Guide for Building Your Outdoor Oasis

www.lg-outdoor.com
Franklin Electric is a global leader in the production and marketing of systems and components that move water and automotive fuels. A world-renowned technical leader in its specialties, Franklin Electric serves residential, commercial, agricultural, industrial, municipal, and fueling customers.

Staffed by 3,500 dedicated employees worldwide, Franklin Electric has more than 20 manufacturing and distribution facilities located around the world including United States, Germany, Czech Republic, Italy, Mexico, Canada, Australia, South Africa, China, South America, and Japan.

Little Giant products are delivered worldwide without sacrificing personal service. Our unique customer assistance program matches highly trained customer service professionals with specific geographic regions so they can maintain a thorough knowledge of a territory and its unique needs based on weather, trends, etc. With on-site engineers we have the advantage in the market for developing new products, resolving issues, and general innovation.

Quality, availability, service, and innovation bring value to Little Giant products. Coupled with extensive market research on customer preferences of product features, informative marketing materials, and unique programs, these are the business components that keep customer confidence levels high.
### Building Your Outdoor Oasis

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Creating a water garden or pond is the perfect solution to enhance the aesthetic appeal of your home or business. Whether you start with a small, soothing fountain, or envision an outdoor living area complete with cascading waterfalls, aquatic plants, and exotic fish, we provide you with the products and ideas to open up a new world of possibilities.
Helpful Hints

As you plan your outdoor oasis, you should consider any added features or options you would like to include before you purchase the basic components.

Finding The Right Location
Selecting the right location is the key to creating a water garden that is healthy, easy to maintain, and provides optimal enjoyment for years to come. When looking for the perfect location, please consider the following requirements:

- Water gardens require five to six hours of sunlight each day to ensure vibrant plant and fish life.
- Plan your location away from trees and bushes to ensure falling leaves don't clog pumps and filters or growing roots do not puncture the liner.
- Review the location to make sure the water garden can be viewed from both inside your home and your favorite outdoor sitting area.
- Avoid low areas that can accumulate run-off where pesticides, fertilizers, and other debris can be hazardous to your water garden’s environment.
- Ensure easy access to electrical and fresh water sources.

What to Consider When Including Water Features

- A separate pump is recommended if you are planning to install a fountain, waterfall, stream or water garden ornament, unless you are using a premium direct drive pump that can accommodate multiple applications.
- One large pump may support both proper filtration and a water feature if there is ample flow and pressure.
- To avoid leaks when including a stream or waterfall, make sure the feature liner overlaps the water garden liner horizontally by at least 1’ on each side.

Determining Shape and Design

Water gardens have always been sanctuaries of refuge, tranquility, and beauty. For this reason, it is important you create a pond that reflects your personality as well as complements its surroundings.

- For a garden that is free flowing and natural, flexible liners can be cut-to-fit so they conform to the design of the pond when filled with water.
- If your design includes a waterfall or stream, you will need to lay out your garden so these features sit higher than the water level, allowing gravity to take its course.

Proper Circulation for a Healthy Water Garden

- Because water should be circulated at least once every hour, you will need to choose a pump that disperses, at minimum, the same capacity as your water garden holds. If the capacity is 1000 gallons, you will need a pump that circulates at least 1000 gallons per hour.
- In selecting pump size, it is better to oversize than undersize. With a higher performance pump, you can reduce the output by restricting the flow with a clamp or control valve. Desired flow, pumping height, and energy efficiency are all factors to consider when choosing the correct pump.
- All Little Giant water garden pumps are designed for continuous use and submersible operation to provide you with low maintenance and peace of mind.
RECOMMENDED MAXIMUM FLOW RATES

<table>
<thead>
<tr>
<th>Pipe Diameter</th>
<th>Gallons Per Hour (GPH)</th>
<th>Gallons Per Minute (GPM)</th>
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<tbody>
<tr>
<td>3/4&quot;</td>
<td>750</td>
<td>12.5</td>
</tr>
<tr>
<td>1&quot;</td>
<td>1000</td>
<td>17</td>
</tr>
<tr>
<td>1-1/4&quot;</td>
<td>2100</td>
<td>35</td>
</tr>
<tr>
<td>1-1/2&quot;</td>
<td>3000</td>
<td>50</td>
</tr>
</tbody>
</table>

Always size your pump on the flow rate of the pump rather than the discharge size

HELPFUL FORMULAS

To convert pressure to head height
Pressure (PSI) x 2.31 = Head Height (ft)

To convert head height to pressure
Head Height (ft) x 0.434 = Pressure (PSI)

Determine the gallons in a circular feature
0.79 x Diameter (ft) x Diameter (ft) x Depth (ft) x 7.48 = Gallons

Determine approximate operating cost running 24 hours a day
Watts x 0.072 = Estimated Monthly Operation Cost (at $0.10/KwH)
Calculating Capacity

In selecting the correct products to build and properly maintain your pond, you will need to calculate how many gallons of water it will hold.

• The capacity of your water garden can be determined using the following formula:

\[
\text{Length (ft) x Width (ft) x Depth (ft) x 7.5 = Gallons}
\]

Example: 6’ x 5’ x 3’ x 7.5 = 675 Gallons

• Once you determine the capacity, you can easily select the right size pump, filter, liner, and tubing. Our easy-to-understand color coded system shows you which products work best for your water garden based on the number of gallons it holds.

For example: A pond holding 675 gallons of water would fall into the “up to 800 gallons” category. The right products for this application are clearly sorted and packaged so you can make the right selection the first time.

Sizing Your Pond Liner

The Little Giant Pond Liner is made of a strong, 20-mil, puncture-resistant material that is safe for aquatic life and allows you to create a water garden that fits perfectly into your landscape. Backed by a 20-year warranty, these lightweight liners are easy to maneuver and embossed to promote the growth of “good” bacteria to keep your water garden healthy.

• When installing a pond liner, there should be at least one foot of overhang, hidden from view, using a stone coping edge. This edge holds the liner securely in place and provides a natural appearance.

• The required size of liner for your water garden can be determined by using the following formula:

\[
\text{Length + (Depth x 2) + 2’ = Length of Liner}
\]
\[
\text{Width + (Depth x 2) + 2’ = Width of Liner}
\]

SLB 10’ x 15’
10’ x 15’ Liner
Ponds Up To 800 Gallons

SLB 15’ x 15’
15’ x 15’ Liner
Ponds Up To 1200 Gallons

SLB 15’ x 20’
15’ x 20’ Liner
Ponds Up To 2400 Gallons
Choosing the Correct Pump

The heart of any water garden is the pump. Invisible to the eye, circulating water about once every hour, this is key to your garden’s health and robustness.

Choosing the right pump for your application depends on your performance needs. The Little Giant brand offers two types, each constructed of durable materials for outdoor environments.

**Premium Direct Drive Pumps**
- Improved torque and pressure make them ideal for filtration and waterfall components, or operating two water features at the same time
- Smaller models are perfect for use in statuary fountains

**Magnetic Drive Pumps**
- Designed for continuous operation with minimal energy consumption
- Ideal for pond statuary and fountain applications requiring less flow and/or pressure

**Wet Rotor Pumps**
- Constructed without mechanical seal or oil
- Screw attachment to hold screen in place
- Rope/cable loop for deep installation retrieval
- Modular screen ability

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**Evaluate your pump selection based on energy use, not just the initial cost of the pump.**

**ENERGY MATTERS CHART**

<table>
<thead>
<tr>
<th>Pump A</th>
<th>Pump B</th>
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<tbody>
<tr>
<td>$150</td>
<td>$300</td>
</tr>
<tr>
<td>847</td>
<td>326</td>
</tr>
<tr>
<td>20328</td>
<td>7824</td>
</tr>
<tr>
<td>20.328</td>
<td>7.824</td>
</tr>
<tr>
<td>$2.03</td>
<td>$0.78</td>
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<tr>
<td>$60.98</td>
<td>$23.47</td>
</tr>
<tr>
<td>Savings per month</td>
<td>$37.51</td>
</tr>
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</table>

**Energy costs were calculated by:**
Watts x 0.72 = approximate monthly cost (based on $.10 per KwH)

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Recover the extra initial cost in just 4 months and continue saving!
### Wet Rotor Pumps

<table>
<thead>
<tr>
<th>Model</th>
<th>GPH</th>
<th>Maximum Pumping Height</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>F10-1200</td>
<td>1296</td>
<td>22'</td>
<td>1-1/2&quot; MNPT</td>
</tr>
<tr>
<td>F20-2700</td>
<td>2772</td>
<td>14.9'</td>
<td>1-1/2&quot; MNPT</td>
</tr>
<tr>
<td>F30-4000</td>
<td>4060</td>
<td>18.8'</td>
<td>2&quot; MNPT</td>
</tr>
<tr>
<td>F40-5500</td>
<td>5540</td>
<td>21.3'</td>
<td>2&quot; MNPT</td>
</tr>
<tr>
<td>F50-5000</td>
<td>5020</td>
<td>28.5'</td>
<td>2&quot; MNPT</td>
</tr>
<tr>
<td>F70-7300</td>
<td>7365</td>
<td>28'</td>
<td>2&quot; MNPT</td>
</tr>
</tbody>
</table>

- **Intake and discharge with pipe (SPIG) and MNPT options**
- **Screw attachment to keep screen in place**
- **Mounting holes in all four feet**
- **Rope or cable loop for deep installation**
- **Accepts threaded fittings (not included)**
- **Add on screens**
- **Easy carry handle**
- **Removable pre-screen**

**Accepts rubber coupling (not included)**
Direct Drive Pumps

**PE-1F-PW**
- 170 GPH
- Maximum Pumping Height: 7'
- 1/4” MNPT Discharge
- With Flow Control

**PE-1H-PW**
- 170 GPH
- Maximum Pumping Height: 7'
- 1/4” MNPT Discharge
- With Flow Control

**PE-2F-PW**
- 170 GPH
- Maximum Pumping Height: 7'
- 1/4” MNPT Discharge
- With Flow Control

**PE-2.5F-PW**
- 475 GPH
- Maximum Pumping Height: 13'
- 1/2” MNPT Discharge

**PE-2H-PW**
- 300 GPH
- Maximum Pumping Height: 12'
- 1/4” MNPT Discharge
- With Flow Control

**WGP-65-PW**
- 1900 GPH
- Maximum Pumping Height: 20'
- 1-1/4” Barb Discharge

**WGP-80-PW**
- 3500 GPH
- Maximum Pumping Height: 29'
- 1-1/4” Barb Discharge

**WGP-95-PW**
- 4280 GPH
- Maximum Pumping Height: 30'
- 1-1/4” Barb Discharge

**S225T**
- 200 GPH
- 1/4” MNPT Discharge
- 6’, 20’ or 50’ Cord Lengths Available

**S320T**
- 290 GPH
- 1/4” MNPT Discharge
- 6’, 20’ or 50’ Cord Lengths Available

**S580T**
- 755 GPH
- 1/2” MNPT Discharge
- 6’, 20’ or 50’ Cord Lengths Available

**S900T**
- 810 GPH
- 1/2” MNPT Discharge
- 6’, 20’ or 50’ Cord Lengths Available

**S1200T**
- 868 GPH
- 1/2” MNPT Discharge
- 6’, 20’ or 50’ Cord Lengths Available
## Mag Drive Pumps

<table>
<thead>
<tr>
<th>Model</th>
<th>GPH</th>
<th>Maximum Pumping Height</th>
<th>Barb Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>PES-40-PW</td>
<td>47</td>
<td>2'</td>
<td>3/8&quot;, 1/2&quot;</td>
</tr>
<tr>
<td>PES-80-PW</td>
<td>77</td>
<td>3.5'</td>
<td>3/8&quot;, 1/2&quot;</td>
</tr>
<tr>
<td>PES-130-PW</td>
<td>130</td>
<td>5.5'</td>
<td>3/8&quot;, 1/2&quot;</td>
</tr>
<tr>
<td>PES-290-PW</td>
<td>300</td>
<td>6'</td>
<td>3/8&quot;, 1/2&quot;</td>
</tr>
<tr>
<td>PES-380-PW</td>
<td>380</td>
<td>7'</td>
<td>3/8&quot;, 1/2&quot;</td>
</tr>
<tr>
<td>PES-700-PW</td>
<td>725</td>
<td>8'</td>
<td>3/4&quot;</td>
</tr>
<tr>
<td>PES-800-PW</td>
<td>875</td>
<td>11.75'</td>
<td>3/4&quot;</td>
</tr>
<tr>
<td>PES-100-PW</td>
<td>1150</td>
<td>11.75'</td>
<td>1&quot;</td>
</tr>
</tbody>
</table>

### Pump Accessories

115 Volt, Low Water Cut-Off Switch
- Turns pump off if level drops
- Includes piggyback plug for easy installation and 18' cord

**RS-5**
Low Water Cut-Off Switch
Filtration

For a healthy garden, balanced ecosystem, and clear water, proper filtration is essential. An unfiltered water garden requires more chemicals, maintenance, and upkeep. Choosing the right size filtration system is also important and should be based on your pond’s capacity in gallons. Our color coded categories help you choose the correct filtration system for ponds up to: 400, 800, 1200, and 2400 gallons.

Filtration for Ponds Up to 400 Gallons

Mechanical Filters

• Filters the water before it enters the pump to maximize performance and extend pump life
• Removes debris by capturing the particles in a mesh filter media
• Requires frequent cleaning based on individual conditions

Filtration for Ponds Up to 800, 1200, and 2400 Gallons

Premium Pressurized Filters

• Combines biological and mechanical filtration for maximum water clarity
• Filled with media that promote the breakdown of unwanted aquatic waste by increasing growth of beneficial bacteria
• Circular design uniformly separates and evenly disperses debris across filter pads
• Multiple stages provide for greater filtration
• Convenient grip-n-twist handle enables easy cleaning
• Less expensive than other filters providing same benefits
• Compact size is easier to conceal or bury
Filtration

Ultraviolet Clarifiers

UV clarifiers can reduce harmful bacterial, disease-causing pathogens, and other contaminants that compromise the health and beauty of your pond. PondWorks UV clarifiers are designed with a safety feature to prevent UV-C radiation exposure, and can be hidden to provide efficient, chemical-free filtration for any water garden or Koi pond.

• Available in 9-, 18-, and 36-watt options
• UV light filtration promotes clean, clear water for a healthy aquatic environment
• Designed for easy installation and non-submersible use
• Safe for aquatic plants and fish
• Rotating design for versatile installations
• Easy maintenance and cleaning access without tools
• Mounting brackets for added stability

UVC9
9-Watt UV Clarifier
For Ponds Up To
1000 Gallons

UVC18
18-Watt UV Clarifier
For Ponds Up To
2000 Gallons

UVC36
36-Watt UV Clarifier
For Ponds Up To
4000 Gallons
Disappearing Water Features

Disappearing Fountain Kits

Disappearing fountains are modern, inexpensive, and easy to assemble. These lightweight and durable fountains will help to improve your home, garden or patio while offering a relaxing, calming atmosphere. Create your backyard oasis with one of our all-inclusive fountain kits.

- Easily integrated with other Little Giant products for additional feature enjoyment
- Easy to assemble
- Designed with simplicity in mind
- Each kit includes 36” basin, fountain, Little Giant pump, and plumbing

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**PFK**
Caviar Black Papyrus Fountain Kit

**LBFK**
Old Bronze Lotus Bowl Fountain Kit

**FPB**
Plumbing Kit
FPB will work with any feature

Scan to see how easy they are to assemble!

*Don’t forget lighting on page 15-16!*
## Disappearing Water Features

### Disappearing Fountains

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>PF30*</td>
<td>Papyrus Fountain</td>
<td>31” Tall in Caviar Black</td>
</tr>
<tr>
<td>PF31</td>
<td>Papyrus Fountain</td>
<td>31” Tall in Antique Rust</td>
</tr>
<tr>
<td>PF32</td>
<td>Papyrus Fountain</td>
<td>31” Tall in Weather Graystone</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LBF30*</td>
<td>Lotus Bowl Fountain</td>
<td>30” Diameter in Old Bronze</td>
</tr>
<tr>
<td>LBF31</td>
<td>Lotus Bowl Fountain</td>
<td>30” Diameter in Weathered Graystone</td>
</tr>
<tr>
<td>LBF32</td>
<td>Lotus Bowl Fountain</td>
<td>30” Diameter in Antique Rust</td>
</tr>
</tbody>
</table>

## Basins and Vaults

Our basins are ideal for smaller applications when you want the soothing sounds of water but are limited on space.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFB36</td>
<td>36” Disappearing Fountain Basin</td>
<td>36”</td>
</tr>
<tr>
<td>DFB30</td>
<td>30” Disappearing Fountain Basin</td>
<td>30”</td>
</tr>
<tr>
<td>SF</td>
<td>SF Pump Vault for easy pump access</td>
<td></td>
</tr>
<tr>
<td>DFB44</td>
<td>44” Disappearing Fountain Basin</td>
<td>44”</td>
</tr>
</tbody>
</table>
Classical Fountains

Little Giant provides you with an easy, affordable way to enhance your home, garden or office with the calming sound of water in motion. These self-contained fountains are lightweight, portable, and easy to assemble. Powered by a Little Giant submersible pump, constructed of durable polyethylene, and hand-finished for authenticity, these unique water features are charming, captivating, and attractive.

Classical Fountain Accessories

Fogger Kit with Transformer

- Ideal for small statuary and tabletop fountains
- Creates soothing, natural layer of fogging mist above water surface
- Submersible use only with low water shut-off

Fountain Cleaner

- Helps ensure clear, sparkling water to keep pumps free from debris
- All natural ingredients; nontoxic and safe for aquatic life
- Specially formulated for smaller fountains

WT-TTC-4

Fountain Cleaner
Fountains

Once the basic construction is complete, adding features is a great way to enhance the sight and sound of your water gardening experience.

Fountain Spray Nozzles and Kits
- Comes in a variety of patterns for a distinctive and creative effect
- Easy to use; designed to work with a wide selection of pumps
- Separate fountain pump recommended to ensure proper effect and maximum circulation

Fountain Spray Nozzles and Kits
- RJ21 Ring Jet
  - 400 GPH = 4.5’ H x 8’ D
  - 900 GPH = 9’ H x 11’ D
  - 1500 GPH = 11’ H x 19’ D

- FHK-1-PW
  - Includes Daisy, Tulip, and Waterbell

- FHT-1090-PW
  - Three-Tier Fountain Nozzle
    - 400 GPH = 2.5’ H x 3’ D
    - 900 GPH = 4’ H x 7’ D
    - 1500 GPH = 8’ H x 10’ D

- FHT-1170-PW
  - Bubbler Fountain Nozzle
    - 400 GPH = 1’ H x 3’ D
    - 900 GPH = 1’ H x 7’ D
    - 1500 GPH = 3’ H x 10’ D

- FHT-1280-PW
  - Waterbell Fountain Nozzle
    - 400 GPH = 1’ H x 3’ D
    - 900 GPH = 1’ H x 7’ D
    - 1500 GPH = 3’ H x 10’ D
Lighting

LED Lighting
Our LED illuminators contain energy efficient 3-watt bulbs, lasting about 30,000 hours. With 11 pre-programmed lighting options and synchronized special effects, our lights give you the right amount of color and patterns to inspire, soothe, invigorate or reflect a special occasion.

Submersible LED Pond Light Kit with Transformer
- Light housings can be fully submersed or used out of pond
- Can be used to highlight features such as falls, streams, statues, plants, fish, or other pond life
- Includes one LED illuminator and transformer with built-in timer and variable on/off switch to power up to three lights
- Transformer meets National Electric Code (NEC) requirements
- Includes 20’ cord; attaches to all Little Giant fountain nozzles or stands alone
- Comes with patented adapter cup
- Includes stabilizing and fountain nozzle mounting brackets

Additional LED pond illuminators and replacement bulbs available for individual purchase.
Lighting

Halogen Lighting

Our halogen lighting contains a bright, 20-watt bulb, lasting about 3000 hours. The accompanying transformers meet National Electric Code (NEC) requirements for use outdoors.

Submersible Pond Light Kit with Transformer

• Light housings can be fully submersed or used out of pond
• Highlights features such as falls, streams, statues, plants, fish or other pond life
• Includes transformer, light, colored lenses, and mounting brackets
• Contains 20’ cord; attaches to all Little Giant fountain nozzles or stands alone
• Alternate color options provide festive “after dark” effects to reflect any mood
• Light kits come with weatherproof transformers that feature built-in timers; can power up to three 20-watt submersible lights

Additional halogen pond lights and replacement bulbs available for individual purchase.
Pond Care

Protection

Whether a small disappearing fountain or a full water garden, protecting your investment during all seasons is essential. Little Giant makes it simple by providing a vast selection of products that help you achieve peace of mind.

Auto-Fill Kit

- 1/2" MNPT auto-fill valve
- 1/2" barb adapter
- 1/2" female adapter
- 3/4" FGHT (garden hose adapter)

Air Pump

For use under water or externally, providing valuable pond aeration for plants and fish. Includes tubing and diffuser; use multiple units for larger ponds.

Fall and Winter Care

For use under water or externally, providing valuable pond aeration for plants and fish. Includes tubing and diffuser; use multiple units for larger ponds.
Water Clarifiers and Treatments

The unique partnership between the Little Giant brand and Ecological Laboratories enables us to offer the finest in natural microbial products to regulate your pond’s water clarity and quality. By offering a wide range of MICROBE-LIFT clarifiers, stabilizers, chemical removers, and seasonal water treatments, Little Giant helps you establish, restore, and maintain the natural biological and chemical balance of your pond, all year long!

**Beneficial Bacteria**

<table>
<thead>
<tr>
<th>Code</th>
<th>Size</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>WT-ML-PL-Q</td>
<td>32 OZ</td>
<td>PL Liquid Water Clarifier</td>
</tr>
<tr>
<td>WT-ML-PL-P</td>
<td>16 OZ</td>
<td></td>
</tr>
<tr>
<td>WT-ML-PL-G</td>
<td>1 GAL</td>
<td></td>
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</table>

**Water Treatments**

<table>
<thead>
<tr>
<th>Code</th>
<th>Size</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WT-DL-P</td>
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<td>Dechlorinator Pulse</td>
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<tr>
<td>WT-AR-P</td>
<td></td>
<td>Ammonia Remover</td>
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<tr>
<td>WT-FP-P</td>
<td></td>
<td>Flocculant Plus</td>
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<td>WT-SA-Q</td>
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<td>Sludge Away</td>
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<td>WT-BS-P</td>
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<td>7.5 pH Buffer/Stabilizer</td>
</tr>
<tr>
<td>WT-TTC-4</td>
<td></td>
<td>Fountain Cleaner</td>
</tr>
<tr>
<td>WT-ALG-G</td>
<td>1 GAL</td>
<td>Algae Away</td>
</tr>
<tr>
<td>WT-ALG-Q</td>
<td>32 OZ</td>
<td></td>
</tr>
<tr>
<td>WT-ALG-P</td>
<td>16 OZ</td>
<td></td>
</tr>
<tr>
<td>WT-ML-PR-Q</td>
<td></td>
<td>Phosphate Remover</td>
</tr>
<tr>
<td>WT-TS-50</td>
<td></td>
<td>5 In 1 Test Strips</td>
</tr>
<tr>
<td>WT-NO-P</td>
<td></td>
<td>NiteOut II</td>
</tr>
<tr>
<td>WT-BMC-2</td>
<td></td>
<td>Biological Mosquito Control</td>
</tr>
</tbody>
</table>
Fish and Plant Care

As the flora and fauna become part of the family it is important to give them a healthy environment with the proper food and planting media. Our selection of Microbe-Lift products offers the finest in fish food and plant health.

Fish and Plant Care
- **Summer Staple Fish Food**: FF-SS
- **Growth And Energy Fish Food**: FF-GE
- **9” Round Plant Basket**: UPB-R9-PW
- **12” Square Plant Basket**: UPB-1212-PW
- **Beneficial Bacteria Colonized Planting Media**: UPBM10
- **Summer Staple Fish Food**: FF-SS
- **Growth And Energy Fish Food**: FF-GE
- **9” Round Plant Basket**: UPB-R9-PW
- **12” Square Plant Basket**: UPB-1212-PW
- **Beneficial Bacteria Colonized Planting Media**: UPBM10

Pond Maintenance Accessories

Fish nets make catching the fish safer than using your hands, as does a skimmer net for removing floating debris.

Pond Maintenance Accessories
- **Skimmer Net**: NS
- **Fish Net**: AFN

Fish and Plant Care

#### Pond Maintenance Accessories

- **Fish and Plant Care**
  - Summer Staple Fish Food (FF-SS)
  - Growth And Energy Fish Food (FF-GE)
  - 9” Round Plant Basket (UPB-R9-PW)
  - 12” Square Plant Basket (UPB-1212-PW)
  - Beneficial Bacteria Colonized Planting Media (UPBM10)

Fish nets make catching the fish safer than using your hands, as does a skimmer net for removing floating debris.

- **Skimmer Net** (NS)
- **Fish Net** (AFN)
Virtual Pond Kits

To Build 1400 Gallon Pond:

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>Model</th>
<th>Item No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skimmer</td>
<td>SK2.5</td>
<td>566131</td>
</tr>
<tr>
<td>Filter</td>
<td>WF5</td>
<td>571010</td>
</tr>
<tr>
<td>Pump</td>
<td>F20-2700</td>
<td>566725</td>
</tr>
<tr>
<td>Pipe</td>
<td>T-1-1/2 BFPVC</td>
<td>566182</td>
</tr>
<tr>
<td>Liner</td>
<td>SLB 15x15</td>
<td>566502</td>
</tr>
<tr>
<td>Autofill Kit</td>
<td>AFV-GH AutoFill</td>
<td>566286</td>
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<tr>
<td>Backflush Kit</td>
<td>BFK-M</td>
<td>14940321</td>
</tr>
<tr>
<td>Waterfall Foam</td>
<td>WFF-20-ROCKIN FOAM</td>
<td>599057</td>
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</table>

To Build 4400 Gallon Pond:

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<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>Skimmer</td>
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<td>14940172</td>
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<tr>
<td>Filter</td>
<td>WF5</td>
<td>571010</td>
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<tr>
<td>Pump</td>
<td>F50-5000</td>
<td>566728</td>
</tr>
<tr>
<td>Pipe</td>
<td>T-2-25 BFPVC</td>
<td>566184</td>
</tr>
<tr>
<td>Liner</td>
<td>20'x25'</td>
<td>570760</td>
</tr>
<tr>
<td>Autofill Kit</td>
<td>AFV-GH Auto Fill</td>
<td>566286</td>
</tr>
<tr>
<td>Backflush Kit</td>
<td>BFK-M</td>
<td>14940321</td>
</tr>
<tr>
<td>Waterfall Foam</td>
<td>WFF-20-ROCKIN FOAM</td>
<td>599057</td>
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To Build A Disappearing Stream:

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>Model</th>
<th>Item No.</th>
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</thead>
<tbody>
<tr>
<td>Vault</td>
<td>SF</td>
<td>566410</td>
</tr>
<tr>
<td>Waterfall Weir</td>
<td>WFW</td>
<td>566239</td>
</tr>
<tr>
<td>Pump</td>
<td>F30-4000</td>
<td>566726</td>
</tr>
<tr>
<td>Pipe</td>
<td>T-1-1/2-25 BFPVC</td>
<td>566182</td>
</tr>
<tr>
<td>Liner</td>
<td>Fit To Size</td>
<td>Page 37</td>
</tr>
<tr>
<td>Autofill Kit</td>
<td>AFV-GH Auto Fill</td>
<td>566286</td>
</tr>
<tr>
<td>Waterfall Foam</td>
<td>WFF-20-Rockin Foam</td>
<td>599057</td>
</tr>
</tbody>
</table>
Aquarium

Little Giant aquarium products implement the highest quality of engineering and design in every product. Each product is designed specifically for aquarium-filtered applications in freshwater and saltwater environments.

Aquarium Pump ITEM 519310 | MODEL PESQ-300

Aquarium Pump ITEM 580507 | MODEL 2-MDQX-SC

Hydroponics

All Little Giant hydroponic pumps are manufactured with a corrosion-resistant body specifically designed for submersible use. Magnetic drive pumps offer better energy efficiency, while direct drive pumps produce greater starting torque and more pressure. Our extensive product line allows you to choose which pump features are best for your application.

325 GPH Submersible Hydroponic Pump ITEM 527002 | MODEL NK-2

200 GPH Automatic Hydroponic Pump ITEM 550523 | MODEL 1-ABS

Pool Products

Little Giant offers an extensive collection of pool cover pumps that are able to keep up with the needs of virtually any pool cover. These pumps offer industry-leading service, easy water removal, and superior pool cover protection.

Automatic Pool Cover Pump ITEM 519575 | MODEL 500-APCP

Automatic Pool Cover Pump ITEM 577301 | MODEL APCP-1700