy-Saving Pump in operation, highlighting its features and versatility.

5. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your pump.

- **Disconnect Power:** Always unplug the pump from the electrical outlet before performing any maintenance.
- **Clean Mesh Bag:** If using the mesh bag, regularly remove and clean it to prevent debris buildup that can restrict water flow.
- **Clean Pre-Filter and Impeller:** The pump's pre-filter and impeller housing can be easily disassembled without tools (refer to Figure 5). Remove any accumulated debris, algae, or mineral deposits from the impeller and its housing. Use a soft brush and clean water.
- **Inspect Power Cord:** Periodically check the power cord for any signs of damage, fraying, or cuts. Replace the pump if the cord is damaged.
- **Winter Storage:** In freezing climates, remove the pump from the water before the first frost. Clean it thoroughly, dry it, and store it in a frost-free location.



Figure 5: The pump's pre-filter and impeller housing can be easily disassembled for cleaning without tools, as shown in this exploded view.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not run.	No power; clogged impeller; damaged motor.	Check power connection and GFCI outlet. Unplug and clean impeller. If motor is damaged, contact support.

Problem	Possible Cause	Solution
Reduced water flow.	Clogged pre-filter/mesh bag; clogged impeller; kinked tubing; insufficient water level.	Clean pre-filter/mesh bag and impeller. Check tubing for kinks. Ensure pump is fully submerged.
Pump is noisy.	Debris in impeller; pump not stable; pump running dry.	Unplug and clean impeller. Ensure pump is stable and fully submerged.

7. SPECIFICATIONS

Attribute	Value
Brand	Alpine Corporation
Model Number	PEG5600
Maximum Flow Rate	5600 GPH (Gallons Per Hour) / 93.3 GPM (Gallons Per Minute)
Maximum Lifting Height	22.5 Feet
Power Consumption	324 Watts
Voltage	110 Volts
Power Source	Corded Electric
Cord Length	20 Feet
Product Dimensions (L x W x H)	10"L x 6"W x 6"H
Item Weight	10 Pounds
Material	ABS 90%
Color	Black/Teal

VERSATILE

Provides ultimate flexibility for multiple set-ups

- ▶ **USE IN OR OUT OF WATER**
- ▶ **WORKS VERTICALLY OR HORIZONTALLY**
- ▶ **ADAPTER ACCOMMODATES HOSES**
1.5"-2"D
- ▶ **5-POSITION NOZZLE**



Figure 6: Detailed specifications including dimensions, electrical ratings, and flow capacity.

8. WARRANTY AND SUPPORT

The Alpine Corporation PEG5600 pump is backed by Alpine Corporation's 1 Year manufacturer support. For warranty claims, technical assistance, or replacement parts, please contact Alpine Corporation customer service directly. Please retain your proof of purchase for warranty validation.