

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	H	32
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	H	47
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	H	54
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	H	54
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	H	59
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	H	59
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	H	59
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	H	73
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	H	73
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	H	125
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



TP-500
TP-600

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



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.



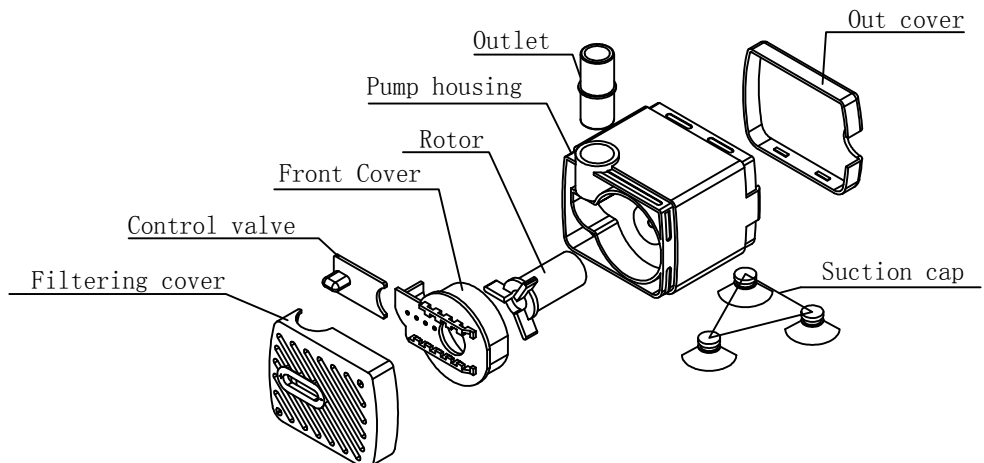
TP-1500



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

