

consume waste for a short time. If you need to drain your pond for any reason, do so with the control handle in the WASTE position. This will drain your pond to the intake level of your pump or foot valve, without passing the water through the filter media.

Q: What happens if you do not backwash the Aquadyne system for up to a month?

A: Due to the design and size of the Central Diffuser Column, it is virtually impossible for the filter to get so clogged that the water flow would stop. If the filter system did clog and the media was completely full of debris, the water would sideslip the central diffuser column and exit the filter, bypassing the clogged media and avoiding pump damage. All other bead systems on the market use small transfer and diffuser tubes inside their bodies, which number one, cause flow restrictions (whether they admit it or not), (remember the fuzzy logic of friction loss in small piping). The central diffuser column in the Aquadyne is a whopping 6 inches, with no restricting elbows of any kind in the filter chamber. And number two, many of the other systems have a maximum operating pressure of only 15 PSI. What good is that if your filter clogs. Even most weenie pumps that would operate a bead system can pump over 15 PSI. The result is that you will blow the spin welded fittings out of the ends of other polyethylene filters. All models of our Aquadyne systems have a whopping 50 PSI pressure rating from the factory and no "spin welded" fixtures. Even our Sludge Valve bulkhead is schedule 80 PVC (overkill!) By example of pressure, the flow restriction of the Aquadyne system is so low that you would have to use a pump of several horsepower to attain anything close to 50 PSI. If your filter runs for a month without a backwash, you can with every confidence, perform an advanced backwash to dislodge and discharge the debris. Only in the case of a severe clog would you have to spend 15 minutes to remove the control head, stir the beads through the generous 6" opening, reattach the control head, and backwash.

Q: Do you ever have to replace the bead media inside an Aquadyne system?

A: No, Under the normal use for which the Aquadyne system is intended, the beads will last a lifetime. They are made of a very strong polyethylene material which will not break down. On occasion, you may notice that you loose a few beads through the sludge drain, but you would have to loose several pounds of beads before the systems performance even started to weaken. If for any reason you loose a significant amount of beads, they are quite cheap to replace.

Q: How much power does the system use?

A: None, the Aquadyne system is totally passive in its functions. The only power that you will use is the power that it takes to run your pump which you would have running regardless.

Q: We turn off our pump in the winter. Does this affect the Aquadyne system?

A: Yes and No. If you turn off your pump for the winter, you will need to winterize the filter and pump (if external). First you will give the filter a good backwashing. Then you will drain the filter body and control head by placing the control handle between any two functions and removing the winterize cap from the bottom of the filter tank, allowing all of the water to drain. If you leave the water in the filter, the filter may freeze solid and burst the tank.

Q: Will the beneficial bacteria die in our filter if we turn the system off?

A: Some of the bacteria will die off if the filter is left to sit without circulation after a few weeks, because there is no food in the form of waste coming through the filter to make them thrive. But, even if drained, enough