

Water Master Pump™

Operating Manual & Specifications

Read entire instructions before operating the unit.

Congratulations on your purchase of this SAVIO Water Master Pump™. With a little care this device can provide you with years of dependable use. This manual covers the functional capabilities of SAVIO Water Master Pump™ models: W1200, W2000, W3000 WM4000 and WM5000.



Great Pumps Are Just Part Of The SAVIO Excellence Line.

SAVIO manufactures a full assortment of products for healthy Livingponds.™ When you want to build it right the first time, think SAVIO.

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Before You Start

SAVIO Water Master Pumps™ are designed for ponds, swimming pools, water storage basins and emptying flooded basements, boats or cellars.

They are not designed for waste water treatment purposes or to pump flammable, corrosive, gaseous or explosive liquids - this will void the warranty. Operating temperature may not exceed 86° F (30° C).

To prevent personal injury resulting from electrical shock, check the pump for possible damage prior to installation.

Important Safety Instructions



WARNING - ELECTRICAL SHOCK HAZARD

This device contains electrical components that can pose significant risk of electrical shock. To guard against injury, observe basic safety precautions. Please read the following:

Precautions

- ✓ ALWAYS unplug the power cord to the pump before handling.
- ✓ To reduce the risk of electrocution, this device must be protected by a ground fault circuit interrupt switch (GFCI). If you do not have this switch contact a licensed electrician before installation.
- ✓ Before connecting the pump to the power source, **verify that the power source is the same voltage and frequency listed on the pump.**
- ✓ Never move or handle device by pulling on the power cord.
- ✓ Always disconnect the pump from power before any service work.
- ✓ Do not remove pump housing while the pump is in use.
- ✓ Product installation should comply with state and local electrical codes.
- ✓ Connect the pump to a separate isolated 15 amp circuit breaker or 15 amp fuse block. Using this product in an low voltage situation can damage the pump motor and other electrical components.
- ✓ Cutting off the ground pin on the power cord voids the pump warranty and could damage the pump.

Package Contents

WM1200 Pumps

Water Master Pump
1" FIPT x ¾" MIPT assembly

WM2000, WM3000, WM4000, WM5000

Water Master Pump
1 ¼" x 2" MIPT adapter
1 ¼" x 2" MIPT adapter
1 ¼" MIPT elbow

Pump installation

- 1) Install the pump in an upright position (handle upward).
- 2) With a 1¼" MIPT adapter (or 1" FIPT for WM1200) and teflon tape, attach the PVC pipe (not included) to pump discharge outlet.
- 3) Place the discharge end of the PVC above water level to prevent accidental siphon draining of the pond when the pump is off.
- 4) Locate the power source away from water. Plug the pump into a ground fault circuit interrupt (GFCI) to prevent electric shock. Do not attempt to install or remove the pump with the power cord plugged in.
- 5) Keep the pump underwater when operating. Failure to operate the pump in water causes overheating and will shorten its service life.
- 6) Place the pump so the intake is kept free from blockage by mud or fibrous materials. Set the pump on a block elevated off the pond bottom. This prevents the pump from pulling in debris that has settled on pond bottom. Do not place on gravel.
- 7) To facilitate pump priming, force trapped air out of the pump housing by submerging it with the discharge outlet facing upward.
- 8) To start pump, simply plug it in.

Maintenance

Before any pump maintenance unplug the power cord from the electrical socket to ensure that it cannot restart on its own.

Remove the pump housing from the pump body and clean it periodically or when a decrease in flow is noted.

- 1) Remove only the screws holding the pump housing to pump body.
- 2) Remove the pump housing from the pump body and carefully clean any debris off the impeller and pump housing.
- 3) Replace the pump housing, taking care to replace the o-ring in the o-groove on the pump body.

If used to pump very dirty water (e.g. a flooded basement) the pump must be rinsed with fresh water and cleaned afterward.

Winterizing

At the end of the season remove the pump from the pond and clean it as outlined above. Under no circumstances should the pump be left in frozen water.

Troubleshooting

Faults	Possible Causes	Remedies
No water flow from pump.	Pump is not plugged in. Pump is not priming.	Connect power plug. Verify pump inlet is submerged in water.
Low water flow from pump.	Debris blocking intake screen or impeller. Flow control valve (not included) set too low. Discharge pipe blocked.	Check screen and impeller for blockage and remove. Check and adjust flow control. Check and remove debris blocking discharge pipe.
Pump runs intermittently.	Thermal protection engaged.	Pump is too hot. Fully submerge. Check inlet and discharge for clogs.

Specifications

TYPE	WM1200	WM2000	WM3000	WM4000	WM5000
Dimensions (h x w)	6 1/2" x 10"	7 3/4" x 11 1/2"	7 3/4" x 11 1/2"	7 3/4" x 12 1/2"	7 3/4" x 12 1/2"
Amps	1.17-1.65"	1.96-2.80	2.17-3.71	2.43-5.06	4.10-6.90
Watts	138-87	236-347	263-449	301-616	442-825
Max Flow	1370	2110	3000	4525	5020
Max Head	19.3'	28.4'	34.2'	41.1'	49.2'
Recommended Pipe Size	1 1/4"	1 1/2"	2"	2"	3"

Warranty

To activate your warranty, and to receive free Water Gardening Newsletters, send in the enclosed warranty card. Savio Engineering, Inc. provides a manufacturer's limited warranty of 12 months from original purchase date. Warranty is non-transferable. Within the warranty period Savio will repair any faulty materials or manufacturing deficiencies, or shall replace the device at their discretion, free of charge. This warranty does not cover any faults caused by improper use or installation of the device or as a result of wear and tear. Savio Engineering, Inc. does not assume liability for consequential damage caused by the failure of the pump. Warranty is void if used as part of a rental program or not in accordance with these instructions. For warranty claims, please contact customer service. Transport the device in the original packaging to avoid damage during transport. Savio is not responsible for damage resulting from shipping.



We welcome your feedback.

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