





We are the Waves experts. No one understands wave-generating technology better than we do, because we invented it! With over 30 years of experience and more than 200 global installations, WhiteWater's in-house team of experts is ready to build your legendary waves.

Patented Technology The most advanced wave-generating technology that is safe, versatile, and reliable.

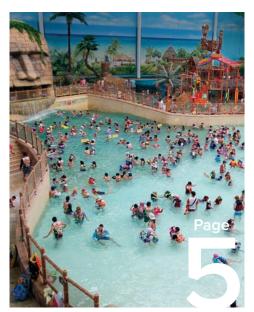
Ultimate Customization Waves are designed to meet your unique facility programming requirements fitting any budget, site and schedule.

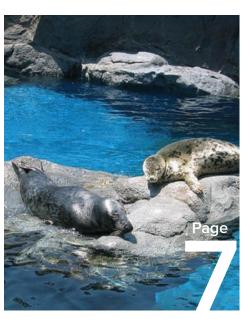
Concept to Completion First-class service is offered through every step of your project with a dedicated team of professional designers, engineers, project managers, manufacturing and after sales staff.

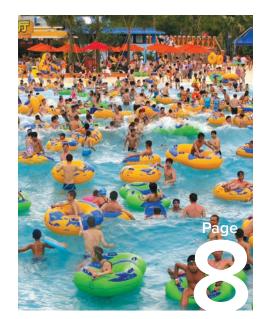
Efficient Operations Generate impressive waves and have flexible operations with 8 wave patterns, highly efficient equipment, controllable power consumption and a water recycling system.

Lotte Gimhae Waterpark, Busan, South Korea













Hydraulic Systems Pneumatic Systems

Custom Design

Key Installations

Technical Specifications

Front Cover: Vivaldi Park Ocean World, Gangwon-do, South Korea

"Walt Disney Imagineering was fortunate to have found WhiteWater. Their efforts in response to an extraordinary technical and production challenge have provided the Typhoon Lagoon project with an incomparable wave machine, far superior to what presently exists in the industry and an incomparable wave!"

Wave Patterns





HYDRAULIC SYSTEMS

Ideal for creating crashing waves!

Attract thrill seekers to the largest wave pools in the world. Hang ten on waves reaching up to 3.5m (11.5ft) high with WhiteWater's patented hydraulic wave-generating equipment. Our waves are second to none, creating the perfect surge to surf or boogie board every 60 seconds. With the ability to generate 5 unique wave patterns, you will offer guests a memorable experience they will come back for again and again.



HOW DOES IT WORK?

Extreme River

12,000 guests

Hourly Throughput

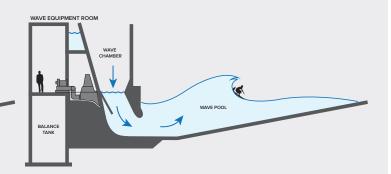
Surf Waves Instantaneous Capacity 3,200 - 5,900 guests

WAVE EQUIPMENT ROOM

WAVE
CHAMBER

WAVE POOL

Enormous holding tanks 9m (30ft) above the deep end of the pool are filled with water. When the gates in the bottom of the tanks are opened, gravity pushes the water down into the pool creating a massive wave.





Vivaldi Park Ocean World, Gangwon-do, South Korea



Atlantis Paradise Island, Paradise Island, The Bahamas





Up to 3.5 m (11.5 ft) waves
 Pools up to 13,000 m² (140,000 ft²)
 5 hydraulic wave patterns

KEY FEATURES

Surging waves every 60 seconds
 Stand-up surfing compatible
 Multi-functional with pneumatic options

CHILDREN'S WAVES

PNEUMATIC SYSTEMS

Simple, cost effective and low maintenance!

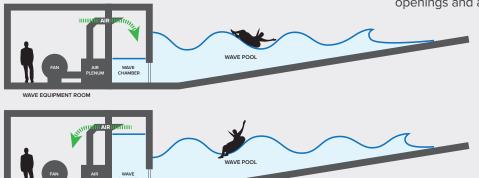
The most common indoor and outdoor wave-generating equipment uses pneumatic technology to create waves up to 1.5m (5ft) high every 1.2 seconds. WhiteWater's unique wave chamber system generates up to 8 wave patterns and allows guests to experience multiple sensations. Pneumatic equipment can be used in pools or in rivers, producing waves of fun for any age.





HOW DOES IT WORK?

Air from the wave fan is blown into chambers at the deep end of the wave pool. The water is forced down through underwater openings and a surge is created in the wave pool.



Instantaneous Capacity

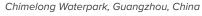
Children's Waves 50 - 200 guests

Family Waves 100 - 2500 guests

Dual Waves 1800 - 3200 guests

Wave River Hourly throughput varies on length







Chimelong Waterpark, Guangzhou, China

KEY FEATURES



\cdot Up to 1.5 m (5 ft) waves · Pools up to 4,650 m² (50,000 ft²) · 8 pneumatic wave patterns

· Continuous waves every 1.2 seconds · Ideal for indoor and outdoor installations · Dual waves provides simultaneous experiences

WHITEWATER. Woterporks

CUSTOM DESIGN

Unique water features!

Waves aren't just for waterparks! WhiteWater offers unique wave applications for a variety of facilities. From small ripples to ocean swells, we can turn your idea into a reality.





Original Concept Rendering



Vivaldi Park Ocean World, Gangwon-do, South Korea

WhiteWater's custom waves can be found in:

Aquariums **Training Pools** Personal Residences

Airports Casinos Museums



Engineering the ultimate experiences!

WhiteWater's wave-generating technology has been featured in top waterparks globally.

LEGENDARY WAVES







Falls View Waterpark, Canada Beach Park, Brazil Atzimba Water Park, Mexico Xocomil Waterpark, Guatemala Kazan Aqua Park, Russia Sindbad Resort, Egypt

Valley of the Waves, South Africa Jade Gardens Waterpark, India Aqua Sferra Waterpark, Ukraine Ibom Tropicana, Nigeria Yas Waterworld, UAE Waterbom Jakarta, Indonesia Chimelong Waterpark, China

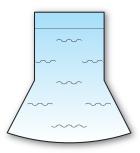
World-renowned clients trust WhiteWater as their preferred supplier:

Lotte Gimhae Kimhae Waterpark, Korea Discovery World Waterpark, Taiwan Disney's Typhoon Lagoon, USA Six Flags, USA Saad Group of Companies, Saudi Arabia Atlantis The Palm, Dubai

Vivaldi Park Ocean World, Korea Sunway Lagoon, Malaysia Mt. Olympus Water & Theme Park, USA Space World, Japan Paradise Island Waterpark, China Aqualand Waterpark, Greece Bali Waterpark, China Schlitterbahn, USA Samsung Everland Caribbean Bay, S.Korea ...and many, many more.

WAVE PATTERNS

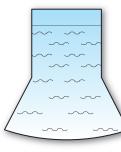
Never a dull moment! Change the wave pattern with the touch of a button for a different wave experience within seconds. Each wave pattern has a different intensity depending on the wave's path, delivering the ultimate operational flexibility.



DIAMOND 1

Wave Intensity: Moderate to High

Surges of water push floating guests around on a bumpy sea.

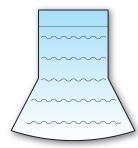


DIAMOND 2

Wave Intensity: High

Waves build on each other, creating large ocean-like swells.

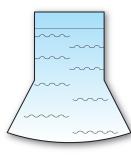
The Diamond 2 pattern creates sloshing waves that feel unpredictable.



PARALLEL

Wave Intensity: Low

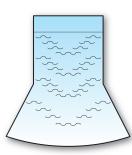
Constant and steady flowing waves, the Parallel pattern creates a continuous stream of breaking waves.



HALF PARALLEL

Wave Intensity: Moderate

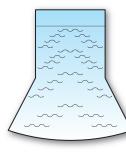
Add unpredictability to the waves, as the two sides of the pool are slightly off sync.



VEE

Wave Intensity: Moderate

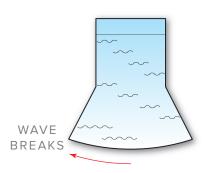
A steady formation of waves that build from the outer edges to the centre. Larger wave crests form in the middle of the pool.

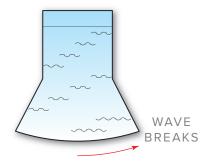


INVERTED VEE

Wave Intensity: Moderate

A steady formation of waves that build from the centre to the outer edges of the pool. Larger wave crests form along the side walls of the pool.





LEFT OR RIGHT DIAGONAL

Wave Intensity: High

Waves build along the wall where they break creating high waves. Can been used for beginner surf training.

Use directional waves to avoid high impact onto an AquaPlay™ or other pool features, if incorporated.







	Instantaneous Capacity	Hourly Throughput	Pool Size	Wave Height	Wave Frequency	Wave System	Cost
Surf Waves	3200 - 5900	N/A	Up to 13,000 m ² (140,000 ft ²)	Up to 3.5 m (11.5 ft)	20 - 90 seconds	Hydraulic Pneumatic Combo	\$\$\$\$\$
Family Waves	100 - 2500	N/A	Up to 4,650 m² (50,000 ft²)	Up to 1.5 m (5 ft)	2.8 seconds	Pneumatic	\$\$\$
Dual Waves	1800 - 3200	N/A	Up to 6,000 m² (64,000 ft²)	Up to 3.5 m (11.5 ft)	2 - 60 seconds	Pneumatic	\$\$\$\$
Children's Waves	50 - 200	N/A	Up to 230 m² (2444 ft²)	Up to 1.5 m (5 ft)	2 seconds	Pneumatic	\$\$
Extreme River	N/A	12,000	Varies on river path	Up to 1 m (3 ft)	15-20 seconds	Hydraulic	\$\$\$\$
Wave River	N/A	Varies on length	Varies on river path	Up to 0.6 m	2.8 seconds	Pneumatic	\$\$

What is the usual power consumption of a wave pool?

The power consumption of a wave pool depends on the size of the pool. Typical power consumption can range from 25 kW to 600 kW.

How do WhiteWater's waves use less power?

The patented system uses a common distribution channel so any combination of the four main pumps can supply water to all of the wave chambers that produce waves. Easily adjustable, parks can save money on power consumption by operating their pool with a single pump on a slow day or all four pumps on high capacity days.

How do WhiteWater's pools and rivers use less water?

Our pools are designed to minimize splash out and eliminate wasted water.





WhiteWater is the world's largest designer and manufacturer of a diverse range of ORIGINAL products for the waterpark and attractions industry. We specialize in high quality waterslides, multi-level water play structures, wave-generating equipment, FlowRider® stationary surfing machines, harnessed attractions, interactive play and water rides. With reliable customer service representatives dedicated to each stage of the project, WhiteWater is the industry leader in concept to completion project execution.





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