

E INSTRUCTION FOR USING ALPINE'S CYCLONE POND PUMPS:
ALPINE'S CYCLONE POND 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.

i USE
The pumps have an economical, powerful and reliable motor. Alpine's Cyclone Pumps are equipped with a Pre-Filter, ceramic shaft and therefore also suitable for use in salt water. It can be used vertical or horizontal.

⚠ OPERATIONS
Read these instructions very carefully before you start. Never let the pump run dry. Place the pump at least 0.15 m and no more than 1 m 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 4°C (40°F) and a maximum temperature of 35°C (120°F).

⚡ 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 (30 mA) must be incorporated into the circuit concerned.
Never pull 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 guarantee is invalidated if you do not comply with the above.

Keep the connection (plug and socket) dry.

The pump is not suitable for use in swimming pools. Swimming ponds or other situations where persons could make bodily contact with the water. 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.

U.K.: This pump is intended to be used with either a weatherproof cable connector or permanently connected to the fixed wiring of the main system other than by means of a plug and a socket. For this a double pole switch with at least 3 mm contact gaps is required. The cores in the supply cable are colored in accordance with the following code: brown = live; blue = neutral; green/yellow = earth.

⚙ 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 and 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 motor. 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. Therefore make sure you remove the pump from the pond and store it in a frost-free place, e.g., in a bucket of water.

The pump must not be allowed to run dry as this can cause it irreparable damage.

Item	Amps (Min-Max)	Watts (Min-Max)	Max Flow	Max. Height	Outlet Connection	Cord Length
PAL2100	1.6	190	2100	17'	1 1/2"	33ft
PAL3100	2.3	250	3100	19'	1 1/2"	33ft
PAL4000	2.4 - 2.6	260 - 310	4000	21'	1 1/2" - 2"	33ft
PAL5200	3.6 - 3.9	360 - 440	5200	25'	1 1/2" - 2"	33ft
PAL6550	4.5 - 4.8	500 - 500	6550	26'	1 1/2" - 2"	33ft
PAL8000	6.0 - 8.10	600 - 700	8000	26'	1 1/2" - 2"	33ft

Alpine's **CYCLONE** pump



PAL2100 • PAL3100 • PAL4000 • PAL5200 • PAL6550 • PAL8000



Alpine
CORPORATION