



Instructions for Birds Choice Waterfall Rocks

AAW310, AAW311 or AAW313

Safety - All safety instructions are in bold print.

To avoid the risk of serious electric shock, the pump should only be plugged into a ground fault circuit interrupter (GFCI) outlet. Also, monitor the electric cord for possible abrasions where it comes out from the rock and where it goes over the edge of the bird bath. Replace the pump with cord if it becomes abraded. The waterfall rock should only be used in a sturdy bird bath capable of supporting 4 lbs. If small children are present, note that they have a fascination with moving water and may pull a pedestal bird bath over on themselves trying to get to the waterfall rock and pump.

Instructions

The waterfall rock comes with the pump installed in it. If for some reason this is not the case, you will need to attach the pump to the small tube-like piece protruding from the inside of the rock. This piece fits inside the hole in the top of the pump. Then put the cord through the notch in the rock. By doing this, it prevents the rock from resting directly on top of the cord and abrading it.

To operate, simply set the waterfall rock with pump into any suitable bird bath with at least one inch of water. Let the rock sit in the water for about five minutes to allow air trapped in the internal cavity to bleed out of the top. Then plug it into an extension cord from a GFCI outlet. If the pump does not start pumping in about 20 seconds, unplug it. Add some more water and retry. Once the pump is primed, it will operate in one inch of water. It is essential that you do not allow the pump to run dry as this will cause it to overheat and become inoperable.

The bird bath should not be so close to a bird feeder that seed hulls fall into the water because these will rapidly obstruct the pump inlet. You may wish to add some 3/8" pea gravel to the bath around the waterfall rock to act as a filter.

Clean the bath and the rock on a regular basis. To clean the pump, unplug it and remove the waterfall rock with pump from the bird bath. Then rinse it out using a garden hose to flush water down the hole in the top of the rock and out through the pump. If you need to clean the rock, you can remove the pump from the inside of the rock by simply pulling it out. You can scrub the rock with a mild soapy detergent and a scrub brush or you can soak the rock in a vinegar and water mixture (1 part white vinegar/9 parts water) and then scrub it clean. Be sure to rinse the rock thoroughly with water before putting the pump back in and placing the waterfall rock back into your bird bath.

Refer to the enclosed pump instructions to disassemble the pump if required.



OWNER S MANUAL

FLOW PERFORMANCE

MODEL	VOLT	HZ	WATT	H-CM	L/H	SIZE	
TP-180 (OK-66)	120	60	4	50	180	L	40
	220-240	50	4	50	180	W	35
	12	60	2	50	180	H	30
	12	50	2	50	180		
TP-200	120	60	4.5	70	200	L	48
	220-240	50	5	70	200	W	44
	12	60	2.5	70	200		
	12	50	2	70	200		
TP-300	120	60	5	75	300	L	60
	220-240	50	5.5	70	300	W	50
	12	60	5	75	300		
	12	50	4.5	70	300		
TP-400	120	60	6	90	400	L	67
	220-240	50	6	70	400	W	43
	12	60	5	90	400		
	12	50	4	70	400		
TP-450	120	60	7	110	450	L	67
	220-240	50	6	100	450	W	43
	12	60	6.5	110	450		
	12	50	6.5	100	450		
TP-500	120	60	8	95	500	L	73
	220-240	50	7.5	90	500	W	50
	12	60	8	95	500		
	12	50	9	90	500		
TP-600	120	60	10	120	600	L	73
	220-240	50	9	110	600	W	50
	12	60	11	120	600		
	12	50	10	110	600		
TP-750	120	60	11	130	700	L	70
	220-240	50	10	135	700	W	50
	12	60	12	130	700		
	12	50	13	135	700		
TP-1000	120	60	19	170	1000	L	90
	220-240	50	18	170	1000	W	58
	12	60	21	170	1000		
	12	50	17	170	1000		
TP-1200	120	60	30	190	1200	L	90
	220-240	50	30	190	1200	W	58
	12	60	30	190	1200		
	12	50	32	190	1200		
TP-1500	120	60	30	220	1500	L	103
	220-240	50	25	220	1500	W	77
	12	60	25	220	1500		
	12	50	27	220	1500		
TP-2000	120	60	35	300	2000	L	102
	220-240	50	45	280	2000	W	77
TP-2500	120	60	35	280	2500	L	102
	220-240	50	45	280	2500	W	77
TP-3000	120	60	62	310	3000	L	131
	220-240	50	70	335	3000	W	90
TP-3500	120	60	72	335	3500	L	131
	220-240	50	85	335	3500	W	90



OK-66
TP-180

Our pump,extremely robust,
is designed with solid
craftsmanship.It is widely
used in water fountains and
all types of aquariums.



TP-200

Complied with various
internation safety
requirements,all live parts
are with safe varnish coating
to protect the user from
electric shock.



TP-300



TP-400
TP-450

Used according to the
following instructions
and maintenance programs,
the pump will have years of
satisfactory performance.



TP-500
TP-600



TP-750



TP-1000
TP-1200

The data in this manual are
basic data. Maybe there will
be great difference during
our actual production due
to the technical improvements
or owing to the customers
requirements. If you want to
obtain detailed and accurate
data/parameter, please
feel free to contact your
supplier of factory.



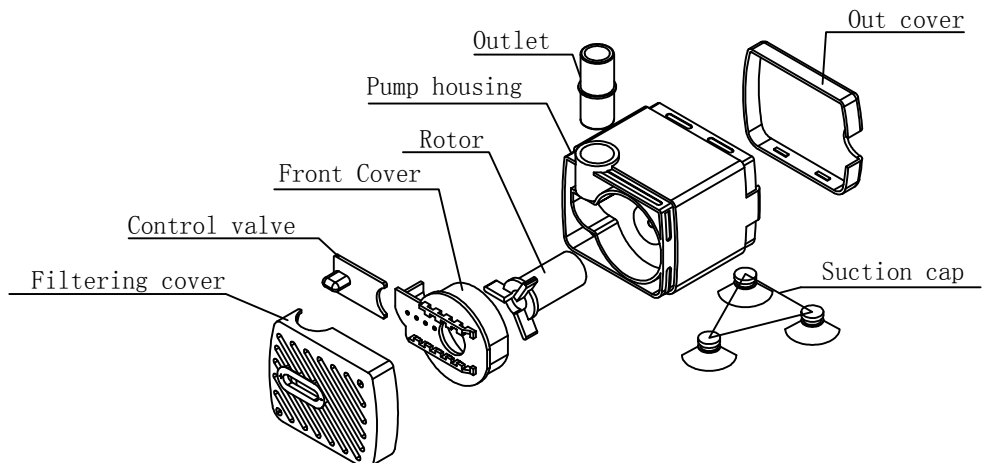
TP-1500



TP-2000
TP-2500



TP-3000
TP-3500



SAFETY INSTRUCTIONS

The manipulation and utilization of our pump are very simple and convenient. The user just needs to pour a suitable height level of water and link the pump with the outlet water pipe and then connect the pump with power supply in accordance with the mark on the label. This the pump can run well.

To reduce risk of electric shock

- Always unplug the pump from the electric outlet before cleaning and handling.
- Use with clean water only. Do not place it in other liquid. Never let the pump run dry.
- OPTION-The pump is supplied with grounding conductor and a grounding type attachment plug, and must be connected only to a proper ground outlet to reduce the risk of electric shock.
- Do not use the pump in water above 90F or 30°C.
- Prevent the water from running into the electrical outlet down the cord.
- Do not lift, carry, or pull the pump by the power cord.
- Do not replace the pump cord. Stop using the pump if it sustains damage.

TO clean the pump

Unplug the pump from electrical outlet. Use a small soft brush or place it under water stream to remove debris.

To keep water clean

Periodically change water to prevent water from becoming sticky and forming microorganism.

TROUBLESHOOTING

If the pump fails to run, the following should be checked,

- Check the circuit breaker, or try a different outlet to make sure that the pump is getting electrical power. NOTE-Always disconnect the pump from electrical outlet before checking.
- Check the pump discharge and tubing for kinks and obstructions.
- Algae buildup can be flushed out with a garden hose.
- Remove the pump front cover & plate to access the impeller area. Turn the rotor to ensure it is not broken or jammed.

With little flow rate, the pump will spew or "intermittent"

- Check the water level to make sure the pump is completely submerged.

If abnormal noise is heard during operation (with water),

- First disconnect the power supply and then remove pump front cover & plate.
- Use hand to grip the impeller, gently pull the impeller/rotor assembly out of the pump housing.
- Rinse the impeller/rotor assembly and the cavity with clean water. If breakage or surface damage is found on the assembly, contact your distributor for part replacement.

Minimum Water Level

