



# 真清水 Mashimizu

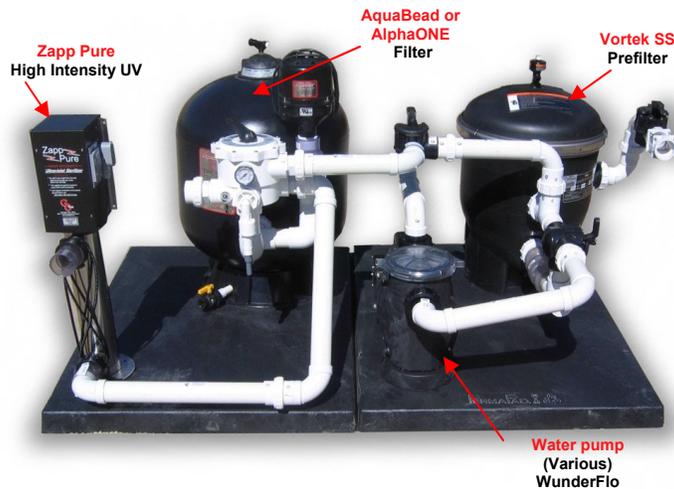
(Pure Water)  
Filtration System

## Congratulations

on your new **MASHIMIZU** System



### Getting to know your MASHIMIZU System



Your filter system was designed to go together easily even for a novice. Each of the components was carefully chosen to provide you with years of dependable service and clear water for you and your pond.

Take a few minutes to look at this manual and familiarize yourself with each of the components and what part they play in the Mashimizu system.

Due to the custom nature of these systems your components may differ slightly from the various components shown, but assembly of the system is basically the same.

You have with this system the following components:

- Vortek SS prefilter
- AquaBead or AlphaONE bio-mechanical filter
- Water pump (can be one of a variety)
- Zapp Pure Ultraviolet light
- Plumbing parts
- Black equipment pad(s)

### Assembly of your MASHIMIZU System



Step 1: Start by laying the Pad(s) on level ground where you want to locate the

equipment.

Taking a few minutes to get to know the different components of your Mashimizu System will assure that you are using it to its maximum potential.

Note: Locating the equipment as close as possible or below the surface grade (water level) of the pond will result in best results. Distance from the pond is not as critical as the distance above the surface grade.

### Grand Champion Technologies

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Follow the numbers and assemble according to number. Connect like "number to like number". Each piece of plumbing is marked with a number such as 1-1, 2-2, 3-3, etc.  
Step 2: Set the filter to the far left side of the pad.

# MASHIMIZU System Assembly



Step 3: Attach the Multiport assembly to the filter. Hand tighten only. (See Filter manual for further instructions if necessary).

Step 4: Set Vortek SS on pad to the back right as shown.



# MASHIMIZU System Assembly



Step 5: Attach "Front Valve Assembly" and "Waste Arm Assembly" to Vortek SS by hand tightening unions.

Step 6: Set pump in position as shown.



# MASHIMIZU System Assembly



Step 7: It's now time to assemble the pipework. This part is done simply by hand tightening (ONLY) the connections of "LIKE NUMBER TO LIKE NUMBER" such as 1 to 1 and 2 to 2 etc.

Step 8: Attach the pipe as shown to the pump and upper fitting of the multiport valve. Be sure to make sure any gaskets that came with the unions are in place before tightening.

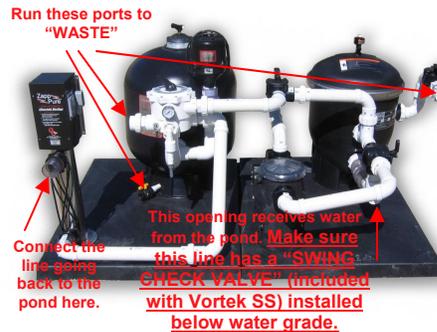


Step 9: Attach "Vortek SS Bypass" As shown.



# MASHIMIZU System Assembly

Step 10: Attach pipework to front of pump and Vortek "Front Valve Assembly"



Step 11: Set Zapp Pure UV at the front left side of the system and attach the pipe-work to the bottom opening of the Multiport and the bottom opening of the UV.



Your Mashimizu system includes a 2" Swing check valve with it. For your system to function properly this valve must be installed below surface grade of the pond.

For proper priming of the system see the additional documentation on the Votek SS. Separate priming instructions came with it.

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