



Kit Installation Guide



12 Port Manifold

20PSI Pressure Regulator

Manifold Riser

Riser Tee

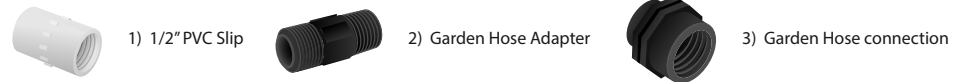
Tubing Connector

Manifold Plug

1/2" Cap

1/2" Tee

PUMP CONNECTIONS



TORNADO MIST SPRAYER 6GPH FLOW CHART

Hydrolock can be operated with 1 or 2 Tornado Mist Sprayers

Time Minutes	1	3	5	10	15	20	30	60
1 Sprayer (GAL)	.1	.3	.5	1	1.5	2	3	6
2 Sprayer (GAL)	.2	.6	1	2	3	4	6	12



Kit Installation Guide

Pump Installation

1. Refer to manufacturers installation guide for proper installation, operation, and maintenance of the SeaFlo 33 Series pump.
2. Attach PART 1 to OUTLET side of the pump. Attach PART 2 and 3 to the INLET side of the pump for garden hose.
3. Securely fasten the pump horizontally or vertically to a wall with screws or brackets as close to the water source as possible.
4. Attach flexible hosing to the INLET port of the pump.
5. Pump is self-priming. However, pouring water into the INTLET side hose for the first time can help. Pump will stay primed from then on.
6. Attach ½ in PVC to the outlet side of the pump and plump it to your manifold

Manifold Assembly

1. Refer to manifold assembly image for proper assembly
2. Place plug caps in any port not being used by removing the top of the manifold housing.
3. Position completed manifold assembly into its permanent location within the garden.

HydroLock Installation

1. Measure the ¼ vinyl tubing from the manifold to each sprayer port on the corresponding HydroLock.
2. Using a sharp blade cut the measurement needed, adding a few extra inches so the ¼in vinyl tubing is not too tight when connected from the manifold to the HydroLock.
3. Push 1/4 in vinyl tubing securely onto manifold connector. Attach connector to Manifold head.
4. Thread Tornado Mist Sprayer tightly onto the other end of the ¼ vinyl tubing. DO NOT press the sprayer into the tubing.
5. Press fit Tornado Sprayer head into the sprayer port on the HydroLock as tight as possible.
6. Snap HydroLock around the base of the plant.

Key assembly Notes

1. Always use Teflon tape or plumbers dope on all threaded connections to ensure a leak free connection.
2. Hand tighten all threaded connections. Use caution to prevent over tightening and potential cracking.
3. Always use PVC primer and cement on all PVC connections to ensure a leak free connection. Apply primer first, then cement. Allow parts to dry for 20 minutes before use. assembly.

EXTREMELY IMPORTANT

Your completed system should be flushed with fresh water BEFORE attaching Tornado Mist Sprayer. This will flush the system of any glue, tape, or PVC shavings from installation. This can be done by removing the pressure regulator and manifold from the PVC riser and running water through it. This also can be done by flushing the system then attaching Tornado Mist Sprayer after flushing.

Clogging Troubleshoot

1. Remove manifold housing top and check for any debris. Remove debris.
2. Remove clogged Tornado Mist Sprayer and replace.

