

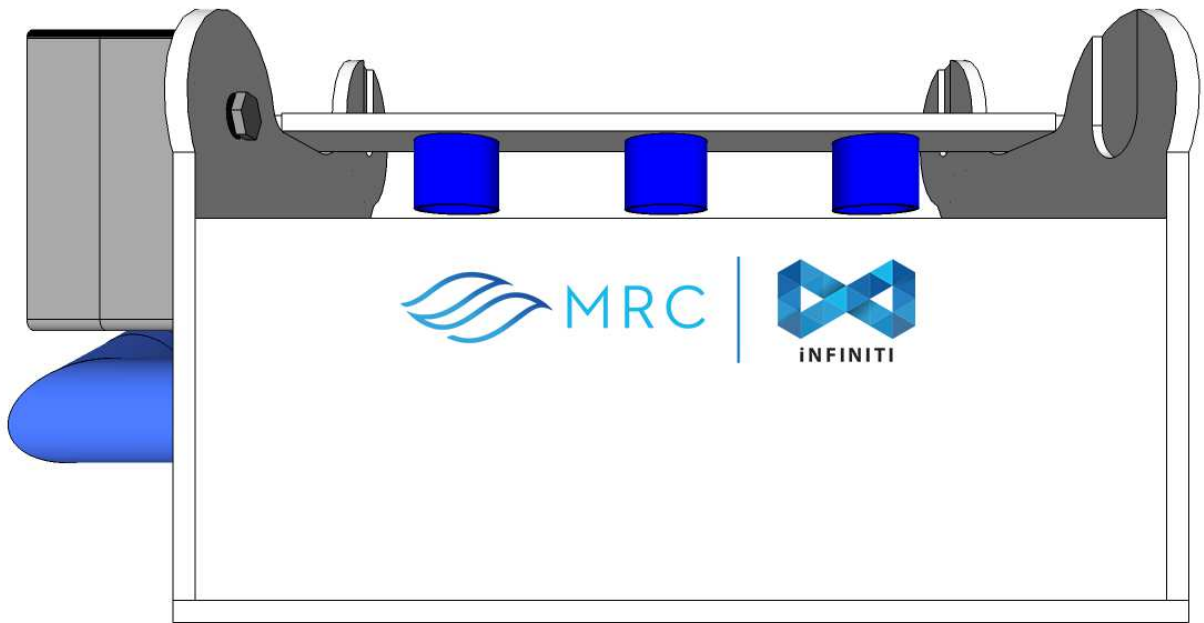


MRC

Building Success

# MRC iNFINITI

## Operating Instructions



# IMPORTANT SAFETY PRECAUTIONS

To guard against injury and electric shock, basic safety precautions should be observed.

1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
2. DANGER – To avoid possible electric shock, special care should be taken.
  - a. DO NOT attempt to repair the unit yourself; return the unit to an authorized dealer.
  - b. Never service the unit while in operation. Unplug the unit before servicing.
  - c. If the electronics show any signs of damage, immediately unplug it from the power source.
  - d. DO NOT operate the unit if it has a damaged cord or plug or if it has been damaged in any manner.
  - e. To avoid the possibility of the power outlet or plug getting wet, employ a drip-loop.
  - f. If the plug or outlet gets wet, DO NOT unplug the cord. Disconnect the circuit breaker that supplies power to the outlet, then unplug the unit and examine for presence of water and let dry. Consult a licensed electrician before use.
3. Close adult supervision is required when used by or near children.
4. Always unplug the unit when not in use or when cleaning. Never pull on the cord to unplug the unit from the outlet. Grasp the plug and gently pull to disconnect.
5. Do not use the unit for any use other than the intended use. The use of attachments or parts not recommended or sold by MRC may cause an unsafe condition and voids any and all warranties.
6. Verify the unit is installed in a secure manner before operating it.
7. If an extension cord is employed, use a cord with the proper amperage rating. Using an inappropriate cord may cause the unit or cord to overheat and may cause a fire. Care should be taken to secure the cord so that it will not be tripped over or accidentally unplugged. Employ a drip-loop. Never use with an extension cord unless the plug can be fully inserted.
8. The unit has a polarized plug. As a safety feature, this plug will fit in a polarized outlet in one way only. If the plug does not fit, consult a licensed electrician. Do not attempt to overcome this safety feature.

# MRC Infinity

Congratulations on your purchase of the MRC Infinity. The Infinity is an automatic roller filtration system. It is best suited outside of a sump (on top). DO NOT submerge as the electronics are not suitable for submerged operation.

## Assembly

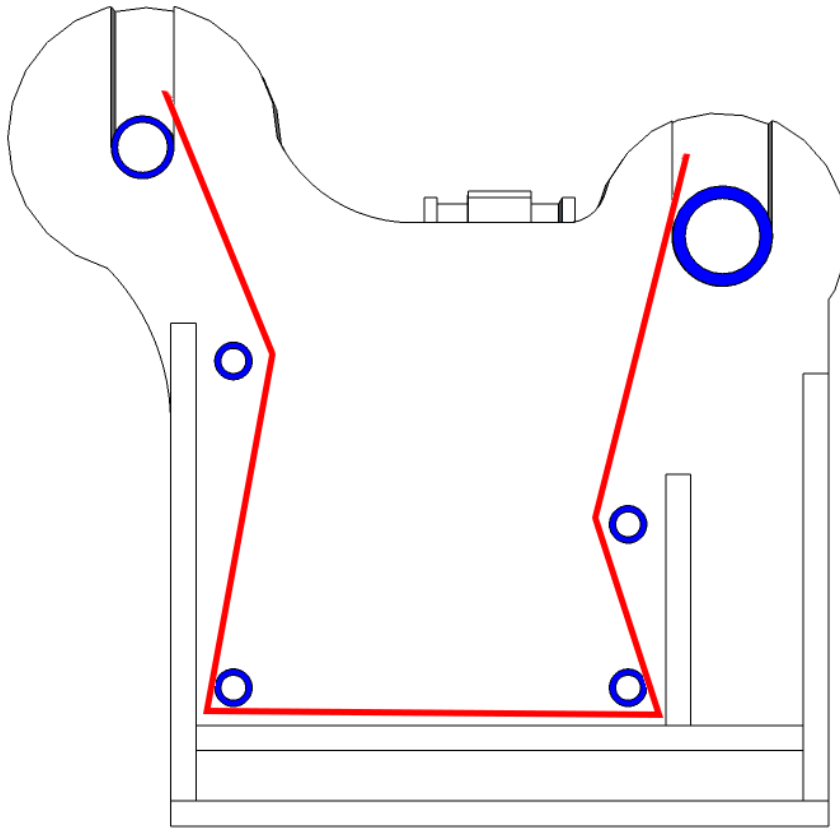
The Infinity has been packaged fully assembled. Each unit is water tested at the factory; condensation or moisture may be present. You will need additional plumbing for the inlets; water exits the unit from below. Remove all tape and wrapping and inspect for damage and packaging materials. Install the Infinity in your Infinity compatible iSump or other sump with the appropriate adapters.

Before installing the Infinity, run the unit with fresh water and water-test to ensure that there has not been any damage during transit and the motor is functional.

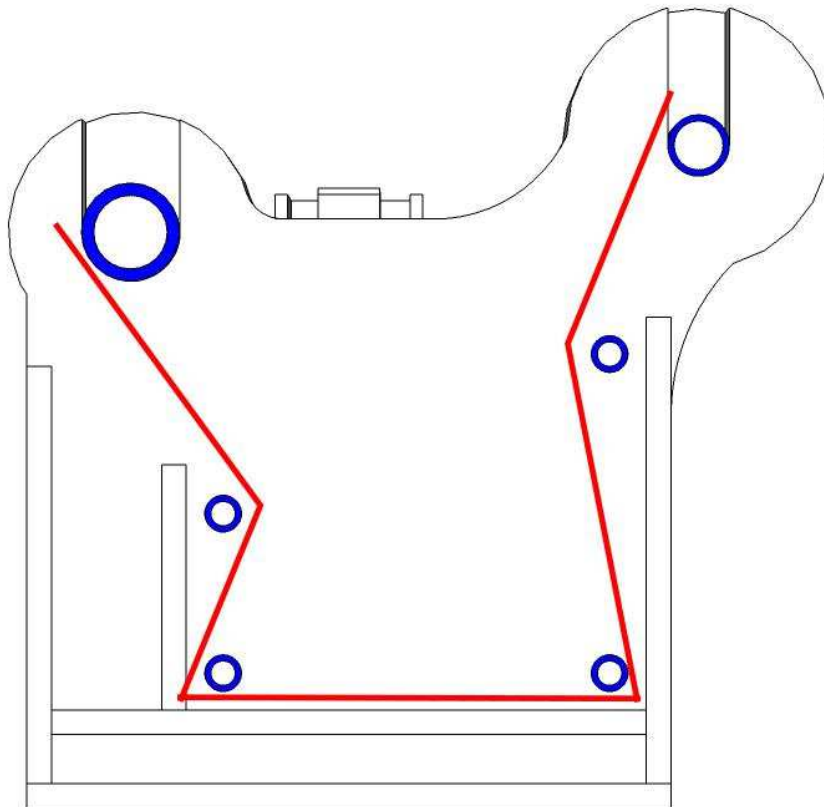
## Installation

- Position the Infinity so that it is above your sump; this will allow the unit to easily drain into the sump. There is no need to glue the Infinity into place.
- The digital controller should be facing outwards; there are 2 models available depending on the direction of flow in your sump
- Check the float valve and make sure it's pointing downwards. If not, loosen the external nut and turn the float. Re-secure the nut and avoid over-tightening.
- Once you have the unit in position, install the drive shaft (blue pipe with hex fitting on one end), by inserting the hex end into male hex fitting, then lowering it into place.
- Unpack HyperSilk roll and set it into place using the smaller blue pipe.
- Remove the tape from the HyperSilk roll and set aside for now. Partially unroll and cut the end to a triangle; this will make threading the material easier.
- Now thread the HyperSilk around the blue guides inside the Infinity. Use the tape to secure the material to the drive shaft. Make sure the HyperSilk is on square to prevent it from rolling off center. (Refer to routing chart)
- You can now plumb your aquarium to the Infinity either using the optional inlet bar (supplied with three 2" connections), or free floating. Using unions is advisable.
- Plug in the digital controller, either with the supplied power adapter or via the Neptune Apex 24v port.

### HyperSilk L Routing Chart



### HyperSilk R Routing Chart



## Operation and Tuning

Once you have turned on the Infiniti, the HyperSilk should begin rolling. The motor is factory set to run for 3 seconds each time it's activated. You can change that setting to fine tune your system. Once the motor stops, it will not turn again until it is activated by the float switch (or manually via the trigger button on the controller). It is common for the Infiniti to run more frequently in the beginning as it filters out the particulate matter in the aquarium.

If you've made it this far, you'll notice that the controller displays "POOP". Congratulations, your Infiniti is ready to start filtering fish poop!

Adjusting your roll time is very simple, but do so carefully; rolling for too long will unnecessarily use too much HyperSilk. Not rolling enough will cause the motor to run more frequently.



- Press and hold the Set button (gear) for 3 seconds.
- The display should start blinking: you're in the setup mode now.
- Press the Up and Down buttons to adjust the roll time.
- The roll time is displayed at the top.
- Press and hold the Set button for 3 seconds to complete the programming.

## Maintenance

The Infiniti is an automatic roller system. Once set up correctly, you will need very little, if any, adjustment and only occasional replacement of the HyperSilk. To ensure worry free performance, we recommend the following:

- Replace the HyperSilk as required, using only authentic MRC parts for proper operation. Simply unroll or use a sharp blade to cut-off the spent HyperSilk. Do Not discard the drive shaft!!
- Every 6 months or when required, clean the guides and the drive shaft ends.
- Inspect and clean the float valve after every HyperSilk replacement. Take a soft brush and gently remove any salt or residue that may have built up.

## Troubleshooting

The HyperSilk doesn't advance

- Check power to the digital controller.
- If the unit powers up, press the trigger button to advance manually.
- If it advances manually, check the settings.
- If the settings are correct, your float switch may be dirty or has gone bad. Clean or replace as necessary.
- If no action advances the HyperSilk, you may have a faulty motor. Contact your dealer for replacement parts.

You're running through HyperSilk very quickly

- Since the Infiniti uses a very fine filter, it's completely normal to run through the material quickly when you first start using the system. Once it has "caught up" and reduced the particulate matter, the usage will drop.
- If you feel like it is advancing prematurely, you can reduce the roll time via the digital controller.
- If you would like a lower rate of filtration, the HyperSilk 50 is available (50 micron).

You have more flow than the unit can handle

- If you're running very high flow rates, you can add a secondary overflow bypass on the opposite side of the Infiniti. You can safely add a 2" bulkhead and plumb that back into your sump. We recommend using HyperSilk 50 for higher flow applications.

For further information about this or any other MRC product, please contact us at [www.mrcamerica.com](http://www.mrcamerica.com)

For any questions or issue, please contact: MRC at [support@mrcamerica.com](mailto:support@mrcamerica.com)