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Quick start instructions for Floctopus™ and LIPVACS™ PAM logs

The Floctopus™ is a specialized manifold system designed to rapidly reduce turbidity in water bodies such as sediment ponds and construction sites. The Floctopus™ uses a patent pending venturi design to mix and flocculate non-toxic PAM logs to reduce turbidity as well as increase dissolved oxygen and adjust PH to meet federal and local standards.

The standard manifold is for “in pond” water treatment, meaning that the water must be treated before it can be discharged. If you require a faster solution to treat and discharge Eco Pond Rescue offers the Water Wagon™ a mobile water treatment system that incorporates the Floctopus™ allowing the user to dewater and discharge to other systems.

The Floctopus is easy to use and only has a few basic use rules. It is designed to be used with a 4” or 6” dewatering pump with NPT or quick connect fittings. The 4 venturi manifold can handle up to 800 GPM and the 6 venturi manifold can handle up to 1250 GPM. Depending upon your application and time frame it is best to vary the flow till you get the best results. The PAM logs will last several days and will treat more than a million gallons of water.



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Placement:

The manifold should be placed on solid ground or platform near the water bodies' edge. When the PAM cannons are attached they should extend into the water as much as possible but leaving the Wye on land to facilitate changing of LIPVACS logs. **DO NOT LET THE PAM CANNON DISCHARGE LAY ON THE BOTTOM AND STIR UP SEDIMENT.** This works directly against your goal to clean the water.



Pump Connections:

When possible the intake for the pump should be away from the Floctopus™ manifold discharge so to create a subsurface flow of water increasing the water that is exposed to the PAM.

The discharge hose should not have any kinks or severe bends so the water flow is not reduced. If the hose is kinked it WILL reduce the effectiveness and increase the amount of time required to treat the water.



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To determine if you have a good flow rate, while the system is running place your hand over the venturi intake area. You will feel a suction and noise from the air being pulled in and mixed with the water. If you do not feel or hear this increase pump RPM and check for kinks.

Log Insertion:

While the system is running, remove the 4" cap located on the Wye. Insert log into pipe and when in place push the retaining rope through the 5/8 hole and knot. When the log wears away, remove and replace if necessary.



When used correctly the Floctopus™ and the proper LIPVACS PAM logs will reduce turbidity and improve water quality safely without harmful toxins or chemicals. You should expect to operate the Floctopus™ for several days depending upon the water condition.



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System includes:

- Steel Manifold
- LIPVACS Venturis
- 2' Valves
- PAM Cannons with connections
- Quick connect coupling

Specifications:

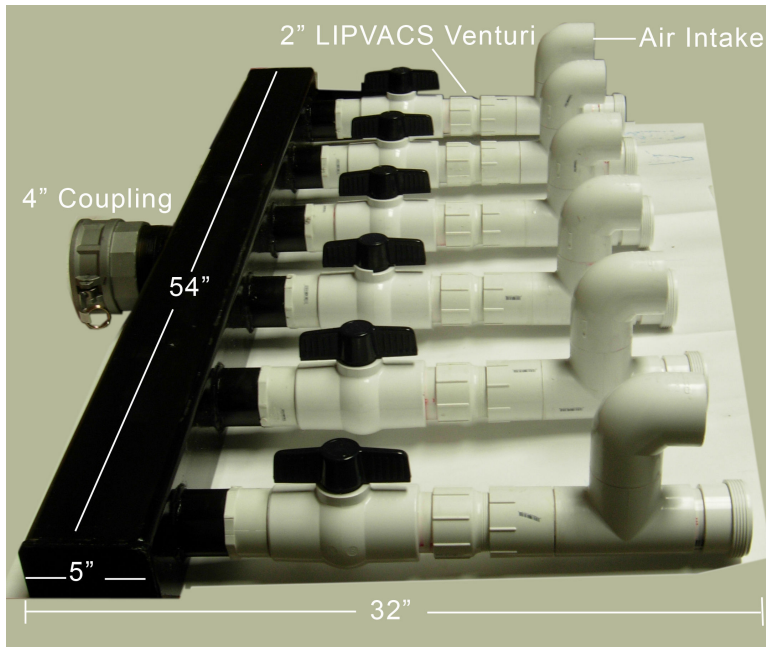
- Up to 200 GPM per Venturi when using PAM Logs– (6 venturi model up to 1250 GPM total and 4 venturi model is 800 GPM)
- Higher GPM rating for aeration only.
- 8 to 16 CFM air induction (based on water volume)
- Each PAM cannon holds 1 10 lb APS Polymer Log
- 4" quick connect coupling for standard attachment
- Each venturi provides a 2.2 transfer rate of dissolved oxygen from ambient air induction based on 65 degree water.



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Standard Manifold Diagram



Manifold with PAM Cannon Attached.

