

# Limited Warranty Information

Thank you for choosing an Alpine product! We aim to please with our wide range of products including Fountains, Birdbaths, Statuary, Pond Supplies & More. All of our products are constructed from the highest quality materials. In the event that we have not achieved our usual standard of excellence, we will repair or replace, at our discretion, within the warranty period. A valid proof of purchase, with the purchase date clearly indicated, must be provided. Photos of defective merchandise will also be required to help distinguish the actual cause of the defect. Please read below for a detailed description of warranty coverage.

- **Water Damage**

Alpine products are not manufactured to withstand extreme temperatures. Improper storage that allows water to freeze within a product may cause damage and is considered negligence and will, therefore not be covered under this warranty. The use of "hard water" and/or caustic cleaners can affect the paint or other finishes. Failure to keep the unit clean, and use of such additives/cleaners, will also void the warranty. Please note: for fountains, it is normal for some splashing to occur and protecting the immediate surfaces is not the responsibility of Alpine Corporation

- **Paint & Color (Retention and/or Loss)**

The use of water will cause natural erosion to the color. This area can be touched up using standard paint. The paint is designed protect the entire finish against breakdown of color. As with any product, all finishes with time will gradually fade and discolor. The warranty will only cover against severe or complete fading within the first year from date of purchase with the above exclusion.

- **Procedure/Service**

Should a warranty/claim be needed, you should contact the retailer from whom you purchased the product. If that is not an option, you can contact Alpine Corporation at [www.alpine4u.com](http://www.alpine4u.com). When contacting Alpine Corporation, you must be prepared to show proof of purchase, provide photographs and any other information needed to validate your claim. This may be necessary to distinguish between a partial or complete replacement of a defective product. The warranty does not cover any items with multiple parts; the warranty will ONLY cover the individual component of the unit/item that may be defective. Replacement parts can be made available to a consumer through the original selling party, or an approved parts retailer. If this is not an option, contact our customer service department. Item is covered under one year limited warranty from the date of purchase. When requesting replacement parts due to a warranty claim after 30 days of purchase, credit card information will be requested for shipping charges.

- **Not Covered Under Warranty**

The limited warranty will NOT cover cases of damages due to

1. Damages caused in Transit
2. Inadequate care and/or neglect
3. Environmental and/or natural elements
4. Immersion in water, unless specified
5. Improper Installation/Storage and/or Maintenance

*This warranty is void if the product has been damaged by accident, misuse, negligence, improper installation and/or modifications have occurred. This includes any and/or all defects arising out of freezing water damage, hard water damage, failure to keep the unit clean and free of harmful additives such as bleach, chlorine, etc.... which affects the paint and/or parts. This warranty also does not cover any additional charges or installation, removal, disposal and/or shipping costs or consequential damage associated with any warranty claim*



## P450/550 Powerhead Pump



*3 Year Warranty*

# Assembling & Using Your Product

Unpack all components carefully. Please check to ensure all parts have been removed from the packaging.

## Instructions for using Alpine Surge Pumps

The Alpine Surge Pumps are quality products, designed using the very latest technological developments. The pumps are suitable for use in ponds, aquariums, fountains and filter systems. The pumps have been developed on the basis of the so-called synchronous technology, whereby the electrical parts are fully encapsulated in epoxy resin.

## Operation

Read these instructions very carefully before you start. Never let the pump run dry. Place the pump below the water surface on a stable surface that is free of sludge, sand and other debris. This pump is suitable for pumping water with a minimum temperature of 39 degrees Fahrenheit and a maximum temperature of 95 degree Fahrenheit.

## Safety Requirements

The power supply must comply with the specifications on the product. If necessary, refer to your local electricity supplier's instructions for connection conditions. If the pump or power cable do not comply, do not connect the equipment. The pump must be connected to a socket with an inbuilt earth connection. An earth leakage circuit breaker (30mA) must be incorporated into the circuit concerned. Never pull on the pump by the cable and never remove the pump from the pond by pulling on the cable. Never remove the plug nor shorten the cable. Your warranty is invalidated if you do not comply with the above. Keep the connection (plug and socket) dry. Always switch off the power before cleaning the pump or carrying out pond maintenance. The electricity cable cannot be replaced. If the cable becomes damaged, you must dispose the pump.

## WARNING

Risk of electric shock – this pump is supplied with a grounding conductor and grounding type attachment plug. To reduce the risk of electric shock, be certain that it is connect only to a properly grounded, grounding-type receptive. To reduce the risk of electric shock, use only in portable self-contained fountains no larger than 5 feet in any dimension,

## Maintenance and Cleaning

The pump does not require lubrication or special maintenance. All that is required is to check the filter chamber from time to time to clean it if necessary using clean water. If the pump chamber is very dirty, you will have to disconnect it from the motor element (bayonet connection) and carefully remove the rotor (Please follow diagram 1 below). Once you have cleaned the pump, re-assemble it in reverse order. Cleaning frequency will depend on the conditions under which the pump is used. Do not allow the pump to freeze up in the winter. Make sure you remove the pump from the pond/fountain and store it in a frost-free place. Do not run dry as this can cause it irreparable damage.



Diagram 1

## Components:

- Pump
- 2 Fittings

ALPINE POWERHEAD PUMP INFORMATION													
ALPINE ITEM #	WATTS	MAX FLOW	MAX HEIGHT	OUTLET CONNECTION	CORD LENGTH	FILTER	GPH FLOW RATE						
							2ft	4ft	6ft	8ft	10ft	12ft	14ft
P280	17	280	5' 9"	1/2"	16'	Yes	201	141	39	--	--	--	--
P450	30	450	6' 5"	1/2"-3/4"	16'	Yes	292	213	104	--	--	--	--
P550	35	550	7' 2"	1/2"-3/4"	16'	Yes	369	264	145	--	--	--	--
P1000	70	1000	8' 7"	3/4"	33'	Yes	765	648	464	302	--	--	--
P1340	125	1340	12' 6"	3/4"	33'	Yes	818	738	627	545	454	219	--
P1630	145	1630	13' 4"	3/4"	33'	Yes	971	852	728	572	554	230	--
P2160	226	2160	16' 4"	1"	33'	Yes	1975	1783	1641	1487	1162	845	370

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