

Power Tower™

Owner's Manual

#02833-L



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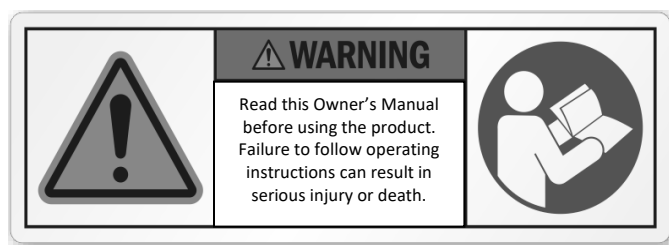


Table of Contents

Introduction.....3

General Safety Rules & Information.....4

Overview.....6

Inflation and Set Up.....7

Anchoring..... 15

Connecting to Attachments, Splash Trax Modules & Aqua Mat Deluxe.....17

Operation.....19

Cleaning & Storage.....21

Repairs.....23

Product Name: Power Tower

Date Purchased: _____

Purchased From: _____

Serial Number: _____

(Serial # is located next to the inflation valve on the tube.)

ATTACH PROOF OF PURCHASE HERE

Introduction

Thank you for purchasing a RAVE Sports® Power Tower™ multi-purpose activity tower. This Owner's Manual is presented to enhance your enjoyment of the product and is intended to alert you to some of the potentially dangerous conditions that can arise in all water sports. It also contains important safety instructions and information about how to assemble, use and care for your product.

Thoroughly read this manual before assembling and using the product. Although the product is simple to use, this manual contains important safety information that all users must understand to safely enjoy it.

Ensure that users also receive proper education and supervision and understand the safety instructions and warnings presented in this manual. Save this manual for future reference.

For answers to any questions regarding this product, call RAVE Sports at 1-800-659-0790 during the hours of 8:00 am to 4:30 pm Central Standard Time Monday – Friday or visit www.ravesports.com. Have your serial number available to help us better assist you.



WARNING



Unsafe use of the Power Tower can result in personal injury or death.

To reduce the risk of injury, read and follow all instructions and warnings in this manual. Do not use this product unless you understand and accept the risk of injury involved with this activity.

Safety Rules and Information

- Read and understand the information contained in this owner's manual before assembling and using your product.
- Ensure that users are aware of and understand these safety rules and warnings.
- **AVOID DROWNING:** Do not attempt to swim under this product.
- This product is designed to be used on large bodies of water with a minimum of 8 feet (2.4 m) water depth. Do not use or allow anyone else to use the product on land or any other hard surface.
- Choose a location for installation that is protected from wind, of sufficient water depth, and free of obstructions in all directions including underwater.
- Do not connect directly to docks, piers or other hard objects. Maintain a minimum of 16 ft. (4.9 m) from other hard objects.
- Before use, if connected to other Splash Trax components, ensure all sections are securely connected, protective safetycovers are in place, and anchor lines are securely fastened.
- Not recommended for children under the age of six. Use the product only under mature, knowledgeable adult supervision. Never leave children unattended and secure access or remove from water when not in use.
- Users must always wear a U.S. Coast Guard approved Type III personal flotation device (PFD) when using the product.
- The surface of the product will get wet and slippery. Always exercise caution and common sense during use. Reckless behavior may result in serious injury or death.
- Do not dive headfirst onto or from the product. Always enter the water feet first. To avoid the possibility of a collision, make sure the area around the product is clear of obstructions and other swimmers before entering the water, especially before going down slide. Do not jump or dive over barrier tubes on top of Power Tower.

- Never use the product while tired or fatigued. Use extreme caution while swimming between the shore and the product. Do not attempt to swim this distance if you are tired or fatigued.
- Always inspect the areas around and under the product before each use to ensure the water is deep enough and free of all rocks, logs, sand bars, and underwater obstructions and that the product is a safe distance from above-water hard objects. Know the position of anchor lines and avoid contact.
- Ask about local water conditions before using the product in unfamiliar water. Do not use where strong water currents are present.
- Inspect your product for any worn, defective, or missing parts. Do not use if there are any signs of damage, wear, or deterioration. Replace or repair before use.
- Do not attempt or allow flips, somersaults, or other acrobatic maneuvers. Landing on the head or neck can cause serious injury, paralysis, or death.
- Never use the product after sunset, before dawn, or any other time in poor lighting conditions.
- Never use the product in rough surface water conditions, during storms, or when there is lightning. If an unexpected storm arises while using the product, seek shelter on shore. Do not stay on the product.
- Never use the product under the influence of alcohol or drugs.
- Never tow from a boat or other motorized vehicle.
- When not in use, secure the product against unauthorized or unsupervised use.

Liability

While every attempt is made to embody the highest degree of protection in all equipment, we cannot guarantee freedom from injury. The user assumes all risk of injury due to use. All merchandise is sold on this condition, which no representative of the company can waive or change.

Contents:

- Qty 1 – Power Tower Base (#20951)
- Qty 1 – Power Tower Deck / Slide (#20952)
- Qty 1 – Quick Step Solo (#20954)
- Qty 1 – Gap Cap, Quick Step Solo (#20955)
- Qty 2 – Kwik Lok straps
- Qty 1 – Repair Kit, Owner's Manual

NOTE: Power Tower Climbing Wall is sold separately.

POWER TOWER (#02833-L)



Product	Minimum Water Depth	Maximum Capacity	Maximum Weight	Working Pressure
Power Tower	8.0 ft (2.4 m)	8 Users	1400 lbs (635 kg)	Base 2.0 psi / 0.14 bar Slide 1.7 psi / 0.12 bar



Inflation

Roll out the Power Tower components face up on flat ground. Make sure the area is free of rocks, sticks or other sharp objects that could puncture or damage the product. Locate the grey inflation / deflation valves.



NOTE: We highly recommend using the RAVE High Speed Inflator/Deflator. It will provide rapid inflation and deflation. (Item #01083, sold separately).



VALVE OPERATION



To lock open valve, depress the stem and rotate $\frac{1}{4}$ turn clockwise. To close valve, depress the stem and rotate $\frac{1}{4}$ turn counter-clockwise. Replace cap on valve after inflation to ensure air tight seal.

If you are using the RAVE Sports High Speed Inflator (Item #01083, sold separately), simply lock the adaptor onto the end of the inflation hose, turn on inflator, then insert adaptor into valve body. Turn $\frac{1}{4}$ turn to lock in place.



NOTE: RAVE Sports' inflation adaptor and pressure gauge will automatically open the valve when inserted and will close the valve when removed. You do not need to manually open/close the valve when using this special adaptor.

To Deflate:

Rapid deflation can be achieved using the “deflate” side of the motor housing. Attach the hose to the deflate side of the motor housing and lock the valve adaptor into the valve.



WARNING



**Do not use an air compressor to inflate this product.
Use of an air compressor can cause rapid over-inflation, causing the tube to burst with potentially damaging force to eyes, ears, skin and limbs.
Use of an air compressor can also damage the tube.**

Step 1 – Inflate Power Tower Base until it supports itself upright but is not completely firm (approximately 1.0 - 1.5 psi).



Check inflation using the RAVE Sports digital pressure gauge (#02496, sold separately). To operate gauge:



1. Depress “ON” button.
2. Wait for Self-Calibration to complete and “0.00” digital display to appear.
3. Insert gauge into valve & turn $\frac{1}{4}$ turn **Clockwise**  to lock it in. Wait for gauge reading to stabilize.
4. To remove gauge: Rotate $\frac{1}{4}$ turn **Counter Clockwise**. 
5. Add/Remove air to achieve minimal operating pressure as stated for each module.
6. Close Valve Cap.

Step 2 – Lay out Power Tower Deck / Slide with yellow rail tubes face up. Inflate both tubes on top deck firmly.

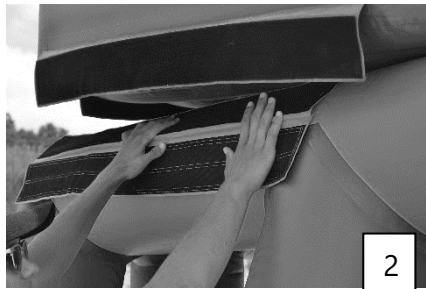
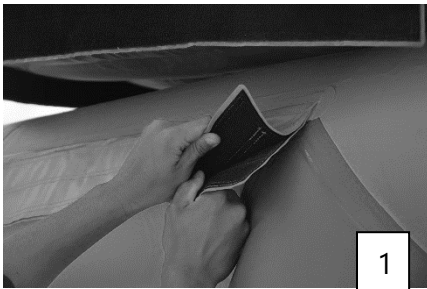


Step 3 – Inflate Deck / Slide unit firmly (to 1.7 psi).

Step 4 – Lift Deck / Slide unit onto top of Power Tower Base. Slide should be oriented on the side of the Power Tower with the inflation valves, opposite the vertical wall side of the Power Tower.



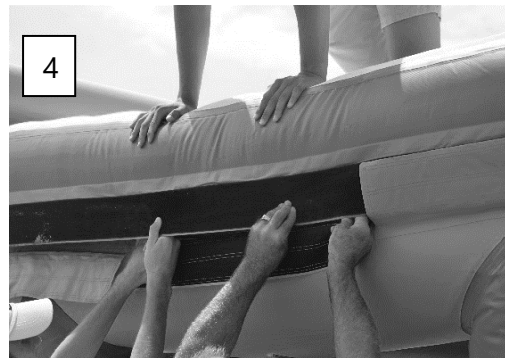
Step 5 – Attach Velcro® Brand flap under slide. Ensure edges of flaps are aligned (1) and single flap hanging down from deck is fully engaged between the double flap extending up from the base (2). Wipe both sides with hands to ensure solid contact between hook and loop surfaces (3).



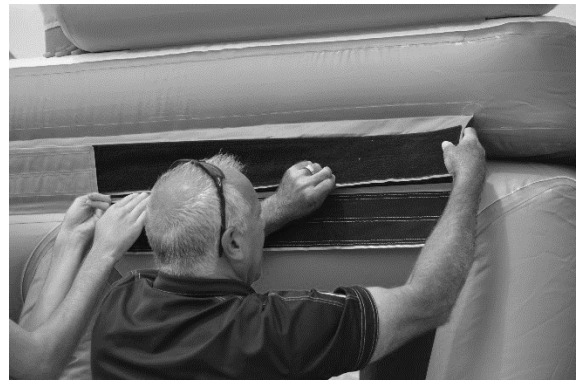
Step 6 – Go to opposite side of Power Tower and connect set of 3 flaps. Connect long flap to right first (1), then the center flap (2), then the left side flap (3).

NOTE: It is helpful to have another person on top of the deck to push down on the deck platform to make it possible for these connections to fit together tightly (4).





Step 7 – Connect flaps on other two sides of deck to the Power Tower base unit. All four sides of the top deck should now be connected to the base unit.



Step 8 – Inflate slide side rails firmly (1). Finish inflating Power Tower base until completely firm (2.0 psi) (2).



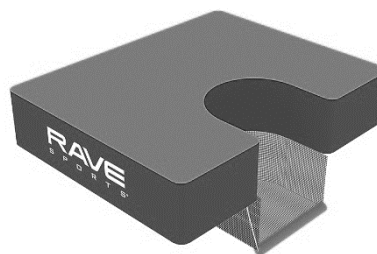
Step 9 – Carry – DO NOT DRAG – Power Tower to shallow water.

NOTE: We recommend using a minimum of 5 people to carry the Power Tower to water (two on each side and one at end of slide).

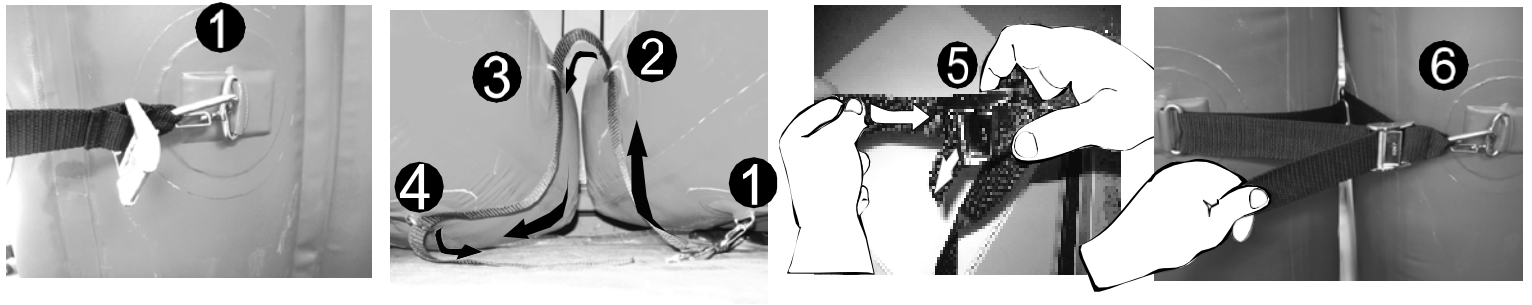
IMPORTANT: After placing the Power Tower in the water, allow it to acclimate to the cooler water temperature (approximately 30 minutes). Recheck the air pressure in the main chamber and add air if necessary to ensure the product is properly inflated.

It is normal for air pressure within air-filled tubes to fluctuate depending on air and water temperatures. Cold air will cause minor deflation while warm air will cause minor inflation. It may be necessary to increase or decrease the air pressure in your product accordingly. To avoid damage on extremely hot days it may be necessary to check and release the air pressure from your product throughout the day. Monitor the air pressure in the product periodically. Add or let out air as necessary to maintain proper operating pressure.

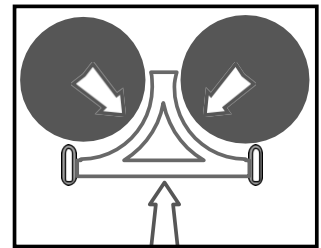
IMPORTANT: A boarding platform must be connected to the Power Tower base to allow user access to the activity tower. The Quick Step Solo Boarding Platform (Item #02954) is included with the Power Tower for this purpose.



Step 10 – Inflate Quick Step Solo and attach it to Power Tower at connection point on the side of the slide. Attach with Kwik Lok straps per instructions below. Two Kwik Lok straps are included to connect the two pieces together.



1. Attach the snap hook of one Kwik Lok strap to the ring on the bottom of the Power Tower base.
2. Feed the free end of the strap up through the oval ring on the side of the Power Tower base.
3. Feed strap down through the side ring of the Quick Step Solo platform.
4. Feed strap through the bottom ring of the platform and back through the metal buckle.
5. Leave loose for now. Repeat for the second strap.
6. Tighten both straps until the Power Tower and Platform are tight against each other.



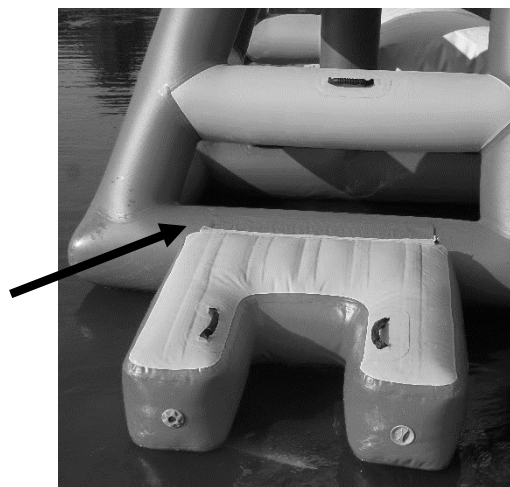
ALL 3 SIDES OF
STRAP MUST BE
TAUT!

IMPORTANT: Ensure there is no slack anywhere in the strapping. Hand adjust if necessary to ensure it is tight and secure between all connection rings.

Step 11

Attach protective Gap Cap cover to the VELCRO® Brand hook and loop flaps on both modules.

CAUTION: Ensure protective cover is in place between the Quick Step Solo and the Power Tower before operation.



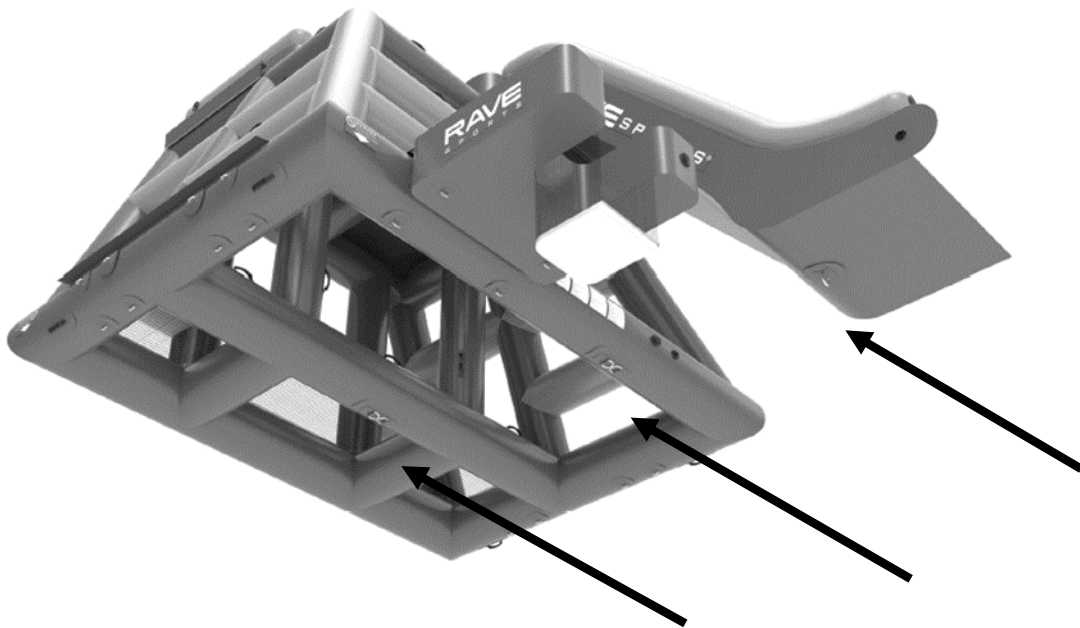


This image demonstrates the protective Gap Cap cover properly attached.

ANCHORING

IMPORTANT: Proper anchoring is essential for user safety and performance of the Power Tower. Due to the wide variety of conditions, please consult with your local experts in mooring and anchoring if necessary. Anchors and mooring lines are sold separately.

NOTE: There are two anchor rings located on the bottom side of the Power Tower as well as one anchor ring on the bottom of the Speed Slide.



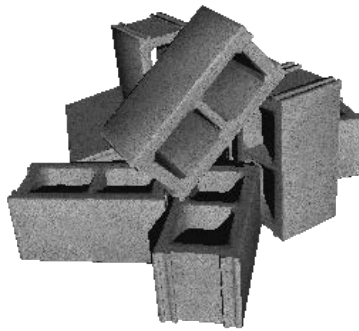
The type of anchoring system and amount of weight needed to ensure your system will be anchored safely **depends** upon the anticipated wind, height of anticipated waves and the type of lake, river or ocean bottom. For long-term installations with a sand bottom, land screws are a very solid option. These land screws can be put into the bottom just over 3 feet (roughly 1 meter). With a solid bottom, land screws typically remain in the same location whereas other types of anchoring systems can sometimes move under significant pressure. Placement of land screws requires installation assistance with a trained and certified scuba diver.

Other types of weighting systems that are readily available could include septic tank covers, cinder blocks, landscaping blocks, cement tire blocks and other locally available options.

Typical installations begin with attaching a chain to the anchor itself and then connecting the Anchor Connector kit to that anchor. See the installation manual for the Anchor Connector Kit for how this is attached. While it is difficult to say exactly what is necessary for weight for every installation, we suggest anchoring with roughly 100-120 pounds of weight (45-55 kilos) at each anchor point.



Septic Tank Cover



Cinder Blocks



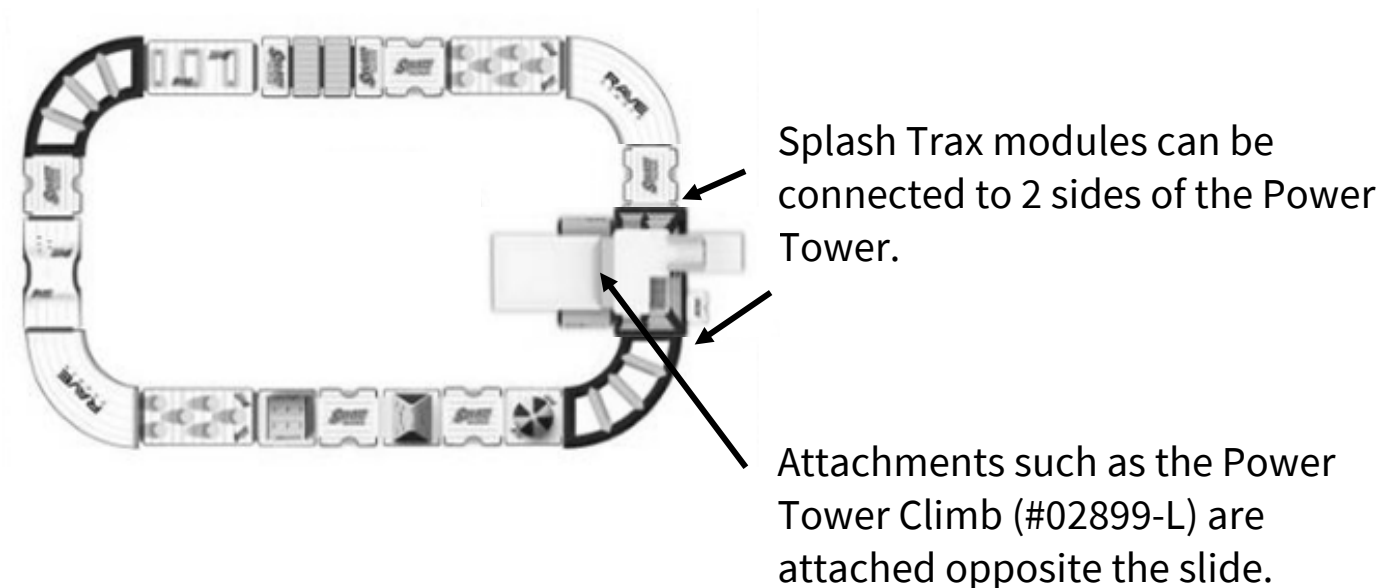
Land Screw



Anchor Connector
Kit Item #: 01024

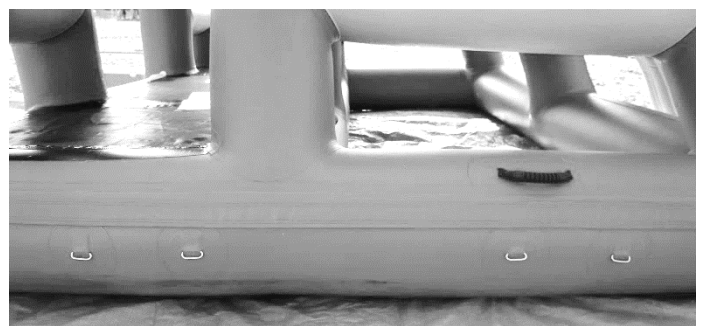
Connecting to Power Tower Launch or Other Attachments, Splash Trax Modules & Other RAVE Sports Products

The Power Tower is a multi-purpose activity tower that is designed for freestanding use, as a module within a RAVE Sports Splash Trax obstacle course system, or as connected to various attachments, boarding platforms and water mats.



Step 1

Bring the Power Tower and a Power Tower attachment and / or a Splash Trax module together so the oval rings on the side and the VELCRO flaps are facing each other. Always use the rings that are farthest apart and correspond to the mating rings on the adjacent activity module.



Step 2

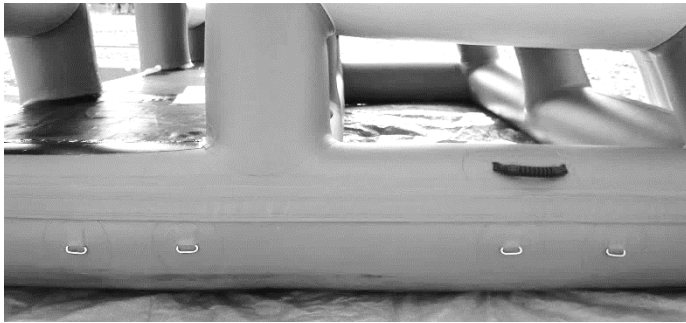
Two Kwik Lok straps are used to connect the two pieces together. Follow the Kwik Lok connection procedure found on page 12 to connect the Power Tower to Power Tower attachments and / or Splash Trax modules.

CAUTION: Ensure protective covers are in place between all modules before using the Power Tower system.

Connecting to the Aqua Mat Deluxe™

A Aqua Mat Deluxe (15 and 20-foot sizes and sold separately) can be connected to the Power Tower and other Splash Trax modules using the narrow (28" spacing) connection points. This unit provides a sliding, slippery surface for added creativity and enjoyment. Contact us at 800.659.0790 for more information. Additional specific instructions for connecting an Aqua Mat Deluxe to other modules can be found in the Aqua Mat Deluxe Owner's Manual.

Connect via the inside pair of side rings on the side of the Power Tower.



Order Water Whoosh Adaptor kit (P/N 02475). Kit includes Safety Apron and 2 Kwik Lok strap as shown below.



OPERATION

- Use only under proper adult supervision, preferably by certified lifeguards.
- Position lifeguards strategically around the product so sight lines to the water are not obstructed by the product and users can be properly monitored on the product as well as in the water.
- Always inspect the unit before use to ensure all sections are securely fastened together, all safety covers are in place and the unit is securely anchored and a proper minimum distance from any hazards.
- Do not exceed the number of users or weight capacity other than what is specified.
- During use, the system will likely become wet and slippery. Exercise caution and common sense during use. Reckless behavior may result in serious injury or death.
- Do not dive onto or off of the product. Always enter the water feet first. Do not jump if the water is not clear of other swimmers or obstructions.
- Never attempt to swim underneath the product.
- Secure the product or remove and deflate it when not in use or not properly supervised.

IMPORTANT

It is normal for the air pressure within air filled tubes to fluctuate depending on air and water temperatures. It may be necessary to increase or decrease the air pressure in your product accordingly. To avoid damage on extremely hot days it may be necessary to check and release the air pressure from your product throughout the day. Monitor the air pressure in the product periodically. Add or let out air as necessary to maintain proper operating pressure.



WARNING: DROWNING HAZARD

NEVER ATTEMPT TO SWIM UNDER THE POWER TOWER. THE POWER TOWER PROVIDES NO PLACE TO COME UP FOR AIR IF YOU ARE BENEATH IT. NEVER ATTEMPT TO SWIM UNDER TO CROSS TO THE OTHER SIDE.

Cleaning and Storage

- When the inflatable product is not being used, store it in a covered, shaded area. This will help protect it against ultraviolet (UV) rays and extend the life of the product.
- Clean the inflatable completely with a mild soap and fresh water. NEVER USE PETROLEUM BASED PRODUCTS OR SOLVENTS FOR CLEANING. NEVER USE A POWER WASHER SINCE THE HIGH-PRESSURE WATER JET WILL DAMAGE THE TUBE BEYOND REPAIR. We recommend using Speed Clean Heavy Duty Inflatable Cleaner (sold separately at www.ravesports.com, Item #01078).
- Product should be completely dry and remain dry while stored.
- Roll the product loosely and place in a container, preferably one that rodents can't chew through.
- Secure against unauthorized or unsupervised use.
- Store in a cool, dry location. Do not store product directly on concrete surface. Place mothballs around stored inflatable to keep mice and insects away.
- For additional longevity for your RAVE Sports vinyl products, apply Poly Guard UV Protectant (sold separately at www.ravesports.com, Item # 01079).
- For additional slipperiness on the slide surface, apply Hyper Slide Friction Reducer (sold separately at www.ravesports.com, Item # 10185).



..... Important

Rodents, such as muskrats, may be attracted to the PVC vinyl of your product. When your product is on the water, maintaining full air pressure during periods of non-use will discourage them from chewing the vinyl.

Another way to ease the problem of nuisance rodents is to remove the temptation by taking the product out of the water at night. You can also make the whole area unattractive to rodents by changing the environment, making the area less hospitable to them. Removing any food source from the shoreline can also be a good deterrent. Check with your local DNR for additional guidance or possible restrictions.

Repairs

For large holes, tears or seam failures, contact RAVE Sports at 1-800-659-0790. For minor repairs, additional repair patches can be purchased online at www.ravesports.com.

For minor holes and tears:

- Inflate the product and locate the leak by spraying the tube with mild soapy water.
- Determine the hole size and cut a patch 1-2 inches wider than the diameter of the hole. Make sure all corners of the patch are rounded.
- Deflate the product and clean the patch and area around the hole with rubbing alcohol. Let dry completely.
- Apply glue to the patch and the area around the hole. Let the glue dry until it is tacky to the touch. (About 30 seconds).
- Lay the product on a flat, hard surface and apply the patch. Working from the center to the outer edge, rub out any air bubbles between the patch and the product.
- Let patch dry for 24 hours before attempting to inflate the product.

For emergency/quick repairs:

- Have a supply of Tear Aid® patches on hand (Item #20100). These self-adhesive patches can be applied, and the product used immediately. Great for a temporary fix until a more permanent patch can be applied.
- Order from RAVE Sports directly on our website www.ravesports.com.



RAVESPORTS.COM

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November 2023