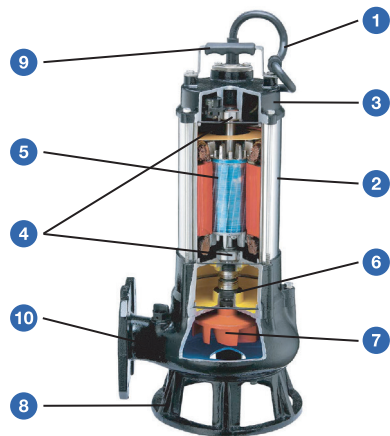


Replacement Parts



No.	Description	Material
1	Cord	B Series Pumps
2	Motor Casing	Stainless Steel 304
3	Motor Cover	Die Casting FC-200
4	Bearing	NBR
5	Motor Shaft	Stainless Steel 403
6	Mechanical Seal	Silicone Carbide & Ceramic
7	Impeller	Die Casting FC-200
8	Pump Base	Die Casting FC-200
9	Handle	Stainless & NBR
10	Discharge	PE & Die Casting FC-200

Aquascape Australia Pond Products Limited Warranty

Aquascape Australia (Aquascape) warrants to the purchaser that this product will be free from any mechanical or material defects for a period of **two years** from the date of purchase. This warranty does not cover accidental damage to the product due to abuse or negligence by the consumer. This warranty only covers properly installed and maintained Products sold by authorised Aquascape Sellers who are subject to and follow Aquascape's quality control standards. Please note that because Aquascape is unable to control the quality of Products sold by unauthorised sellers, unless otherwise prohibited by law, this warranty does not cover Products purchased from unauthorised sellers.

This warranty does not cover normal wear and tear, nor any deterioration suffered through overloading, improper use, negligence, improper installation, acts of nature or accident. Similarly, any modification made by the purchaser to the Product will cause the warranty to be null and void. This warranty does not cover any cost associated with the installation or removal of the Product subject to a warranty claim.

All returned items will be inspected to determine cause of failure before a warranty claim is approved. The exclusive remedies provided hereunder shall, upon Aquascape's inspection and option, be either repair or replacement of the Product or parts covered under this warranty.

Making a Claim: A Return Authorisation ("RA") number must first be obtained by calling Aquascape Australia at 07 5446 7963 or via email at office@aquascapesupplies.com.au. It is the purchaser's responsibility to pay the return shipping charges. Be sure to include the RA number, original receipt (in the form of an invoice or sales receipt), your name, your return address and your phone number inside of the package. No warranty claims will be honoured without the original receipt that shows that your purchase was made from an Authorised Aquascape Seller. Ensure the product is properly packaged and insured for the replacement value. Damage due to improper packaging is the responsibility of the sender.

ALL OTHER EXPRESS OR IMPLIED WARRANTIES INCLUDING MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE ARE HEAREBY LIMITED IN DURATION TO THE DURATION OF THE WARRANTY AS DESCRIBED ABOVE.

Aquascape shall not be held liable for any damages caused by defective components or materials of this Product; or for loss incurred because of the interruption of service; or any consequential/incidental damages and expenses arising from the production, sale, use or misuse of this Product.

Aquascape shall not be held liable for any loss of fish, plants or any other livestock as a result of any failure or defect of this Product.



ASA60000 Submersible High Head Waterfall Pumps

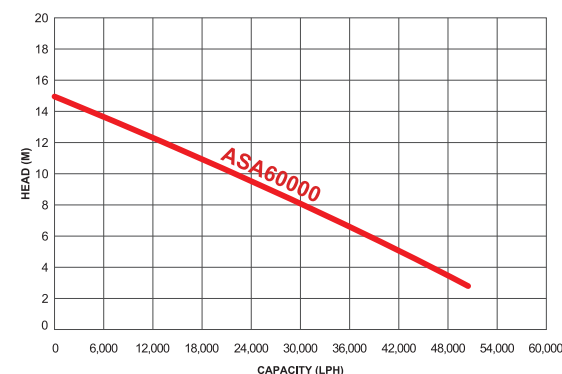
Instructions for Operation • Safety • Warranty

Designed for use with higher head pressure

Thank you for purchasing the ASA60000 waterfall pump. This instruction manual explains the product operations and gives important precautions regarding its safe use. In order to use the product to maximum benefit, be sure to read the instructions thoroughly and follow them carefully.

Specifications

- 3" / 80mm outlet
- Automatic thermal overload protection
- Double silicone carbide mechanical seals with 100,000 hour life expectancy
- Two year limited warranty
- A minimum of 6m head/friction loss pressure required for the ASA60000



Model	HP	Volts/ Max Amps	Weight	Max Head	Max Flow
ASA60000	2	230/12	32 kgs	15m	60000 LPH

Unit have 10m power cords

Safety & Electrical Connections



WARNING: Verify that the voltage and frequency of the electric pump shown on nameplate correspond to those available on mains.

- The installer must make sure that the electric system is grounded in accordance with local ordinances.
- The plug and connections should be protected from water/rain. Before using the pump, always inspect it visually (especially power cable and plug).
- Do not use the pump if it is damaged. If the pump is damaged, have it inspected by a qualified service centre only.
- Make sure electric connections are protected from all water and moisture. Protect plug and the power cable from heat, oil or sharp edges.



WARNING: The power cable must be replaced by qualified personnel only.

Grounding: The plug of the power cable has a double grounding contact, so that grounding can be performed by simply inserting the plug.

Overload Protection: Aquascape pumps have a built in thermal protection switch. The pump stops if an overload condition occurs. The motor restarts automatically after it has cooled down.

Prior to Operation

Check the following points upon receipt of your pump:

- Is the pump exactly what you ordered? Check nameplate.
- Has any damage occurred during shipment?
- Are any bolts or nuts loose?
- Have all necessary accessories been supplied?
- We recommend that you keep a spare pump on hand in case of emergencies. Keep this instruction manual in a place for future reference.

Installation

Limitations:

This pump must stay submerged entirely when operating. If used in a pump vault, the vault intake must be kept clean to ensure adequate water flow to the pump. If running in a dam, we recommend installing the pump off the bottom. Running pump low on water will cause overheating and premature failure which is not covered under warranty.

This series of pumps are suitable to pump water and also can be used both for permanent and temporary installation. The pump can be placed in a sump pit, then can pump dirty water containing suspended solid particles up to 12mm diameter.



WARNING: The pump cannot be used for sea water, chlorinated water and flammable, corrosive, explosive or dangerous liquids.

Installation:



WARNING: Do not work on pump until power is unplugged.

Do not cut off ground pin or use an adapter fitting.

Do not use an extension cord

Must be used on a Residual Current Device (RCD) protected outlet

Do install the strainer prior to using if you want to let the pump run as a sump pump.

The pump power cord should be connected to a separately fused, grounded line with a minimum capacity of 15 amps. It can be connected to non- fuse breaker at the recommended amps. Never touch the pump when it is plugged in.

1. Before installing or servicing this pump, be certain pump power source is disconnected. Contact a qualified licensed electrician for disconnecting electrical service prior to pump removal.
2. Installation and electrical wiring must adhere to state/local codes and must be completed before priming pump. Check appropriate community agencies, or contact local electrical and pump professionals.
3. Call an electrician when in doubt. Pump should be connected to a separate 15 amp circuit breaker or 15 amp fuse block. Note that, plugging into existing outlets may cause low voltage at motor, causing blown fuses, tripping of motor overload or burned out motor.



WARNING: Must be vented in accordance with local plumbing codes. Aquascape pumps are not designed for and CANNOT be installed in locations classified as hazardous.



WARNING: The following may cause severe damage to pump and will void warranty:

- Using an extension cord
- Cutting off the ground pin or using an adapter fitting
- Working on pump or switch while plugged in
- Removing motor housing, unscrewing impeller or otherwise removing impeller seal
- Pumping chemicals or corrosive liquids including chlorinated or salt water
- Pumping gasoline or other flammable liquids
- Piping: Plastic PVC pipe, drain hose, galvanized steel or copper pipe may all be used. All piping must be clean and free of all foreign matter to prevent clogging. Be sure to seal the thread connection with tape seal when you are using the pipe fitting to connect the flange.

TB High Head Pump Trouble Shooting

Humming

- Line circuit breaker is off, fuse is burned or loose
- Pump cord is not making contact in receptacle
- Float (optional) is stuck, it should operate freely
- May have air lock

Running, no water

- Check valve (optional) is installed backwards
- Discharge shut-off valve closed
- Inlet or impeller clogged
- Pump is air-locked, start and stop several times by plugging and unplugging cord, check for clogged vent hole, may need to disconnect and reinstall pump.
- Inlet holes in pump base are clogged, remove pump and clean the openings.
- Vertical pumping distance is too high or the pipe size is too small, reduce vertical distance or increase the pipe size fittings.

Running, very little water

- Pump is air-locked, start and stop several times by plugging and unplugging cord, check for clogged vent hole
- Vertical pumping distance is too high or the pipe size is too small
- Inlet or impeller clogged/damaged
- Low water conditions with pump sucking air

RCD breaker tripping

- Fuse size or circuit breaker may be too small.
- Motor stator may be defective
- Pump impeller or inlet is partially clogged with debris

Motor briefly starts and stops

- Low water conditions, pump overheating
- Inlet or impeller clogged
- Improper power supply
- Motor stator may be defective

Each year we receive numerous pumps back that simply have a small stone lodged in the impeller, are plugged from lack of cleaning or do not work due to low voltage caused by an overloaded circuit. These are not warranty items. Please take the time to verify your problem is actually a defective pump before returning. Aquascape will pay postage to return pump to you provided it is a warranty issue. If you send a pump in for warranty and it checks out fine — you will also be responsible for the cost of return postage.