

The Cascade Starter kit comes with essential components to keep your betta healthy:



Air Control Valve:

Allows you to raise or lessen the air pressure going to the filter controlling air speed and water movement. To operate, twist the dial on the valve counterclockwise to open valve and let more air through. Twist dial clockwise to close valve and restrict airflow. Ensure the dial is never removed, only loosened, and tightened.



Check Valve:

Ensures no water accidentally siphons from your aquarium into the air pump in case of power outage.



Sponge Filter:

Pushes air through filter air stone creating suction to pull in debris and waste all while oxygenating the water.



Airline Tubing:

Connects air pump to valves and filter.

Also Included In This Kit



Nano Air Pump



Zeolite Crystals



Betta Leaf

NOTE: Items not to scale. Items subject to change.

°C	°F
30	86
28	82
26	79
24	75
22	72
20	68
18	64

Digital Thermometer



Scrubber Sponge



Fish Net

Setting Up The Filter

1



TUBE A – 36 in.

Starting from the end of the tubing, cut off (2) 3-inch pieces leaving 3 tubes total.



TUBE B – 3 in.



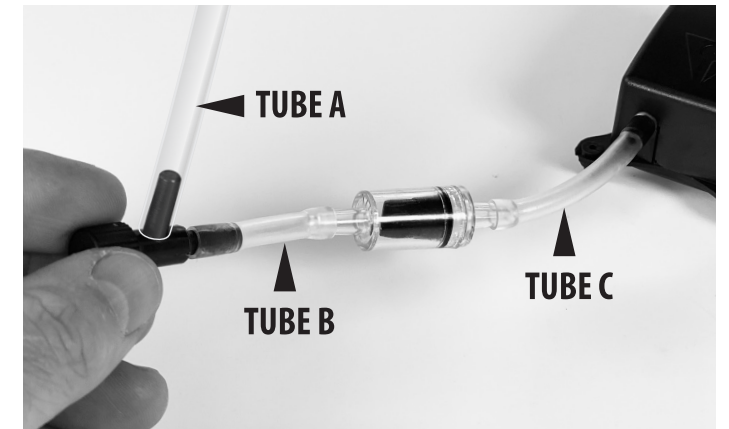
TUBE C – 3 in.

The longest tube will be approximately 36 inches.

2



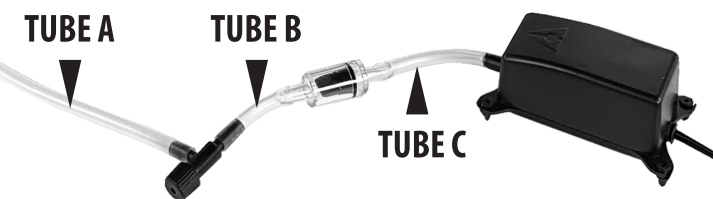
Configure components of kit as shown with pump connected to check valve, air control valve, and filter, using the 3 labeled airline tubes.



TUBE A

TUBE B

TUBE C



TUBE A

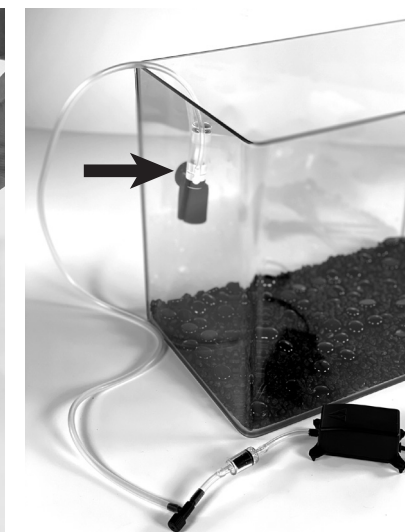
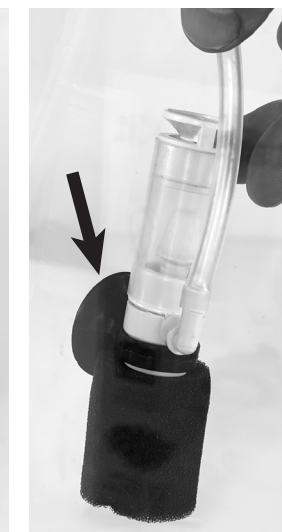
TUBE B

TUBE C

Ensure the directions of both check valve and air control valve are assembled in the correct configuration or the filter will not function as intended.

DO NOT SUBMERGE PUMP UNDERWATER.

3

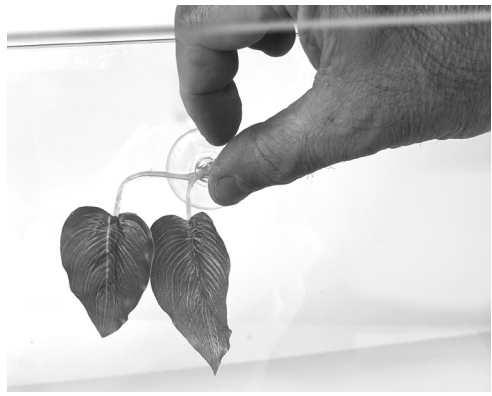


Attach sponge filter on the tank wall about halfway up from the bottom.

Once these steps are complete and your tank is full of water, plug the pump in and power on.

Please refer to IMPORTANT SAFETY INSTRUCTIONS for information about Drip Loops and Check Valves.

Setting Up The Betta Leaf



Place the suction cup towards the top 20% of the water level for your betta to use when resting.

Bettas prefer to swim near the surface, so we recommend finding a spot in your tank with low water current towards the top for the Betta Leaf.

Setting Up The Thermometer



Remove adhesive backing on thermometer. Place on outside wall of aquarium somewhere below the water line.

We recommend maintaining a water temperature of 78 degrees for your betta fish.

Zeolite Crystals



Zeolite is a material that naturally allows beneficial bacteria to grow, absorbs impurities and debris, and helps to filter your water. Use this as gravel for the bottom of your tank, or part of a canister filter system.

Before installing, rinse with clean water to remove all dust before going into tank. This will allow the tank water to stay clear and not become cloudy when zeolite is added.

We recommend replacing zeolite every 6 weeks for optimal results.

Scrubber Sponge



Use this glass/acrylic/plastic safe sponge when aquarium walls need to be cleaned.

Fish Net



Use this to transport fish to and from aquarium.

Additional Accessories

Enjoy your new Betta fish and learn the wonderful responsibility of being a pet parent and friend! Penn-Plax® offers a full line of products especially for your new Betta fish! Look for our Pro-V™ Waste Absorbing Crystals, Plastic-Safe CHP1 heaters, and our full line of Betta-World™ ornaments, plants, and accessories! You can also check out the Penn-Plax® website at www.pennplax.com for more information (ask a parent for permission first).

Questions Or Comments?

Email us at cs@pennplax.com
Visit us at www.penn-plax.com/customerservice
Or call 631-273-2059 (US & Canada Only)



A Word To The Grownups

This product has been scientifically designed to work as well as it looks. It teaches your child valuable lessons in responsibility and care of other living creatures, as well as a basic introduction to important lessons in life-cycle concepts. It is strongly recommended that you discuss this enjoyable and interesting experience with your child. Explain to them the care and cleaning that is necessary to maintain your Betta's good health.

This aquarium kit is designed for 1 Betta or 1 small cold water freshwater fish; consult your pet retailer for the appropriate fish for this kit.

IMPORTANT SAFETY INSTRUCTIONS

WARNING – To guard against injury, basic safety precautions should be observed including the following:

1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS

2. DANGER – To avoid possible electric shock, special care should be taken since water is employed in the use of aquarium equipment. For each of the following situations, do not attempt repairs yourself. Return the air-pump to Penn-Plax for service or discard the air-pump.

A.) If the air-pump falls into the water, DO NOT REACH FOR IT! First unplug it, and then retrieve it. If electrical components of the appliance get wet, unplug the appliance immediately (see FIG 1).

FIG. 1

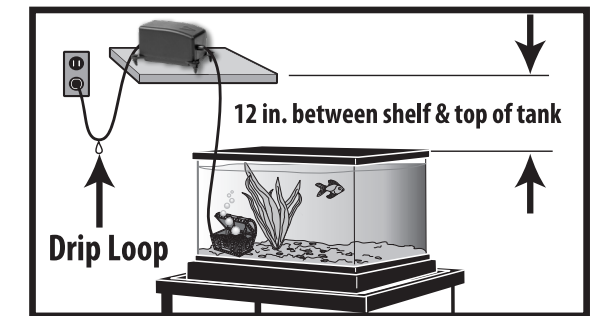


B.) Carefully examine the air-pump after installation. It should not be plugged in if there is water on parts not intended to be wet.

C.) Do not operate any appliance if it has a damaged cord or plug, or if it is malfunctioning or if it was dropped or damaged in any manner.

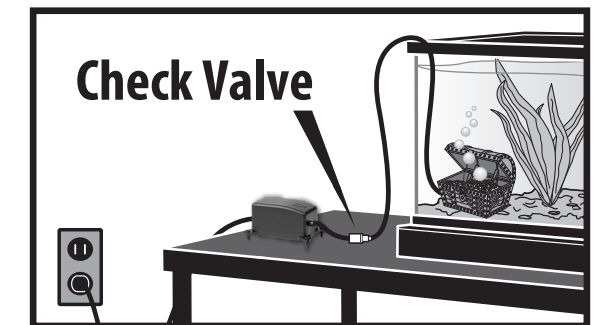
D.) To avoid the possibility of the air-pump plug or receptacle getting wet, position aquarium stand and tank to one side of a wall-mounted receptacle to prevent water from dripping onto the receptacle or plug. A "drip loop" (shown in FIG. 2) should be arranged by the user for each cord connecting an aquarium appliance to a receptacle. A drip loop is the part of the cord below the level of the outlet that prevents water from traveling along the cord and coming in contact with the outlet. If the plug or outlet does get wet, **DO NOT unplug the cord! Disconnect the fuse or circuit breaker that supplies power to the air-pump. Then unplug and examine the outlet for the presence of water.**

FIG. 2 – WITHOUT CHECK VALVE



3. It is recommended to use a check valve between the pump and the aquarium. It prevents water from siphoning into the air-pump in case of an electrical power failure or when removing filters or aerated ornaments from the aquarium (see FIG. 3). Check Valves are available at your local dealer: Penn-Plax Part # CV1.

FIG. 3 – WITH CHECK VALVE



4. Close supervision is necessary when any appliance is used by or near children.

5. Always unplug the air-pump from the outlet when not in use or before putting on or taking off parts, and before cleaning. Never yank cord to pull plug from outlet. Grasp the plug and pull to disconnect.

6. Do not use the air-pump for other than its intended use. The use of attachments not recommended or sold by the appliance manufacturer may cause an unsafe condition.

7. Do not install or store the air-pump where it will be exposed to the weather or to temperatures below freezing (Indoor use only).

8. Make sure an appliance mounted on a tank is securely installed before operating it.

9. If an extension cord is necessary, a cord with a proper rating should be used. A cord rated for less amperes or watts than the appliance rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.

10. This appliance has a polarized plug (one blade is wider than the other). As a safety feature, the plug will fit into a polarized outlet only one way. If the plug does not fit fully into the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Never use with an extension cord unless the plug can be fully inserted. Do not attempt to defeat this safety feature.

