




■ PREFACE

Thank you for purchasing the AquaEuro inside/outside water submersible pump. For optimum performance and safety, please read the instruction manual completely before operating this pump product.

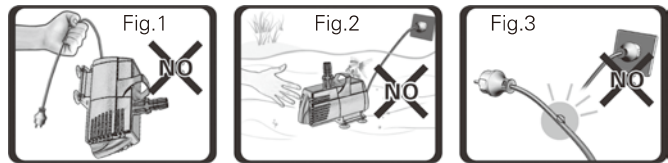
■ SAFETY INSTRUCTIONS



**ATTENTION**

Do not operate pump without water! - Pump should be turned off immediately.

Be sure the pump works with sufficient water, DO NOT run pump dry.

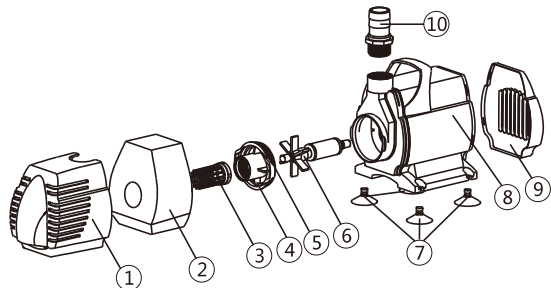


1. Do not lift, lower or carry the pump by the power cord (figure 1)
2. Always disconnect power supply before doing any maintenance or placing your hands into the water (figure 2)
3. The submersible pump should not be used if power supply cord or any other component is damaged in any way
4. The power supply cord cannot be replaced - if the power supply cord is damage the pump must be discarded (figure 3) and replaced with a new pump.

■ USE

- for supplying or draining fresh or saltwater.
- for water supplying and draining for sea fish breeding ponds.
- for wave-making in aquariums, garden watering, water supplying and circulating for fountains, landscaping, water cleaning, water draining in ponds.

■ PARTS LIST



- ① Front cover

② Filter sponge

③ Filter case (Some models do not have)
- ④ Water chamber assembly

⑤ Seal ring

⑥ Rotor assembly

⑦ Suction cups
- ⑧ Main housing

⑨ Back cover

⑩ Water outlet adapter

**Instructions: Turn off power supply before doing any maintenance work!**  
**For use with water only**  
**For use in water:** place the pump with front cover, filter sponge, filter case and water outlet adapter in desired place; position suction cups on pump and attach to aquarium or other place before connecting to power source.  
Do not put power plug into water with the pump!  
If the plug drops into the water, turn off immediately to avoid electric shock.  
If the pump will be used outside of the water, mount it with water intake, outlet adapter and pipe on a flat, solid support base.  
The pump can be used indoors.  
The power supply cord cannot be changed or repaired. The power supply cord cannot be bent or used to carry the pump. If the cord is damaged, do not use the pump.  
**For pond or fountain use:** Mount pump on a secure, flat, solid base, in clear water, do not allow pump to suck up sand or silt.  
Do not use in temperatures higher than 35°C/95°F this will shorten the life of the pump.  
**Warning:** To reduce the risk of electric shock, use only in self contained fountains no larger than five feet in any dimension.  
**Warning:** Keep away from children – children should not play with the pump, they must be supervised at all times by a responsible adult who is responsible for their safety.  
**Warning:** Only use pump if no person is in water.  
**Warning:** DISCONNECT from power supply before placing hands into water. For household and similar use only.  
**Before Operation:**  
**Caution:** Turn off power before doing any maintenance care or repair work.  
**Caution:** Turn off power before placing hands into the water.  
This pump is intended for use with water only.  
Check that the power voltage and frequency are the same as required on the nameplate.  
The pump must be supplied with operating current not exceeding 30 mA.  
Do not lift or lower the pump by the power supply cord.  
**Warning:** Risk of electric shock!  
To reduce the risk of electric shock - be certain that pump is connected to a properly grounded outlet.  
Do not add any lubricant to pump. Do not operate the pump out water. This will damage the pump.



**Submersible pump should not be used if:**

- Power supply cord or any other part is damaged in anyway.
- Power supply cord cannot be repaired or replaced, if damaged or cut, pump must be replaced with a new pump.
- The pump is connected to any voltage or frequency other than what is shown on pump nameplate.
- The plug or receptacle is wet.
- Any part of pump is damage or is leaking.

**During Operation:**

Shut power off immediately to prevent motor from burning out if motor is overloaded due to clogging with foreign material.  
Unauthorized persons are prohibited from disassembling or assembling as it may result in motor damage, contact your supplier.

**After Operation:**

Remove pump from water if outside temperature is forecast to be freezing. When pump is removed from water - Dry pump and impeller chamber completely before running pump again.  
If pump is in water for a long time without running - silt and other foreign matter can accumulate inside of the pump. Place pump in clean water and run to remove silt and foreign debris. Replace after drying.

**Maintenance:**


Always unplug from electrical power before placing hands in water for repositioning pump or routine maintenance.  
Motor unit is hermetically sealed and does not require any other care.  
Impeller assembly is behind an easy to open cover that allows for occasional spot checking for grime and dirt. Gently grasp water chamber cover and turn counterclockwise to remove.  
The water chamber has an effective self-cleaning feature; regular cleaning will lengthen the life of the impeller and motor. Do not clean pump with soap or detergent as they are harmful to fish.

■ TECHNOLOGY DATA

Model	Voltage / Frequency			Hose Diameter
	Power	Qmax	Hmax	
AE-172	9W	171.7gph	4.76ft	Ø20mm
AE-291	16W	291gph	5.90ft	
AE-370	24W	370gph	7.54ft	
AE-529	33W	529gph	7.87ft	
AE-656	43W	656gph	8.65ft	Ø25mm
AE-793	58W	793gph	9.18ft	
AE-1110	92W	1110gph	12.13ft	
AE-1269	110W	1269gph	13.44ft	
AE-1480	153W	1480gph	16.40ft	Ø32mm
AE-1982	250W	1982gph	20.01ft	

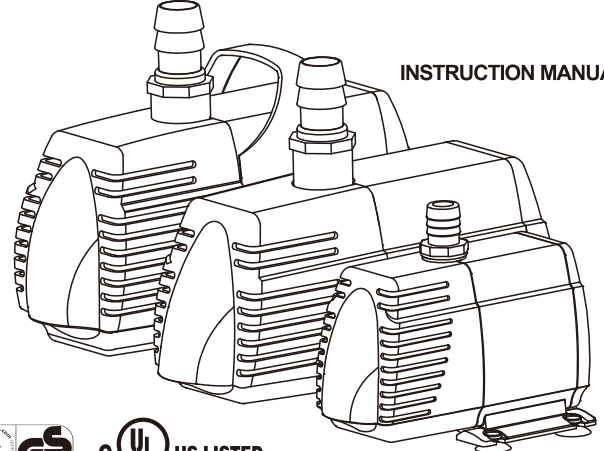
■ TROUBLESHOOTING: Before calling customer service...

PROBLEM	CAUSE	SOLUTION
The pump doesn't run	Power is not turned on	Turn on the power
	Plugged in insufficiently	Plugged in sufficiently
The motor turns on and off without pump running. It suddenly stops and doesn't start again.	Impeller is bound	Remove foreign matters from impeller
	wrong voltage	Use correct voltage
The pump runs with reduced or no performance	The water intake or outlet pipe is clogged with foreign matters	Clean out the foreign matters
	wrong frequency	Use correct frequency
The pump runs normally at the beginning but the water flows sluggishly or there is not water	Impeller worn out	Replace it with a new one
	Water level goes down and the pump is out of the water source	Put the pump into water
	Hose is too long or clogged with foreign matter	Shorten the hose or clean out the foreign matter
	There is air in the impeller chamber	In order to get rid of the air, put the pump into the water. Turn the switch to "ON" then "OFF" intermittently 2 or 3 times






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**Apex - High Performance Pumps**  
**Premium Pumps for Fresh or Saltwater**



INSTRUCTION MANUAL



**CE IP68**

Before operating this appliance, please read this instruction manual completely and keep it handy for future reference.

**MODEL:**  
**AE172/291/370/529/656/793/1110/1269/1480/1982**