

Technical Data

	The Purefun™	The Classic™	The Ultimate™
Pool Size (ft²) (m²)	7,000 - 15,000 650.3 - 1393.5	15,000 - 25,000 1393.5 - 2322.6	25,000 - unlimited 2322.6 - unlimited
Wave Height (crest to trough)	2' - 4' 0.6 - 1.2 m	2' - 6' 0.6 - 1.8m	2' - 8' 0.6 - 2.4 m
Wave Frequency (sec)	10 - 30	10 - 30	10 - 30
Energy Consumption (hp) (based on frequency) (kw)	250 - 600 186.4 - 447.4	800 - 2000 596.6 - 1491.4	800 - 2400 596.6 - 1789.7
Ride Length (yards) (meters)	30 - 40 9.1 - 12.2	50 - 60 15.2 - 18.3	70 - unlimited 21.3 - unlimited
Reef Configuration	Fixed	Fixed Modular VersaReef™	VersaReef™

Contact Info



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Custom-Designed Wave Pools for the Ultimate Surfing Experience

Everyone can now experience the thrill of surfing or bodyboarding on real waves. The Aquatic Development Group's WaveTek Division has joined forces with the oceanographic PhD's of Artificial Surf Reefs Limited, and surf-industry veterans of SurfParks Ltd. so that the surfing dream has come true. . .

The Perfect Wave - Time After Time

. . .created by a scientifically-designed surfing wave pool with unique shape and wave generation equipment for the ultimate surfing experience.



- The Purefun™
- The Classic™
- The Ultimate™



- Quality waves for all level of surfers • Tubing barrels and slow rollers •
- Wave heights from 2-8 foot (0.6-2.4 meter) • Wave intervals from 10-30 seconds •
- Unique patent pending WEDGE™ pool design to maintain wave quality and lengthen surf rides •
- Fully computer controlled floor systems recreating the world's best surfing waves •
- Continuously updated floor designs • Nearly infinite variety of wave shapes •
- Efficient energy use and reliable GROUNDSWELL™ wave generation •

This system presents a great new profit opportunity





Surf Pool Technology

Perfect Waves are Produced by Several Breakthroughs in Wave Technology

• **GROUNDSWELL™ Wave Generation System**

The GROUNDSWELL™ surfing wave generator produces a crisp, clean swell, with intervals ranging between 10 and 30 seconds. The range allows adequate time for each surfer to get in position to catch a wave, while still providing high throughput for economic efficiency. Waves are generated from 2 to 8 feet, (0.6 to 2.4 meters), and wave angle is adjustable to perfectly synchronize the swell with the bottom contours.

Surf pools have very specific requirements with respect to wave quality, interval and energy consumption. The GROUNDSWELL™ system evolved from over 25 years of WaveTek experience and more than 300 wave generation system installations worldwide. – GROUNDSWELL™ is reliable, energy efficient and virtually maintenance free.

• **WEDGE™ Pool Design**

The patent pending WEDGE™ pool design was developed by former University Professor Kerry Black, an internationally acclaimed expert on ocean and surfing wave dynamics. He founded and leads Artificial Surf Reefs Ltd., the world's most advanced firm in the design of artificial reefs in the ocean - for shore preservation and surfing. Dr. Kerry Black perfected the WEDGE™ pool design after hundreds of computer and physical model tests.

The WEDGE™ is the first pool scientifically designed for quality surfing. The shape preserves not only the wave height but also the wave quality through the entire length of the ride. The pool shape actually increases wave height once the swell hits the reef. This translates into significant energy savings with top quality surfing waves.

Another advantage is the cost-savings benefit of its minimal footprint...ride lengths are maximized while the total area of the pool is minimized.



• **REEF™ Floor System**

The unique patent pending REEF™ system in the pool creates the wave's perfect breaking shape. We offer three REEF™ designs - Fixed, Modular and the ultimate VersaReef.

• **Fixed**

With a Fixed REEF™ configuration, the floor of the wave pool is designed and built to offer a single left or right breaking wave. This is the most economical approach to bring high-quality surfable waves into the pool environment.

• **Modular**

The Modular REEF™ is a series of inserts that can deliver both left and right breaking waves depending on how they are set up on the pool floor. They are manufactured of soft padded material proven to withstand the world's open ocean environment and are ideally suited for long life in the pool. These durable reef inserts can be manually reconfigured to vary the floor shape and wave breaking characteristics, e.g. from a left to a right. If you plan on changing the pool bottom infrequently (weekly or more), than these modular reef inserts may be the right solution.

• **VersaReef™**

The computer-controlled VERSAREEF™ adjustable pool floor offers unlimited wave-shape possibilities, ensuring customer retention and enjoyment. Our exclusive VERSAREEF™ delivers near infinite variability with the press of a button. The VERSAREEF™ adjusts in minutes - from a left to right breaking wave or a fast tube to a soft beginner's ride. Reef contours designed by Artificial Surf Reefs Ltd. are derived from actual surveys of over 40 of the world's best surfing waves and are stored in the VERSAREEF™ operating system. We can also provide new or custom wave programs on a regular basis. These new designs are based on ongoing research in Dr. Black's artificial reef program, ensuring your pool remains state-of-the-art.



Surf Pools and Facilities

The Purefun™ The PUREFUN™ design provides the ideal learning environment for first-time or novice wave-riders. Because of this, it is the ideal addition to an existing waterpark or amusement park. The biggest hurdle in learning to surf is the inconsistency and unpredictability of the ocean. The PUREFUN™ solves all of these problems by creating a slow-breaking, perfectly shaped waves every time. Wave heights and intervals can be modified to control the pace and capacity depending on the individual needs of a surfer during lessons. The PUREFUN™ features a Groundswell wave generator, scaled-down Wedge™ pool design and Fixed reef.

The Classic™ The CLASSIC™ is a full-sized surf pool that utilizes a Groundswell wave generator, Wedge™ pool design and Modular or VersaReef™ technology, producing perfect surf and full operational control of wave height, speed and shape, as all functions are instantly adjustable via computer interface. This allows the pool to accommodate various ability levels in the same session. The CLASSIC™ can create smaller waves with a gentle slower break more suited to beginners and be programmed to progressively become faster, larger and hollower for a challenging day in the pool. The CLASSIC™ allows you to offer both left and right breaking waves as well as the ability to continually update wave options, an ever-changing new and unique experience for your regular surfers.

The Ultimate™ Designed as a stand-alone "Surf Club" or four-season supplement to an existing park, the ULTIMATE™ combines Groundswell™, Wedge™, and VersaReef™ technology in a controlled environment. The facility is designed to meet the needs of the most demanding surfers and bodyboarders ... high-class waves for fun, learning and surfing competitions.

Services

Just let us know your goals and we will do our best to help you realize them. From initial design through complete facility management services, the powerful trio of WaveTek™, ASR and Surfparks LLC can fulfill your project's requirements with turn-key solutions.

- Economic Analysis
- Business Planning
- Design & Engineering
- Equipment Supply
- Project Construction
- Facility Management

Surfdome™

The SURFDOME is a free standing revenue producing facility that expands the surf experience to a new level. A viewing pier, restaurant, pro-shop, party room and other amenities can be added to your SURFDOME™ project to create a self-sufficient, highly profitable facility. This exciting use of our ULTIMATE™ surfing pool technology is readily available through Jamie Mieselman, Surfparks LLC - info@surfparks.com

