

Marineland sumps are under warranty for two years.

* Because some states do not allow the exclusion of incidental or consequential damages, this exclusion may not apply to you.

By this warranty, Marineland gives you specific legal rights. You may also have other rights which vary from state to state. Fish loss, personal injury, property loss or damage resulting from use of these products are not covered by this warranty. Incidental or consequential damages are specifically excluded*.

- If the sump has been modified in anyway.
- If the sump is chipped or shows any acrylic damage due to impact, negligence or mishandling.
- If the sump is used for other than its intended purpose.

This warranty is void under the following conditions:

(purchase must be provided).

sump is found to be defective, return it to the Marineland for replacement at no charge (proof of date of purchase must be provided).

Marineland Acrylic Sump which is deemed defective in workmanship or materials. If within two years this sump is found to be defective, Marineland will repair or replace, at its option, any

The Acrylic Sump Filtration unit is under warranty against defects in material or workmanship*.

by this warranty. Incidental or consequential damages are specifically excluded*.

Damage or injuries resulting from improper installation, negligence or misuse are expressly not covered

Call (800) 322-1266 for return authorization and shipping address.

If the sump is found to be defective, and has not been modified, damaged, or misused, please return the unit, together with proof of date of purchase.

is deemed defective in workmanship or materials.

its option, any Acrylic Model 1 and/or 2 Sump Filtration Unit which

purchase, Marineland Aquarium Products will repair or replace, at

Within two years from the date of original

IMPORTANT:

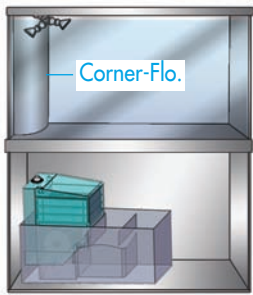
Always unplug system before inspecting or beginning any maintenance procedures.

SYMPTOM	COMMENTS/SOLUTION
If water level in Sump drops suddenly...	• Check for flow obstructions, before adding any water.
When water evaporates from sump over time...	• Top off using dechlorinated fresh water directly to the sump until level reaches max fill line.
If entire system abruptly shuts down...	• Make sure pump is plugged in. • Check for pump malfunction.
If water turns yellow or odors develop...	• Replace Black diamond Activated Carbon (or add more).
If water pump begins to cavitate (emit tiny bubbles into tank)...	• Check Flow Tube Hose for kinks or obstructions. • Check Sump Intake and Media Trays for obstructions. • Make sure Sump water level is at operational height.
If BIO-Wheel stops rotating...	• Inspect Prefilter Pad and Media Trays for clogging or water diversion. • Clean or change as needed. • Check BIO-Wheel for obstructions. Clean bearings, check for unimpeded rotation, reinstall.
If leakage occurs at hose connections...	• Check Snapper Clamps. Secure (tighten) if loose. • Check Bulkhead connections. Tighten if necessary.

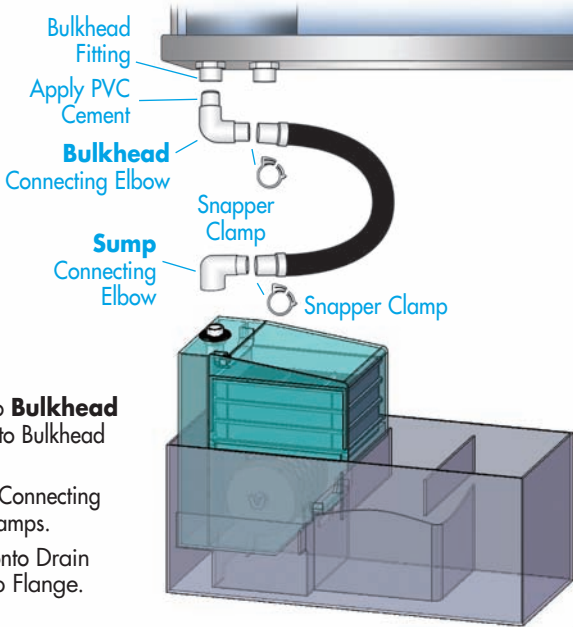
Troubleshooting Guidelines

Overflow Connection

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- A.** Position Sump under aquarium on the same side as the Corner-Flo.
- C.** Apply standard clear PVC cement to **Bulkhead** Connecting Elbow and insert end into Bulkhead Fitting.
- B.** Connect ends of Flow Tube Hose to Connecting Elbows and secure with Snapper Clamps.
- D.** Press-fit **Sump** Connecting Elbow onto Drain Pipe Muffler against Rubber Sump Flange. DO NOT glue.



Startup

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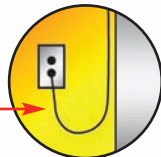
- A.** Fill aquarium until water spills over the Corner-Flo Partition and starts to fill the Sump.
- B.** Directly fill sump until water is within 1" from the top.
- C.** Plug in pump to start Sump Filtration System. Allow pump to operate for a few minutes.
- D.** When water level in Sump stabilizes, apply "MAXIMUM WATER LEVEL" sticker to sump.

NOTE: MAXIMUM WATER LEVEL indicates how much water to add, to the sump while system is running, when replacing water due to evaporation.

CAUTION: NEVER remove Bulkhead Fittings while water remains in aquarium. Never operate pump without water.

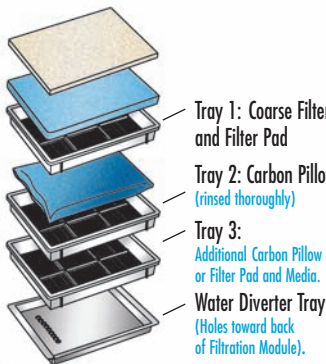
MAXIMUM WATER LEVEL

NOTE: DRIP LOOP (for safety)

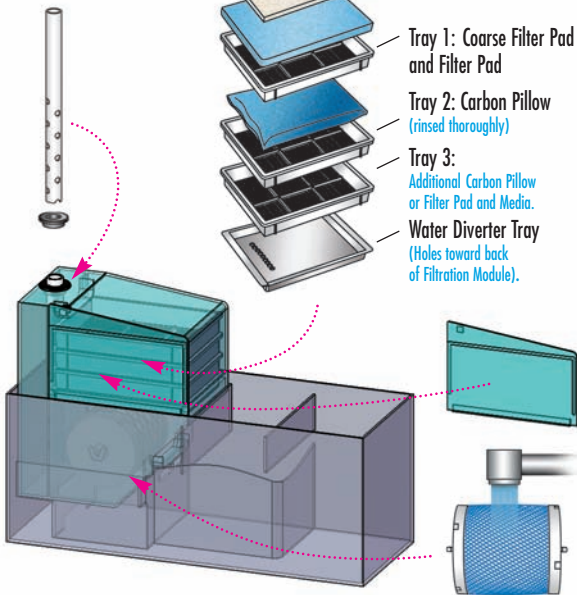


Sump Assembly

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- A.** Lube inside rim of Rubber Sump Flange with Silicon Lube (provided). Slide Drain Pipe Muffler into Filtration Module.
- B.** Rinse BIO-Wheel.
- C.** Rinse (until water runs clear) and install all Media and Trays.
- D.** Attach Module Media Door.



Recommended Return Connection

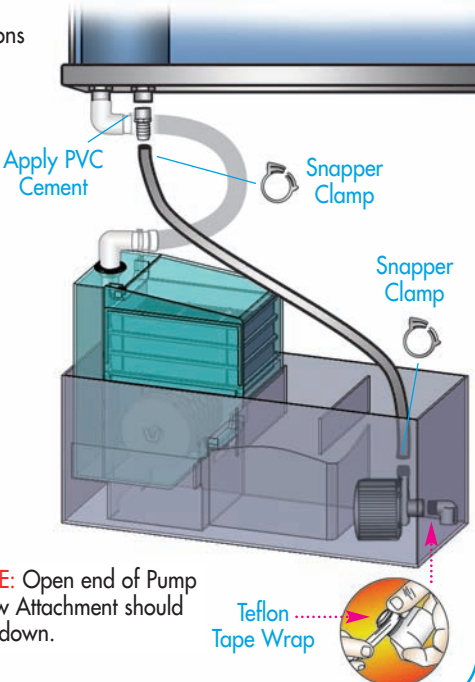
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NOTE: Pump and return connections components are NOT included.

There are many possible methods of plumbing. The following instructions are an example of a possible return connection.

- A.** Wrap threaded end of Pump Elbow with Teflon Tape (clockwise, 3 turns). Screw Pump Elbow into Pump Intake. Hand tighten. Using pliers or channel locks, tighten an additional 1 1/4 turn.
- B.** Apply PVC cement to smooth end of Hose Barb. Attach to Return Bulkhead Fitting.
- C.** Attach one end of hose to Hose Barb glued to the Bulkhead, and one end to threaded end of Pump Output. Secure connections with Snapper Clamps.

Consult your local fish store if you require further advice.



NOTE: Open end of Pump Elbow Attachment should face down.

To fully enjoy your Sump Filtration System:

- 1)** Replace Filtration Media and clean Media Trays every 3 weeks.
- 2)** Clean Sump Removable front Media Door every 3 weeks.

Questions or Missing Parts:
Call Customer Service
(800) 322-1266

KEY	ITEM DESCRIPTION	ITEM NO.
1	Sump	PR5050
2	BIO-Wheel	PR5060
3	Water Diverter Tray	PR11517
4	Media Trays	PR11518
5	Filtration Module	PR11520
6	Rubber Sump Flange	PR11521
7	Drain Pipe Muffler	PR11522
8	Sump Connecting Elbow	PR5030
9	Flow Tube Hose	PR11525
10	Bulkhead Connecting Elbow	PR11524
11	Module Media Door	PR5031
12	Snapper Clamps (2)	

Parts Check

Additional items needed to assemble the Sump Filtration Systems are Teflon tape and PVC cement.

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Start Here - SUMP FILTRATION SYSTEM (Models 1 & 2) Quick Setup Guide

