

H2X[®]

FITNESS SWIM SPAS

BACKYARD PLANNING GUIDE




MASTERSPAS[®]

Plan. Prepare. **Relax.** It's MasterSpas.



READY, SET, SWIM

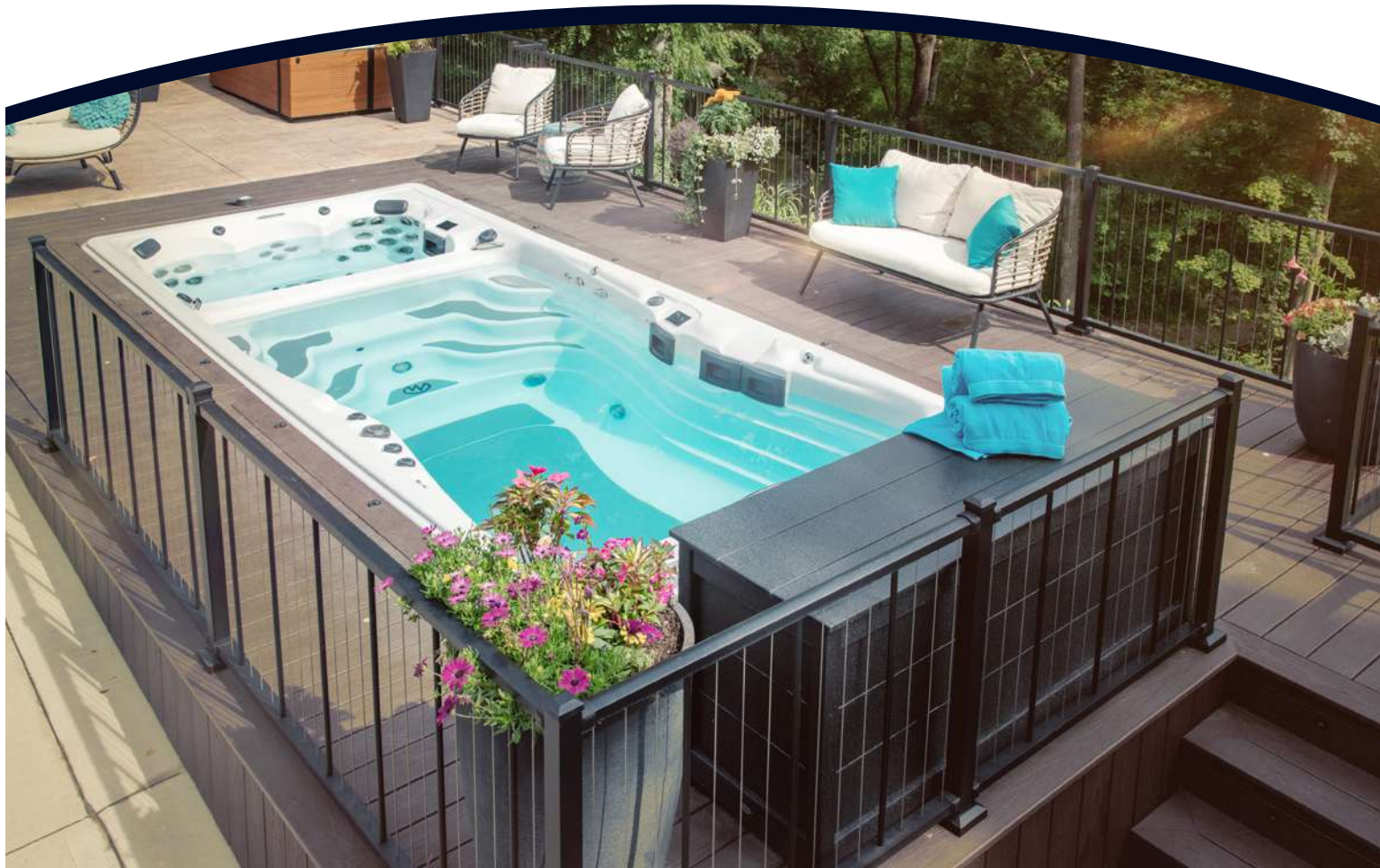
Welcome to your step-by-step planning guide. Whether you are considering purchasing an H2X Swim Spa by MasterSpas, or can't wait for yours to be delivered, this guide will provide you with important information about choosing a location and preparing for installation.





MAKE A SPLASH ALL YEAR LONG

An H2X Fitness Swim Spa is a year-round pool alternative. Once your site is ready, your spa can be installed in less than a day. Outdoor installation options include above ground, recessed, or partially recessed.





ROOM WITH A VIEW

Your installation should offer the best views of the surrounding landscape. When choosing where to install your swim spa, consider your current backyard design and landscape goals.





MAKE YOUR ESCAPE

Spa planning considerations should also include access to the equipment bay, proximity to a water source, adequate electrical service, as well as, the distance from your home, mature trees on the property, and desired privacy. Also, a deck built around the perimeter of a swim spa can offer the illusion of an in-ground pool without the expense.





LOCATION, LOCATION, RELAXATION

Inside or outside? Above ground or recessed? The choice is yours.

MasterSpas swim spas are designed for year-round enjoyment, indoor or outdoor, and can be installed above ground, partially recessed, or fully recessed. When choosing the location for your spa, consider how you will use it and what location will make it the most accessible and enjoyable for you and your family.

From zero to swim in no time.

Every MasterSpas swim spa is completely self-contained, making it quick and easy to install. All that's required is a solid, level surface that can handle the weight of the portable spa with water (around 22,000 lbs.*), a GFCI electrical hookup completed by a licensed electrician, and a garden hose to fill it. In less than a day, you will be enjoying the warm, swirling water of your own MasterSpas swim spa.

Location Planning Considerations

- How the spa will complement landscaping and vice versa
- The view from the spa and the view of the spa from inside the home
- Exposure to sunlight and the shade from trees
- Privacy
- Ease of access between the house and the spa
- Proximity to dressing rooms and bathrooms
- Storage for accessories and chemicals
- Local building codes (if applicable) and/or association requirements
- Access for routine maintenance and future repairs
- Availability to a power source

*Weights of filled swim spas vary. For specific weights, see the chart located in the back of this booklet.

Interior Installation

Indoor installations are best when included as part of the construction process. This allows for the spa to be moved into place before construction is completed, making access to the space much simpler. Ventilation and humidity control are also important to consider with the design contractor.

For an indoor installation in an existing space, it is best to consult your dealer to determine the opening dimensions required to move the swim spa into the room, as these requirements will vary depending on the model selected. If the swim spa will be enclosed, a minimum of three feet of access must be provided around the entire perimeter to allow for servicing and maintenance.



Exterior Installation

All MasterSpas swim spas are designed to provide year-round enjoyment in virtually any climate. Our environmentally friendly foam insulation helps retain heat and improve energy efficiency, making MasterSpas swim spas among the most energy-efficient available.



Above Ground

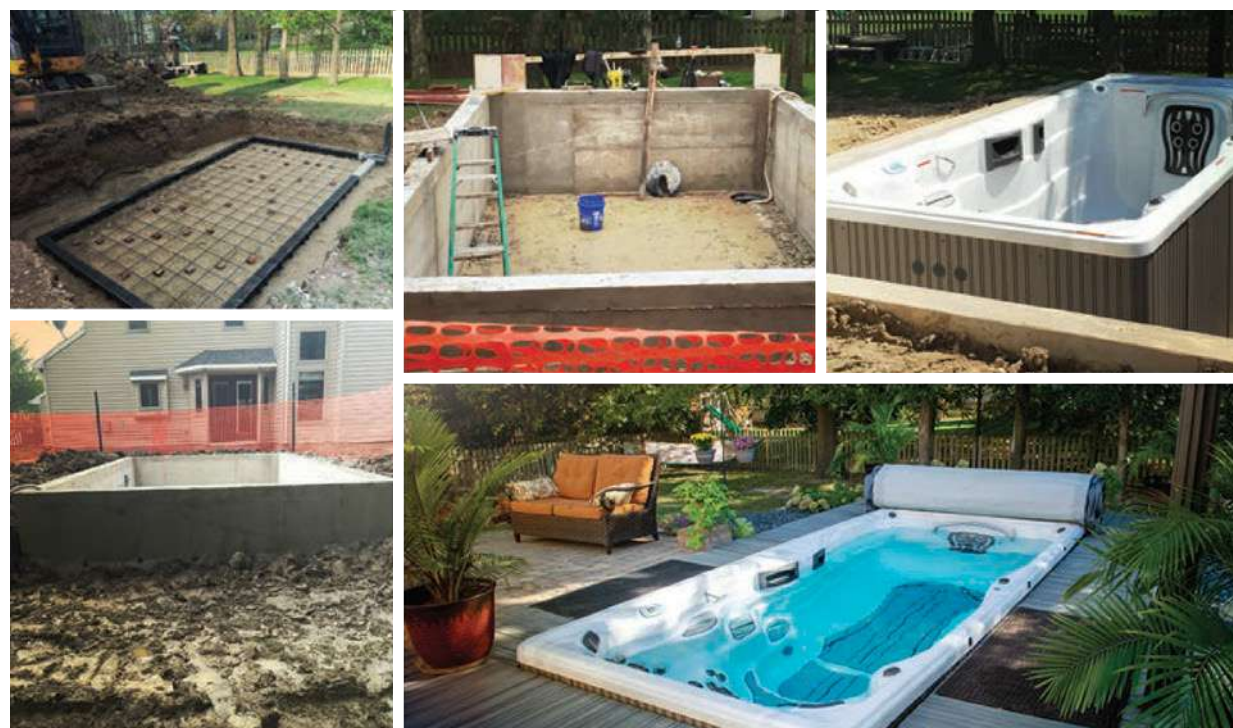
The majority of our customers choose to install their swim spa fully above ground on a patio or deck. If wanting the look of a recessed installation without the expense, you may want to consider building a deck around the perimeter of the swim spa to give it a built-in look and feel.



Partially or Fully Recessed

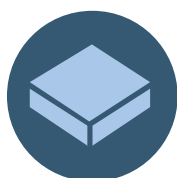
A swim spa may be installed in a pit, either partially or fully recessed. For these types of installations, it is important to provide a minimum of three feet of access on all sides of the swim spa to allow for servicing and maintenance. Additionally, proper drainage is essential to prevent water from accumulating around the swim spa.

Because recessed installations have more extensive requirements, we recommend discussing your plans with your dealer before construction begins to help ensure a smooth installation process and avoid unexpected issues.



INSTALLATION REQUIREMENTS

While MasterSpas swim spas are relatively easy to install and have a short setup time, there are several requirements, ranging from foundation preparation and equipment access to electrical specifications, that must be met in order to ensure your new hot tub operates properly.



Foundation

When filled with water and people, a swim spa can weigh as much as several tons and it is imperative that the foundation beneath the swim spa be able to support this weight. The swim spa must be on a uniformly firm, continuous, and level surface. The recommended foundation is a concrete pad that is at least four inches thick and reinforced with steel rebar throughout the pad.

Properly supported decks are acceptable, however, we advise against patio blocks, bricks, crushed stone, sand or stone dust as these foundations can shift seasonally. It is recommended that a proper structural engineering evaluation be done before any other type of installation.

If located outside, the area around your swim spa should drain well and slope away from the swim spa. Be sure to position your swim spa so that the equipment remains above grade and is not subject to flooding.

If you've selected an inside location, or a partially or fully recessed installation, it is imperative that a floor drainage system be installed in the concrete pad. This system should be designed to move any water that may collect away from your swim spa.



Equipment Bay Access

Periodic maintenance checks require entry into the equipment bay and therefore easy access to this area is important. In addition, all sides of the spa must be accessible for future service. In the event that service is required, your dealer will need at least three feet of clearance around the perimeter of the swim spa. Whenever possible, it is wise to leave access to all sides of the spa, as your warranty does not cover the cost of gaining access for service. This can be done by having removable panels as part of your deck or patio structure.



No Special Plumbing Required

One of the many great things about a MasterSpas swim spa is that no special plumbing is required because it has a built-in heater and filtration system. Simply fill the spa using a garden hose with filter* and drain it with an inexpensive submersible pump.



*This disposable sediment filter attaches to your garden hose and captures dirt particles in the water BEFORE they enter into your hot tub.



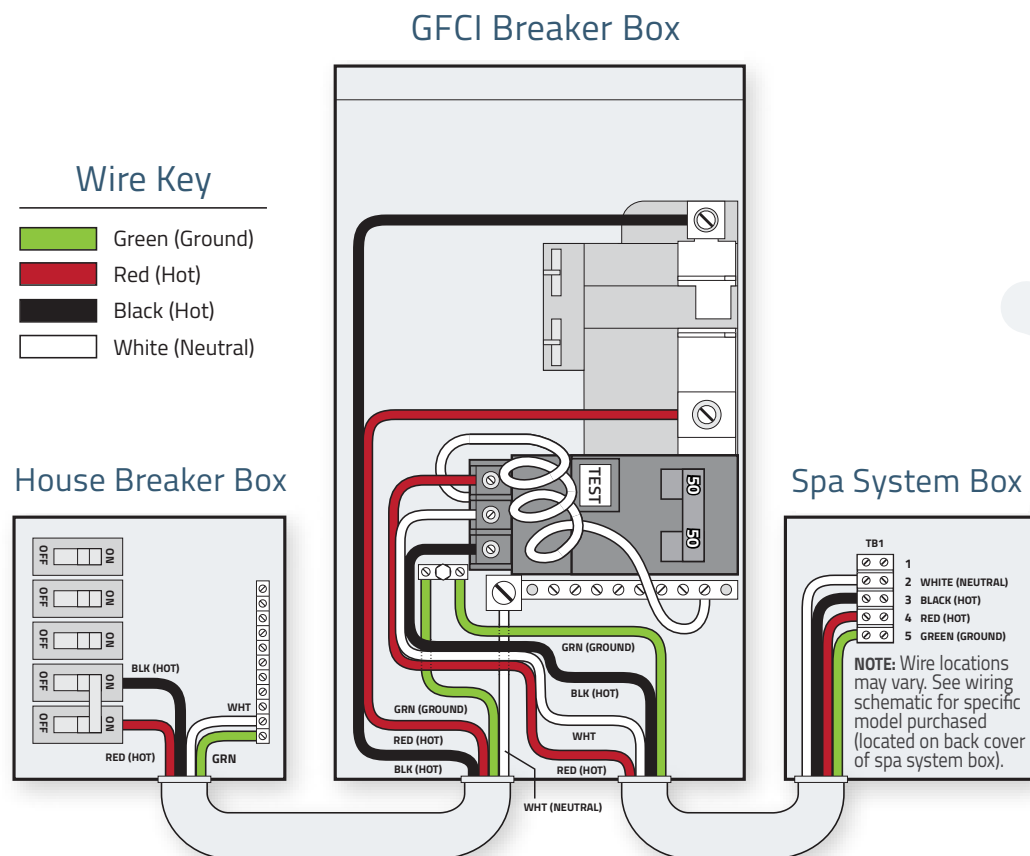
Electrical

Safety is absolutely the top priority at MasterSpas. That's why every MasterSpas swim spa is built and certified to stringent UL safety standards. UL is one of the world's most recognized independent safety-testing organizations. However, as with any other product that combines water and electricity, it is important to use common sense and follow all electrical precautions as outlined in your owner's manual.

All spas must be connected by a certified, licensed electrician. Depending on the model selected and the options installed, different levels of service may be needed. Damage caused by improper electrical hookup may result in voiding of the warranty.

Your licensed electrician should follow these basic guidelines:

- Electrician should refer to the owner's manual before beginning any work. It outlines the power requirements, specifications, and hookup information for the specific model of swim spa purchased.
- All spas require a high-quality Ground Fault Circuit Interrupter (GFCI) circuit breaker. The GFCI is required by the National Electrical Code (NEC) for your protection.
- It is recommended that the GFCI breaker be no more than 25 feet from the swim spa to reduce intermittent tripping of the breaker. For ease of servicing, a standard breaker may be installed in the main electrical panel, with the GFCI breaker located in an outdoor disconnect panel.
- All wiring must use copper conductors. The use of aluminum wiring will void the warranty.



PATH TO A PERFECT SWIM

Ensure a Smooth Delivery

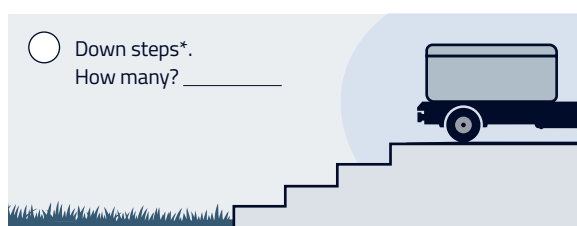
The actual dimensions of your new spa will determine the amount of space that is needed for moving it from the curbside to its final installation area. Use the model specification chart located in the back of this booklet to determine the correct size.

Walk the path that your new spa will travel during delivery and take measurements along the way. Be sure to measure side yard dimensions, gates or doors, and vertical obstructions, such as roof overhangs and overhead cables. Any other space-limiting obstacles, such as trees or shrubs, must be evaluated as well.

Access to your chosen installation site must be solid, level ground that has been cleared of any obstructions prior to arrival. Keep in mind that doors, windows, walls, handrails, or other obstacles may need to be temporarily removed to provide sufficient access.

When your MasterSpas swim spa arrives at your home, a forklift, crane or boom truck will most likely be needed to move the spa into position. If it is being installed indoors, it will need to be moved into place by sliding or rolling it.

Use the illustrations below to help you determine the equipment and access needed based on the location you've selected for your spa. Be sure to consult your MasterSpas dealer to determine the most efficient and cost-effective delivery method.



*Extra cost may apply.

H2X[®] SPECIFICATIONS

FITNESS SWIM SPAS

MODEL	DIMENSIONS	ELECTRICAL REQUIREMENTS	WATER CAPACITY	DRY WEIGHT	FULL WEIGHT
Challenger 21D	257" x 94" x 60" (653 cm x 239 cm x 153 cm)	240 V / 100 Amp	1,840 gal (6,966 L)	3,735 lbs (1,695 kg)	34,045 lbs (15,443 kg)
Challenger 19D MAX	231" x 94" x 60" (587 cm x 239 cm x 153 cm)	240 V / 50 Amp	2,360 gal (8,934 L)	3,335 lbs (1,513 kg)	24,325 lbs (11,034 kg)
Challenger 15D Temp+ Control	180" x 94" x 60" (458 cm x 239 cm x 153 cm)	240 V / 50 Amp	1,600 gal (6,057 L)	2,820 lbs (1,280 kg)	17,465 lbs (7,923 kg)
Challenger 15D	180" x 94" x 60" (458 cm x 239 cm x 153 cm)	240 V / 50 Amp	1,600 gal (6,057 L)	2,515 lbs (1,141 kg)	17,165 lbs (7,787 kg)
Trainer 21D	257" x 94" x 60" (653 cm x 239 cm x 153 cm)	240 V / 100 Amp	1,840 gal (6,966 L)	3,605 lbs (1,636 kg)	33,915 lbs (15,384 kg)
Trainer 21	257" x 94" x 51" (653 cm x 239 cm x 130 cm)	240 V / 100 Amp	1,640 gal (6,209 L)	3,400 lbs (1,543 kg)	30,375 lbs (13,779 kg)
Trainer 19D MAX	231" x 94" x 60" (587 cm x 239 cm x 153 cm)	240 V / 50 Amp	2,360 gal (8,934 L)	3,245 lbs (1,472 kg)	24,235 lbs (10,993 kg)
Trainer 15D Temp+ Control	180" x 94" x 60" (458 cm x 239 cm x 153 cm)	240 V / 50 Amp	1,600 gal (6,057 L)	2,730 lbs (1,239 kg)	17,375 lbs (7,882 kg)
Trainer 15D	180" x 94" x 60" (458 cm x 239 cm x 153 cm)	240 V / 50 Amp	1,600 gal (6,057 L)	2,430 lbs (1,103 kg)	17,075 lbs (7,746 kg)
Trainer 15	180" x 94" x 51" (458 cm x 239 cm x 130 cm)	240 V / 50 Amp	1,390 gal (5,262 L)	2,310 lbs (1,048 kg)	15,205 lbs (6,897 kg)
Trainer 12	144" x 94" x 51" (366 cm x 239 cm x 130 cm)	240 V / 50 Amp	1,000 gal (3,786 L)	1,940 lbs (880 kg)	11,215 lbs (5,088 kg)
Therapool 15	180" x 90" x 51" (458 cm x 229 cm x 130 cm)	240 V / 50 Amp	1,630 gal (6,171 L)	2,070 lbs (939 kg)	16,415 lbs (7,446 kg)
Therapool 13	156" x 90" x 48" (397 cm x 229 cm x 122 cm)	240 V / 50 Amp	1,280 gal (4,846 L)	1,785 lbs (810 kg)	13,205 lbs (5,990 kg)
Therapool D	132" x 94" x 60" (336 cm x 239 cm x 153 cm)	240 V / 50 Amp	1,070 gal (4,051 L)	1,720 lbs (781 kg)	11,945 lbs (5,419 kg)
Therapool SE	132" x 94" x 51" (336 cm x 239 cm x 130 cm)	240 V / 50 Amp	930 gal (3,521 L)	1,410 lbs (640 kg)	10,475 lbs (4,752 kg)



The Axis[®] Cover System by MasterSpas

H2X Fitness Swim Spas by MasterSpas just got easier to use! The Axis[®] Cover System makes it simple for almost anyone to handle their swim spa cover.

The rolling technology of the Axis Cover is easy to use, looks great, and is made with premium materials to last a long time.

[Contact your dealer](#) for more information.