



DX6 Deluxe Protein Skimmer

The DX6 are designed to provide a protein skimmer and sump space all in one compact unit. These units utilize the RVT Rejuvenation Venturi powerhead providing increased oxidation of ammonia and nitrite. The DX6 also feature additional sump space for heaters, probes, or a return pump as well as a non-warping lid to minimize evaporation. The advantages of compact size, efficient operation, and ease of disassembly for cleaning all make the DX6 the choice of the modern marine aquarist.

To place your DX6 Protein Skimmer into operation:

1. Open the packaging carefully and inspect the unit for damaged or missing parts. You should have:
 - (1) DX6 body with skimmer column and lid
 - (1) Collection cup with lid and drain line
 - (1) RVT Rejuvenation Venturi powerhead
 - (1) 1" inlet assembly
 - (1) 3/4" outlet assembly with plug
 - (1) Four feet of lifeline 1 1/4" hose with 1" PVC adapter and 1" inlet elbow

If any parts are damaged or missing, please contact your dealer immediately.

2. Attach the Rejuvenation Venturi powerhead to the skimmer column by sliding the column up and inserting the outlet of the powerhead into the inlet of the skimmer column. **Position the powerhead so that it is upside down.** Make sure that the end of the long airline (with muffler) is out of the water at all times. To do this, attach it to the black clip at the top of the unit. For ease of maintenance, cut the airline just long enough to reach past the clip.
3. Assemble the outlet assembly with the bulkhead nut on the outside of the filter and the gasket on the inside of the filter. Remove the plug if using an external return pump. If you are using a submersible pump it is recommended that you glue the plug in place to prevent leaking.
4. Attach the drain line to the collection cup and place the collection cup into the protein skimmer column. The drain line can be run into a container to collect the skimmer waste.
5. Connect the 1 1/4" lifeline hose from your overflow or drilled tank to the filter by sliding the fitting on the lifeline hose into the inlet of the filter and connecting the other end to the overflow.

6. Install your return pump according to its instructions. The DX6 can be used with an external pump connected to the 3/4" bulkhead or a submersible pump. If using a submersible pump, it is recommended that the 3/4" plug be secured with PVC cement to prevent leakage. For maximum efficiency, the flow rate through the DX6 should not exceed 800 gallons per hour (most pumps come with a chart showing how the flow rate decreases with height). If you are using an overflow, make sure it is installed properly and follow the instructions on priming the overflow. Once the siphon starts, add water to the aquarium until the water in the DX6 covers no more than ...
7. Initially it may be necessary to fill the filter one to two inches higher than the desired water line to compensate for your dry return line. Wait for a period of time and check the system for any leaks. Once this is done, start the return pump and check for leaks again, particularly at hose connections. It may be necessary to use PVC cement and clamps to secure the fittings, but this will make many of these connections permanent.
8. Plug in the powerhead attached to the skimmer column. Set the adjustable gate (using the adjustment screw) so that the water level in the skimmer column is about 3/4" above the base of the collection cup funnel. After the skimmer has run for 24 hours you may need to readjust the water height in the skimmer. If foam is coming out too fast or too wet, lower the adjustable gate. If the skimmer is not pulling any material from the tank you may need to raise the adjustable gate. The protein skimmer should start producing greenish-brown foam within approximately ten hours depending on your tanks water quality and biological load. If the tank is new you may find that the skimmer pulls out very little or that you are only collecting clear liquid. This should not be a concern until you begin to add substrate and organisms to the tank.
9. The collection cup should be checked and cleaned regularly, paying special attention to the throat of the funnel. Excessive buildup of waste in the throat can decrease the efficiency of the skimmer to collect skimmate. The filter floss should be cleaned or replaced weekly.

Your DX6 is now operational

Removal and Cleaning of Your Powerhead

- 1) Slide the powerhead and protein skimmer tube out of filter. Then remove powerhead from skimmer tube.
- 2) Remove the round plate by unscrewing it.
- 3) Wash all parts under running tap water. Never use a detergent on parts which will come into contact with aquarium water. Make sure air lines and elbows are clear of any foreign matter.
- 4) Reassemble the powerhead and place it back on the protein skimmer tube.
- 5) The powerhead should be regularly cleaned, at least once a month, and should be replaced every twelve to eighteen months for optimal efficiency of the protein skimmer.

MUFFLER

The DX6 works better without the muffler attached. If the noise level is acceptable without the muffler, remove it. To clean the muffler, soak it in warm water and allow it to dry completely. It can also be replaced with a coarse airstone, which allows more air in than the standard muffler but has quieter operation.



