NEXTREEF®
UNCOMPROMISING QUALITY

SMR1 Informational Supplement

BioPellets

Here are some hints based on our experience:

Biopellets packed dry require soaking prior to use, some are ready right out of the bag. Make sure to follow the instructions for the brand you are using.

To fully fluidize BioPellets, you'll need a pump that can flow 250-300gph at a head pressure of 4.5 feet. We've had great success with a MagDrive 3 and other similarly sized pumps.

BioPellets may clump together and float to the top at first. This is normal. For the first few days, you may need to turn off the pump and allow the clumps to settle and break up. Gently shaking the reactor can help. Once the pellets go through this initial "breaking-in" process, they generally require no further action.

While the SMR1 is designed to run without sponges and with minimal maintenance, it's important to **prefilter the water coming in**. A filter sponge on the inlet of the pump, for example, works great. Large debris (uneaten food, chunks of algae) that can be ingested by a pump can eventually block the holes in the lower plenum of the SMR1.

For best results, place the outlet of the reactor near your protein skimmer's intake pump. This will help remove excess bacteria and re-oxygenate the water.

Pump Adapter

Included in the parts pack is a small piece of blue 1/2" tubing. If you're using a pump with a 1/2" outlet (like a Maxi-Jet), this will allow you to easily adapt it for 5/8" ID tubing. Simply slip the small piece of blue tubing over the outlet on your pump, then slip the 5/8" tubing over that.

NextReef recommends 5/8" ID tubing for use with Biopellets to better accommodate the higher flow rates required. If your retailer does not carry it, we've found 5/8" ID (3/4" OD) tubing readily available at most home improvement stores (like Lowes or Home Depot) in the plumbing department.