

## ANOXIC FILTRATION

### Double Duty

Pot your aquatic plants and add superior pond filtration at the same time.

**Anoxic filtration** uses a planting media that can be reused year after year, is economical, and contains no organics or other contaminants. Your plants will not need any additional fertilizer.

The filtration is provided using an Anoxic (low oxygen) Biocenosis Basket. This method skips the usual biological filtration of most biological filter systems whereby ammonia is converted to nitrite and then to the end product of nitrate. In the Anoxic system, bacteria directly convert ammonia to nitrogen gas, and consume any otherwise existing nitrite and nitrate plus phosphate.

The result is lush, vigorous plant growth and excellent water quality. You should also notice a reduction in algae.

Supplies needed:

- Mesh basket about 12" square and 8 inches high. The basket should have holes on all sides and the bottom. Smaller baskets may be used; larger baskets will work also but will be heavy.
- Four pieces of PVC pipe or unions for legs for the baskets plus four cable ties to attach legs.
- Cat litter made from clay that has been baked, is non-scented and non-clumping. Wal-Mart's *Special Kitty Cat Litter* works great. A bag will fill about 1½ 12" baskets.
- Ironite 1-0-1 by Pennington, 6 oz in nylon stocking pouch for 12" basket.

Attach legs to basket. You need water to flow by all six sides.

Fill basket ½ full with kitty litter, add pouch of Ironite in center, finish filling with kitty litter.

To prevent fish from disturbing the kitty litter, you may need to place appropriate sized rocks on top of the kitty litter.

Add plant to basket and immerse in pond. - That's it! Simple!

You may have some cloudiness from the kitty litter that will disperse in a day or two. The Ironite will need to be replaced annually. For adequate filtration more biocenosis baskets will be needed. Use one basket or more for each adult koi.

Information on Anoxic Filtration: [www.mankysanke.co.uk](http://www.mankysanke.co.uk)

Or condensed information: [www.iewgks.org](http://www.iewgks.org)

## An Invitation to Join Inland Empire Water Garden & Koi Society



**Our mission is to promote the hobby of  
water gardening and  
keeping of ornamental fish.**

**Learn more at [www.iewgks.org](http://www.iewgks.org)**

Photo: Kabrell's Pond, Newman Lake, Washington

INLAND EMPIRE WATER GARDEN AND KOI SOCIETY  
Membership Application/Renewal

Name: \_\_\_\_\_

Spouse or other: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Send newsletter by mail? \_\_\_\_\_

Cell: \_\_\_\_\_ E-mail: \_\_\_\_\_

S/O Cell: \_\_\_\_\_ S/O E-mail: \_\_\_\_\_

(Newsletter will be sent by e-mail unless you request otherwise.)  
(Please print legibly, especially e-mail addresses)

To help your Society serve you better, please provide the following information:

Do you have a pond? \_\_\_ Yes \_\_\_ No

How many years of Pond/Koi/Goldfish experience? \_\_\_\_\_

What are your primary interests?

\_\_\_\_\_ Pond designs      \_\_\_\_\_ Pond construction

\_\_\_\_\_ Water gardening      \_\_\_\_\_ Plant care

\_\_\_\_\_ Filtration      \_\_\_\_\_ Water quality

\_\_\_\_\_ Koi      \_\_\_\_\_ Goldfish

Other \_\_\_\_\_

Would you like to host a meeting at your pond? \_\_\_\_\_

**ANNUAL DUES**

April 1 to March 31

Family: \$10.00; 65; Senior: \$10.00

Make check payable to IEWG&KS

Mail to: IEWG&KS

10304 E. Upriver Dr., Spokane WA 99206-4523

Or, join on-line on our web site: [www.iewgks.org](http://www.iewgks.org)

For additional information, call John at 509-924-7672

Email: [president@iewgks.org](mailto:president@iewgks.org)

**Membership Has Its Rewards**

Whether you own a pond/water garden or have plans for building one, the Inland Empire Water Garden and Koi Society will benefit you. Water gardens and ponds come in all sizes and shapes. Some have fish while others contain only water plants. Every water garden is unique and has its own special features. Some are simple while others are very complex. There is nothing better than sitting by your water garden/pond with the beverage of your choice and relaxing.

**Key benefits and activities include:**

- ◆ Monthly newsletter (excluding Dec. & Jan.)
- ◆ Monthly meetings, except winter.
- ◆ Weather permitting, meetings are held pond side.
- ◆ Meetings usually include an educational program or workshop (see website for schedule)
- ◆ Informative website with featured articles and research links
- ◆ Free advice and help from members with many years of experience in design and construction of ponds, plant selection and care, fish health and water quality
- ◆ Discounts on club purchases of supplies, koi and plants.
- ◆ Scholarships available for advanced koi and pond care certifications.
- ◆ Socialize with members who share a common interest in water gardening and keeping of ornamental fish

