



**Bringing Home Nature's Idea  
of What a Pool Should Be**

# BioNova Natural Pools

## Swimming the Way Nature Intended

### A chemical- free waterscape the entire family will enjoy

Few things are as refreshing as taking a swim in your own pool. Enjoying the stress relief, tranquility, privacy and invigorating pick-me-up, whenever you'd like, without leaving home, has great appeal. Fun with family and friends, barbecues, parties and summer evening relaxation make for instant vacations in your own backyard. Yet, one aspect of pool ownership has often been troubling to many people.

### Chlorine and Other Water Maintenance Chemicals... an unnatural alliance

The additives commonly found in pool water are a direct contradiction to truly fresh, pure, natural pool water. Chemically conditioned water is essentially dead, poisoned water. Virtually every naturally occurring and beneficial microorganism has been killed to create the look we've come to associate with clean pool water. If the odor of a heavily chlorinated pool doesn't convince you it's perhaps not the ideal environment to immerse yourself in, red and burning irritated eyes, dried out skin and hair should help to make the case.







## A Swimming Pond Direct from Nature's Drafting Board

Imagine living far out in the countryside where the nearest industrial smokestack and wastewater effluent is miles and miles away. Picture a place where crystal clear water flows naturally from springs into streams and lakes teeming with life, long before they are violated with the pollutants of modern day living. And, instead of a chemically treated pool, picture the luxury of a pristine, naturally purified swimming pool. A pool with water that's as safe and pure as Mother Nature can make it thanks to filtration and purification handled by a water garden adjacent to your swimming area. That's swimming the way nature always intended...**the BioNova way.**

## Introducing BioNova Natural Swimming Pools

BioNova Natural Swimming Pools are widely used and enjoyed throughout Europe and Australia where conservation, ecology and sustainability are an inherent part of the culture. With more than 20,000 Natural Swimming Pool installations currently in use, it's clear that Europeans and Aussies are way ahead of the curve in wholeheartedly embracing the notion of natural swimming pools.

Now you no longer have to imagine a spring fed pond. With BioNova, you can make Mother Nature's swimming pool your own – it's virtually like having a mountain pond in your backyard. BioNova Pools are cleaned the way nature cleans...through a water garden with hand selected indigenous plants rooted hydroponically in a special gravel substrate, and augmented by European designed energy-efficient pumps and biological filters for the ultimate natural swimming experience.

## What does a BioNova Natural Pool look like?

Depending on your personal preferences and budget, BioNova has a range of options that can provide an ideal turnkey package for your natural swimming pool. The swimming portion of the pool can look like a conventional swimming pool or a natural pond in virtually limitless configurations.

The regeneration/purification pond can be sited adjacent to the swimming area or in a remote location depending on the space available. But, regardless of the ultimate look of your pool, you can be certain, that from the design and construction of the swimming areas and regeneration zones, through the installation of the filtration system and natural plantings, BioNova will deliver superb technology, honed with decades of experience garnered from their installations across Europe. Now, along with enjoying the natural beauty of a BioNova pool installation, you'll also be able to relax in the comfort of knowing that you're swimming in a chemical-free pool that's also beneficial to the environment and energy efficient as well.



*BioNova single chamber design*



*BioNova multi-chamber design*





## How Does BioNova Filtration Technology Work?

At the heart of the BioNova system is the biological treatment pond, consisting of a lined overflow pool filled with specific filtration substrate and flora. Plants used for water regeneration can be supplemented with decorative flowering species to create a lush green environment. Microbes, microorganisms and the water plants ensure effective, continuous cleaning. In addition, the filtration technology BioNova employs relies on a combination of hydraulic design techniques in conjunction with the BioNova fine filter.

Materials such as leaves, pollen, dust or suntan lotion commonly found floating on the water's surface are removed by a BioNova skimmer or overflow channel. These BioNova designed devices allow optimal skimming of the water surface and reduce silting. In the downstream, the BioNova bioreactor biological filter removes and retains additional particulate matter down to a particle size of 100 microns. BioNova pumps hydraulically optimize water flow rates and volumes, thereby accelerating the cleaning process even further. This combination of mechanically enhanced natural filtration ensures that you'll enjoy natural, clear water.

## Customized Swimming Solutions Tailored for Your Specific Region

Each BioNova system is custom tailored to the region and climate where it's installed. Your individual natural swimming pool will be expressly designed and custom fitted with the appropriate biological filter and just the right combination of contaminant ridding plants best suited to your specific locale. BioNova Natural Pools have been installed from the hot, tropical climates of northern Australia, to the hot, dry areas of southern Italy, to the temperate regions of central Europe, to the cooler altitudes of the Alps. BioNova designs, just like Mother Nature, will work in every normally habitable climate zone.





## The BioNova Principle of Filtration

Below is an example of a single chamber pool. Although BioNova's special filtration designs far exceed this simple example, one can appreciate how the basic filtration and cleaning of the water is accomplished from the drawing below.

### Regeneration Zone:

The water exits the bathing area by natural overflow and enters the regeneration zone. In this planted zone, microbes and plants rooted in the substrate filter help to clean the water.

### Skimming:

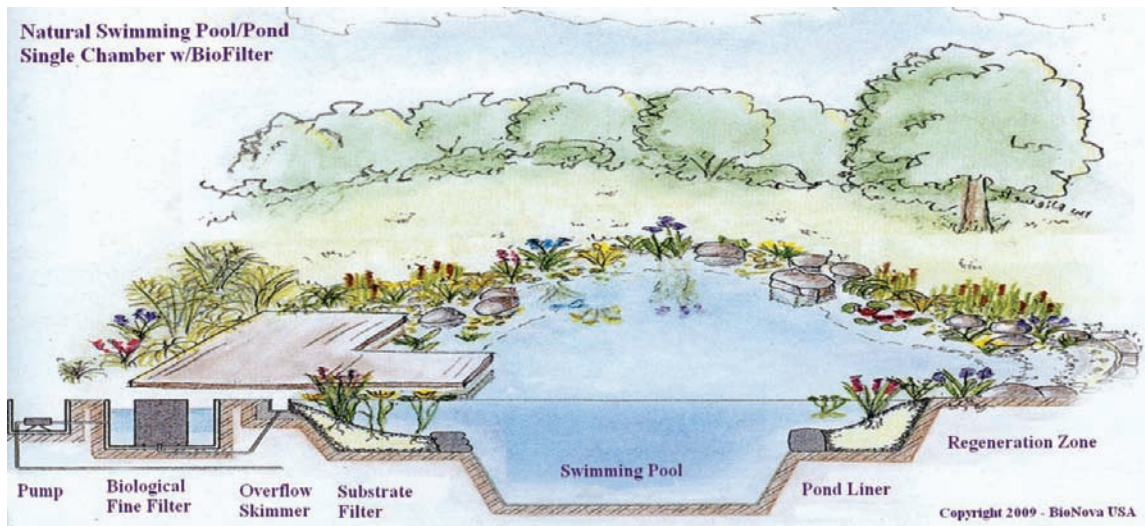
The overflow skimmer catches leaves and other floating debris. Easy to clean, this non-entrapment skimmer is safe for children and small animals.

### Biological Filter:

The biological fine filter removes small particles from the water. BioNova natural pools always use a special BioNova fine particle filter to help keep the water cleaner.

### Pump:

The energy-efficient BioNova pump draws the water through the fine filter and returns it to the pool. BioNova natural pools consume far less energy than traditional chemical pools.



# Unlimited Design Options

Whether you prefer a classically formal pool, a naturally integrated rock-rimmed pool or even wish to transform your existing chemically-treated in-ground pool into a BioNova Natural Swimming Pool, we can accommodate you. Each of our installations are custom designed to complement your property, home and lifestyle.



*Photo shows a traditional swimming pool converted into a BioNova natural pool.*





## Your BioNova Dealer

We're not your every day pool contractor. BioNova Dealers are unique in that they share your passion for the environment and conservation. Before becoming BioNova Dealers, each has been vetted to meet the most stringent criteria and has already been successful in building watershapes in high-end residential environments.

BioNova Dealers undergo extensive training in the proprietary processes pioneered at the BioNova headquarters in Germany. They must demonstrate proficiency in...

- Design Elements
- Technology
- Biology
- Limnology
- Construction Techniques
- Hydraulics
- Bioreactors and Filtration Systems
- Mechanical Cleaning Devices

This is your assurance that every BioNova Natural Swimming Pool is constructed and serviced by only the best trained, dedicated and knowledgeable contractors. And every BioNova Natural Swimming Pool is given a BioNova Certificate of Authenticity upon completion. This means that your Natural Swimming Pool has been built to BioNova's high standards, affording you peace of mind while adding value to your home.



## BioNova Natural Swimming Pools: The Natural Choice

If you're considering constructing a new or re-engineering an existing pool, consider all the factors, including the environment. Join the tens of thousands of Europeans who've chosen a natural swimming pool from BioNova. Free yourself from chlorine and chemical maintenance, while saving energy, enjoying a beautifully landscaped water environment and being ecologically responsible. Make the Natural Choice, your choice and let BioNova provide you and your family with years of healthy recreation.







## Call or Click for More Information

For more information and to locate your nearest BioNova dealer, call 908-818-8135 or visit us on-line at: [www.BioNovaNaturalPools.com](http://www.BioNovaNaturalPools.com).



**BioNova**<sup>®</sup>  
*natural pool*

**908-818-8135**  
[www.bionovanaturalpools.com](http://www.bionovanaturalpools.com)

North American Headquarters:  
17 Route 46  
Hackettstown, NJ 07840