

Selecting the Right Pump

Wave pumps have been in development for a very long time. One of the most efficient for koi pumps.

To select the correct pump for your system, we will try to help you based on our knowledge.

You need to look at the performance curve to see the volume and amount of pressure to help do the job.

One of the most high-end professor teaching how to design a system. Dr. Paul Wills., PHD professor of Florida Atlantic University.

http://www.engineeringtoolbox.com/pvc-pipes-friction-loss-d_802.html

Each type of fish requires hours of turn-over p/hr.

A filter is also necessary to combine to your system. Some filters have restriction so; is important to add or subtract (pressure) restriction.

Most of our pumps come with World-Wide Motors 50/60Hz. In USA we use 60Hz. Outside the US, a lot of countries use 50Hz.

Keep in mind that 50Hz reduce performance about 18%.

A pressurized filter has some restrictions meaning we need to add support for more gallons per minute.

An Open System- Is the easiest system to work with, is the most energy efficient because it has minimum restriction.

After, you can choose the perfect UV to meet your killing power requirements.

WAVE & DRAGON PUMPS

Wave and Dragon Pump Series pumps are Totally Enclosed Fan Cooled (TEFC) they have better protection for the weather. If you live in a snowy area, you need to help protect the pump by making a cabinet or shack to

protect the pump from the snow. Some of our pumps have been performing well over 20 years.

We also have Open Drip Proof (ODP) motor pumps, which are more economic. These type pumps are good for aquarium & fish tank operation. They are more compact (very quiet) These pumps are 60Hz.

Dragon Pumps have a little more pressure they are good for Bead Filter in a (Closed System).

Wave Pump Series have less pressure but we have a few 1/2, 3/4 and 1HP which can operate in a closed system (pressurized Filter)

Bottom Line is very important to understand the performance curve and how to use it.

Dragon II Series- High pressure 3600 RPM High Volume / high Pressure for big Aquaculture use and large aquarium use.

Wave High Speed- 3600 RPM