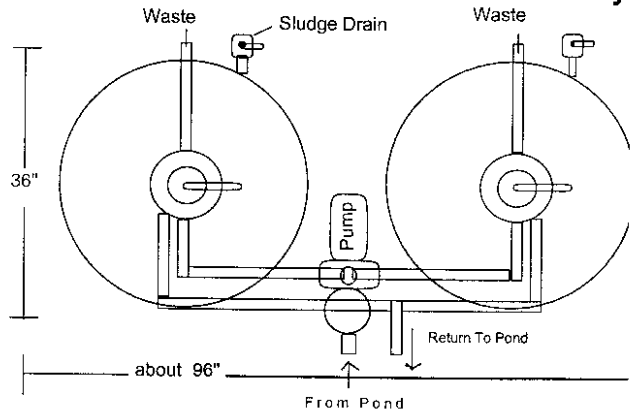


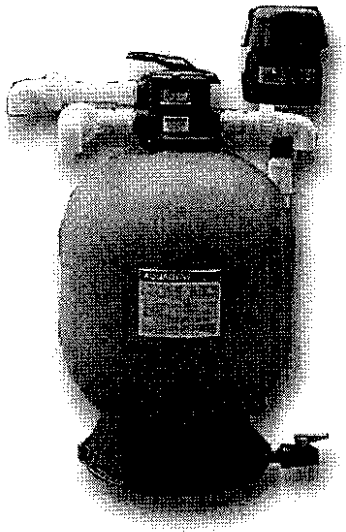
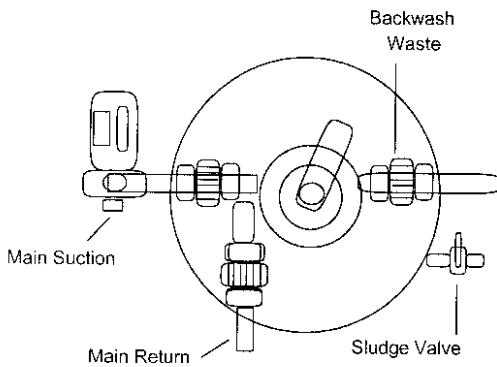
Creative Plumbing Solutions

The benefit of the tandem plumbing of more than one Aquadyne system on a single facility is two fold. First, and most evident is the fact that you can double the filtration capacity of any system by running tandem units. Aquadyne can accommodate any size body of water by simply using multiple systems plumbed together. Specifically: single tandems, double tandems, triple tandems, or even quad tandems for a whopping 112,000 gallons of filtration capacity. The second benefit of running tandem systems is most beneficial for quarantine systems or holding facilities, where high fish loads can be supported, and medicated without the fear of losing total filtration. In this application, both Aquadyne bodies are completely cycled, but only one side of the tandem system is used at a time, while the other sits static as a backup. The static unit that is on bypass and off line, is flushed with clean water once per day to de-gas the carbonic respiration of the bacterial colony residing in the filter. Inset diagrams include external pumps, however higher volume submersible pumps are acceptable as long as the water flow rates are appropriate.

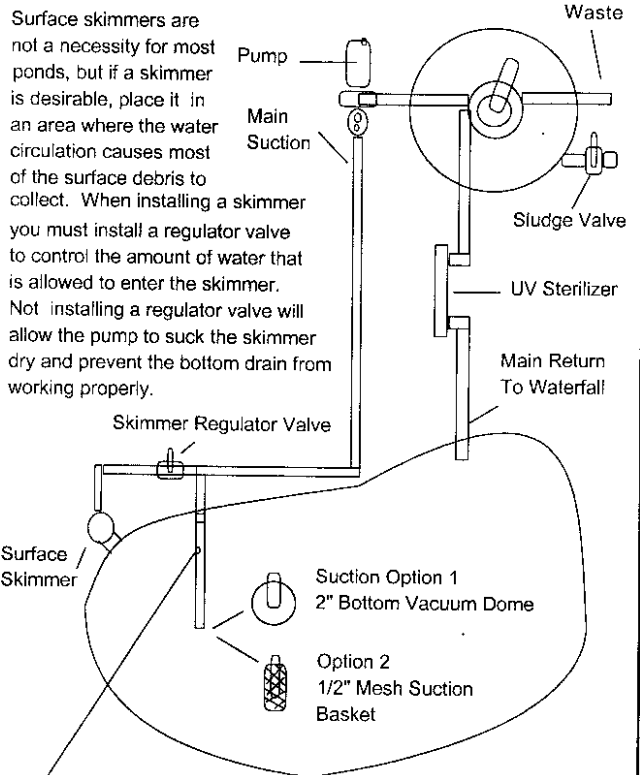
Dual Aquadyne 4.4 Installation Diagram For Ponds to 28,000 Gallons with dual redundancy



Main Control Head Plumbing Detail



Aquadyne Single Tank Plumbing Reference



For the ultimate protection of your pond, always install a vacuum break in your suction line. This allows you to place your suction line on the bottom of the pond where it should be, without having the fear that your pond will completely drain if you have an equipment malfunction. Simply drill a 1/4" hole in your suction line about one foot below the normal water level. If a malfunction causes your water to drain, the pump will suck air into the hole and prevent the pond from being completely drained, saving your pond inhabitants.