

BEAD FILTER SIZING WORKSHEET

For assistance in selecting appropriate filters for your application, please complete the following worksheet for each planned configuration and fax it to Aquaculture Systems Technologies, LLC. at (504) 837-5585. Alternatively, call AST at (504) 837-5575 to discuss your requirements. An interactive version of this work sheet is also available on our web site at www.beadfilters.com and can be submitted electronically.

Physical Characteristics

1. Number of replicate systems planned ?
2. What is the volume of each system (gallons, ft³ or m³) ?
3. How much water (gallons, ft³ or m³) do you expect to flush from the system on a daily basis ?
4. What size of pump are you using ?
Horsepower:
Flow Rate (gallons per minute @ 10 psi):
5. How will you use the system ?
Display:
Holding Brood Fish:
Breeding:
Rearing:
Fingerlings:
Growout:
Other:

6. What species are you going to culture ?

Loading

7. What is the maximum weight (pounds or kilograms) of animals you will hold in the system ?
8. What is the maximum weight (pounds or kilograms) of feed you expect to use per day ?
9. What is the protein content (percent by weight) of the feed ?

Water Quality

10. What pH are you going to maintain in the system ?
11. Maximum allowable Total Ammonia Nitrogen (TAN) in mg/l or ppm ?
12. At what TAN level will the system be operated ?
< 0.5 mg/l
0.5 to 1.0 mg/l
> 1.0 mg/l
< 5.0 mg/l
13. Maximum allowable Nitrite-Nitrogen (NO₂-N) in mg/l or ppm ?
14. At what NO₂ level will the system be operated ?
< 0.5 mg/l
0.5 to 1.0 mg/l
> 1.0 mg/l
< 5.0 mg/l
15. What is the desired Total Suspended Solids (TSS) level you will maintain in the system ?
16. What temperature are you going to maintain in the system ?

Contact Information

Name: _____ Company: _____
Address: _____
Phone: _____ Fax: _____