

Blue Wave NB19833

Blue Wave Affinity Above Ground Swimming Pool

Model: NB19833 | 18-ft Round x 52-in Deep

IMPORTANT SAFETY INFORMATION

WARNING: Parental guidance is required for children. Never leave children unattended in or near the pool. Always ensure proper supervision.

- **No Diving:** This pool is not designed for diving. Serious injury or death may result.
- **Fencing:** Ensure your pool area is adequately fenced and secured to prevent unauthorized access, especially by young children.
- **Chemicals:** Handle pool chemicals with extreme care. Always follow manufacturer's instructions for storage, handling, and application. Keep out of reach of children and pets.
- **Electrical Safety:** All electrical components (pump, filter) must be connected to a Ground Fault Circuit Interrupter (GFCI) protected outlet. Do not use extension cords.

PRODUCT OVERVIEW

The Blue Wave Affinity Above-Ground Pool is engineered for durability and enjoyment, providing a complete backyard swimming experience. This package includes all essential components for setup and maintenance.



Image: The complete Blue Wave Affinity 18-ft Round Above Ground Swimming Pool, assembled and filled with water.

Key Features:

- **Durable Steel Wall:** Features a modern basket weave pattern, providing strength and visual appeal.
- **Resin Top Rails & Uprights:** Wider, weather-resistant 7-inch resin top rails and uprights ensure stability and resist cracking or discoloration.
- **Efficient Sand Filter System:** Includes a 1.0 HP dual-speed pump designed for effective water circulation and cleanliness.
- **Standard-Gauge Overlap Liner:** Durable liner for water containment.
- **A-Frame Ladder:** Heavy-duty resin ladder with a 250-lb capacity, featuring a locking, flip-up design for safety.
- **Complete Maintenance Kit:** Includes a skimmer, nylon wall brush, vinyl liner vacuum head, leaf skimmer, 3-piece 12-ft pole, thermometer, and 25-ft vacuum hose.



Affinity Round Pool Package



**Hard
Steel Walls**



**Fade Resistant
Materials**



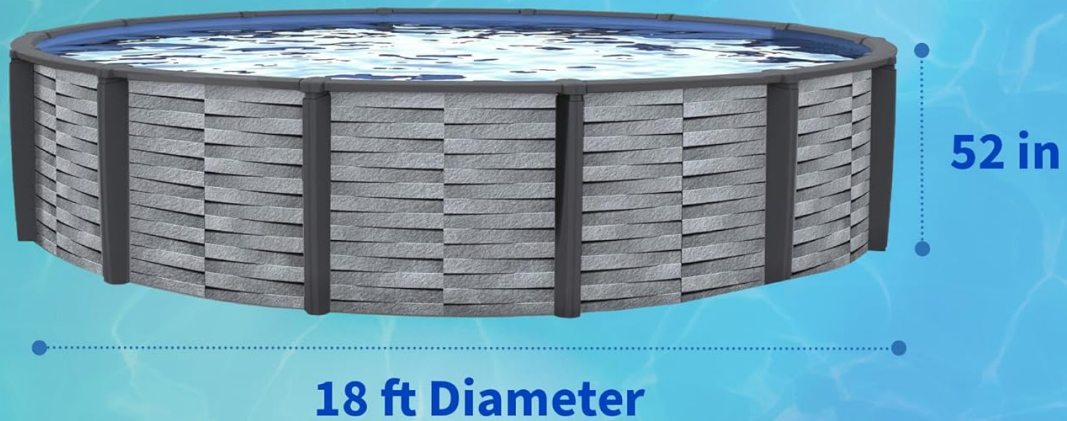
**Rust
Resistant**

**7,200
GALLONS**
WATER CAPACITY



Image: An aerial view of the Blue Wave Affinity pool in a backyard setting, highlighting its hard steel walls, fade-resistant materials, rust resistance, and 7,200-gallon water capacity.

Hot-Dip Galvanized Steel with Zinc-Aluminum Coating



Resin Uprights
Keeps pool walls
stable for years

Resin Top Caps
Shields joints
from rusting

7-Inch Top Rails
Strengthens the
pool frame

Image: A diagram showing the pool's dimensions (18 ft diameter, 52 inches deep) and key structural components like resin uprights, resin top caps, and 7-inch top rails.

SETUP AND INSTALLATION

The Blue Wave Affinity pool is designed for DIY installation. Proper site preparation is crucial for the pool's stability and longevity. It is recommended to have at least two to four people for assembly.

1. Site Preparation:

- Choose a level, firm area free from rocks, roots, or debris.
- Ensure adequate drainage away from the pool area.
- Verify there are no underground utilities (pipes, wires) in the chosen location.

2. Pool Assembly:

- Unpack all components and verify against the parts list in the official manual.

- Assemble the bottom track and uprights according to the detailed instructions provided in the manufacturer's manual.
- Carefully unroll and secure the steel wall. This step often requires multiple people due to the weight and flexibility of the wall.
- Install the pool liner, ensuring it is centered and smooth.
- Assemble and attach the top rails and top caps.

3. Filter System and Ladder Installation:

- Position the sand filter system on a stable, level surface near the pool.
- Connect the skimmer and return lines to the filter pump system using the provided hoses and fittings. Ensure all connections are tight to prevent leaks.
- Fill the sand filter with the recommended amount of filter sand (110 lbs capacity).
- Assemble the A-frame ladder and place it securely against the pool wall. Ensure the locking mechanism functions correctly.



Sandman™ Sand Filter System

16,000-Gal Turnover Rate
Keeps water circulating for a cleaner pool

1.5" Diameter Pipe Fitting
Engineered for easy & secure connections

1.0-HP Dual Speed Pump
Circulation rate of 3,720 gal. per hour

110-Lbs Sand Capacity
Effectively traps dirt and debris

The image shows a large, grey, spherical sand filter tank with a black pump unit attached to its side. A flexible grey hose connects the pump to the filter tank. The entire system is mounted on a black base. The background is a blue and yellow wavy pattern.

Image: The Sandman Sand Filter System, showing the sand tank, pump, and connecting hoses, with specifications like 16,000-gallon turnover rate and 1.0 HP dual-speed pump.

Safety Meets Comfort

Durable Resin Materials

Built-in platform for safe entry and exit

Two Piece Barrier

Provides added safety, especially for children

Lockable Flip-Up Steps

Blocks access when not in use



Image: The A-frame pool ladder, detailing its dimensions (81 inches high, 48 inches wide, 24 inches deep) and features like durable resin materials, a two-piece barrier, and lockable flip-up steps.

For detailed, step-by-step instructions, always refer to the official PDF user manual provided with your product or available for download from the manufacturer's website.

OPERATING THE POOL

Once assembled and filled, proper operation of your pool's filtration system and water chemistry management are essential for a clean and safe swimming environment.

1. Initial Start-up:

- Before starting the pump, ensure the filter tank is filled with water and the pump is primed according to the filter system manual.
- Open all necessary valves to allow water flow through the skimmer and return lines.
- Turn on the pump. Allow it to run for several hours to circulate the water and remove initial debris.

2. Filtration Schedule:

- Run the filter system for at least 8-12 hours per day, or as needed, to ensure proper water circulation and filtration.
- Adjust the filtration time based on pool usage, weather conditions, and water clarity.

3. Water Chemistry:

- Regularly test your pool water using a reliable test kit.
- Maintain balanced levels for:
 - Chlorine:** 1-3 ppm
 - pH:** 7.4-7.6
 - Alkalinity:** 80-120 ppm
 - Calcium Hardness:** 200-400 ppm
- Add necessary chemicals (sanitizer, pH adjusters, algaecide) as directed by their manufacturers to maintain optimal water quality.

MAINTENANCE

Consistent maintenance is key to keeping your pool clean, safe, and extending its lifespan.

1. Daily/Weekly Cleaning:

- **Skimming:** Use the leaf skimmer to remove floating debris from the water surface daily.
- **Brushing:** Brush the pool walls and floor weekly to prevent algae growth and loosen debris.
- **Vacuuming:** Vacuum the pool floor weekly or as needed to remove settled dirt and debris.
- **Skimmer Basket:** Empty the skimmer basket regularly to ensure efficient water flow to the filter.



**Nylon Wall
Brush**



**Vinyl Liner
Vacuum Head**



**Leaf
Skimmer**



**3-Piece 12-Ft Pole
and Thermometer**



**25-Ft Vacuum
Hose**

Economy Maintenance Kit

Includes essential tools for pool upkeep, making maintenance hassle-free.

Image: The Economy Maintenance Kit, including a nylon wall brush, vinyl liner vacuum head, leaf skimmer, 3-piece 12-ft pole with thermometer, and a 25-ft vacuum hose.

2. Filter Maintenance:

- **Backwashing:** Backwash the sand filter when the pressure gauge reads 8-10 PSI above its clean operating pressure, or when water clarity decreases. Follow the instructions on your filter's multi-port valve.
- **Sand Replacement:** Filter sand typically needs to be replaced every 3-5 years, depending on usage and water quality.

3. Winterization:

- Before freezing temperatures arrive, properly winterize your pool to protect it from damage.
- This typically involves balancing water chemistry, adding winterizing chemicals, lowering the water level, draining and disconnecting the filter system, and covering the pool. Refer to a comprehensive winterization guide for your specific climate.

TROUBLESHOOTING

This section addresses common issues you might encounter with your pool.

Problem	Possible Cause	Solution
Cloudy Water	Poor filtration, unbalanced chemicals, high debris load, algae.	Check filter pressure and backwash if needed. Test and adjust water chemistry (chlorine, pH). Run filter longer. Shock the pool.
Algae Growth	Low sanitizer levels, poor circulation, high phosphates.	Brush pool walls and floor. Shock the pool. Add algaecide. Ensure adequate filtration.
Pump Not Priming / Low Flow	Air leak in suction line, clogged skimmer basket, low water level, pump impeller clogged.	Check all connections for air leaks. Empty skimmer basket. Ensure water level is above skimmer opening. Clean pump impeller.
Water Leaks (Pump/Filter)	Loose connections, worn O-rings/gaskets, cracked housing.	Tighten all hose clamps and fittings. Inspect and replace worn O-rings or gaskets. If housing is cracked, professional repair or replacement may be needed.
Ladder Instability	Improper assembly, uneven ground, loose connections.	Re-check all assembly steps. Ensure ladder is on a firm, level surface. Tighten all bolts and connections.

If you encounter issues not listed here or if solutions do not resolve the problem, contact Blue Wave customer support or a qualified pool technician.

SPECIFICATIONS

Attribute	Detail
Brand	Blue Wave
Model Number	NB19833
Product Dimensions	216"L x 216"W x 52"H (18-ft Round x 52-in Deep)
Shape	Round
Color	Gray
Material	Steel, Resin, Hardware
Capacity	7,200 Gallons (approximate)
Included Components	1.0HP Filter System, 18ft Pool, Ladder, Liner, Skimmer, Maintenance Kit
Item Weight	323 Pounds

Attribute	Detail
Assembly Required	Yes
Manufacturer	Blue Wave Products
UPC	672875007523

WARRANTY AND SUPPORT

The Blue Wave Affinity Above Ground Swimming Pool is backed by a **30-year limited warranty**, providing peace of mind regarding its durability and quality.




Image: A blue square representing the pool liner color, often associated with the pool's interior. (Note: The provided image for '30_YEAR_LIMITED_WARRANTY.jpg' was not found, so a generic blue swatch image is used as a placeholder for visual representation of the pool's interior.)

For warranty claims, technical assistance, or any questions regarding your Blue Wave pool, please contact Blue Wave Products customer support directly. Refer to the contact information provided in your product packaging or on the official Blue Wave website.

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This manual is for informational purposes only. Always refer to the official manufacturer's manual for complete and up-to-date instructions.

Related Documents - NB19833

<div><p>Blue Wave AFFINITY 24-FT ROUND 52-IN DEEP STEEL WALL POOL INSTRUCTION MANUAL</p><p><small>Questions, problems, getting parts?</small> Contact Blue Wave Customer Support at 1-800-750-0077, Monday - Friday, 9am - 5pm EST.</p></div>	<p>Blue Wave Affinity 24-FT Round 52-IN Deep Steel Wall Pool Instruction Manual</p> <p>Comprehensive instruction manual for the Blue Wave Affinity 24-FT Round 52-IN Deep Steel Wall Pool. Includes assembly steps, safety guidelines, parts list, and warranty information.</p>
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 <p>SKU# MB213 MARTINIQUE 21-FT ROUND 52-IN DEEP STEEL WALL POOL INSTRUCTION MANUAL</p>  <p>Questions, problems, missing parts? Contact Blue Wave Customer Service at 1-800-555-5555 Monday - Friday 8am - 5pm EST</p>	<p>Blue Wave Martinique 21-FT Round 52-IN Deep Steel Wall Pool Instruction Manual</p> <p>Comprehensive instruction manual for assembling and installing the Blue Wave Martinique 21-FT Round 52-IN Deep Steel Wall Pool. Includes safety guidelines, parts list, assembly steps, and warranty information.</p>
 <p>SKU# MB224 BELIZE 18-FT ROUND 52-IN DEEP STEEL WALL POOL INSTRUCTION MANUAL</p>  <p>Questions, problems, missing parts? Contact Blue Wave Customer Service at 1-800-555-5555 Monday - Friday 8am - 5pm EST</p>	<p>Blue Wave Belize 18-ft Round 52-in Deep Steel Wall Pool Instruction Manual</p> <p>Comprehensive instruction manual for the Blue Wave Belize 18-ft Round 52-in Deep Steel Wall Pool, covering safety, parts list, assembly, and warranty information.</p>
 <p>SKU# MB250 MARBELLA 24-FT ROUND 52-IN DEEP STEEL WALL POOL INSTRUCTION MANUAL</p>  <p>Questions, problems, missing parts? Contact Blue Wave Customer Service at 1-800-555-5555 Monday - Friday 8am - 5pm EST</p>	<p>Blue Wave Marbella 24-FT Round 52-IN Deep Steel Wall Pool Instruction Manual</p> <p>Comprehensive instruction manual for the Blue Wave Marbella 24-FT Round 52-IN Deep Steel Wall Pool. Includes safety warnings, general water safety guidelines, parts list, assembly instructions, and warranty information.</p>
 <p>SKU# MB255 SAN PEDRO 15X30-FT OVAL 52-IN DEEP STEEL WALL POOL INSTRUCTION MANUAL</p>  <p>Questions, problems, missing parts? Contact Blue Wave Customer Service at 1-800-555-5555 Monday - Friday 8am - 5pm EST</p>	<p>Blue Wave San Pedro 15x30-ft Oval 52-in Deep Steel Wall Pool Instruction Manual</p> <p>Comprehensive instruction manual for the Blue Wave San Pedro 15x30-ft Oval 52-in Deep Steel Wall Pool, covering safety, parts list, site preparation, assembly, and warranty information.</p>
 <p>SKU# MB228 BELIZE 24-FT ROUND 52-IN DEEP STEEL WALL POOL INSTRUCTION MANUAL</p>  <p>Questions, problems, missing parts? Contact Blue Wave Customer Service at 1-800-555-5555 Monday - Friday 8am - 5pm EST</p>	<p>Blue Wave Belize 24-ft Round 52-in Deep Steel Wall Pool Instruction Manual</p> <p>Instruction manual for the Blue Wave Belize 24-ft Round 52-in Deep Steel Wall Pool, covering safety instructions, parts list, general information, installation steps, and warranty details.</p>