AUTOMATIC DOSING SYSTEM

Accurately and consistently adds your choice of water treatment

• For Ponds (Item #96030)
• For Fountains (Item #96031)

www.aquascapeinc.com
Thank you for choosing the Aquascape Automatic Dosing System.

At Aquascape, our goal is to supply our customers with the best valued products in water gardening. We hope you enjoy your purchase. Thank you for choosing Aquascape. Your Paradise. Our Passion.

1 Year Warranty

The Aquascape Automatic Dosing System is guaranteed for one year from the date of purchase. Proof of purchase required. Warranty does not cover damage resulting from negligent handling, misuse or lack of reasonable maintenance or care. Warranty is valid against defects due to material and workmanship only. The sole obligation shall be to replace the defective unit with a suitable replacement unit. Units should be checked for proper operation prior to returning as defective. No liability for loss or damage of any nature or kind, whether arising out of or from the use of the product, whether defective or not defective, is assumed by Aquascape, Inc. or its affiliates. The warranty does not cover the pump cartridge as this is considered a consumable part. Please see our Maintenance Section for care instructions.

Contact Us

For more information about our company or products please visit our website at www.aquascapeinc.com or call (US) 1-866-877-6637 (CAN) 1-866-766-3426.

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Introduction

The Aquascape Automatic Dosing System when used in conjunction with the Aquascape Automatic Dosing System water treatments will provide pond and water feature owners with optimum water conditions and crystal-clear water. The Aquascape Automatic Dosing System was designed to take the guesswork and mundane chore out of adding water treatments to your pond or fountain on a consistent and regular basis. Adding water treatments consistently and often ensures pristine water conditions and optimizes water conditions for pond inhabitants. This Instruction Manual will guide both your installation of this filter and recommended maintenance procedures to ensure long-term effectiveness.

Safety Information

WARNING: Risk of electric shock – This Product has not been approved for use in swimming pool or marine areas.

WARNING: To provide continued protection against risk of electric shock, connect to properly grounded, ground fault circuit interrupter (GFCI) outlets only.

PLEASE NOTE: Aquascape Automatic Dosing System water treatments have been specifically formulated to work with the Aquascape Automatic Dosing System. Using water treatments not designed for use with the system may permanently damage the unit and void the warranty.

WARNING: This product is weatherproof, but is not designed to be submersed in the water or operated at ambient temperatures below 40°F/4°C.

- Have a qualified electrician install a properly grounded receptacle outlet, acceptable for outdoor use when protected from direct sunlight snow and rain. If possible locate the outlet or filter so that the power cord will reach the outlet without an extension cord.

- Inspect cord for damage before using. If an extension cord is required be sure it is rated for outdoor use.

- Any wiring of this product should be performed by a qualified electrician to ensure code compliance and user safety.

- To reduce risk of electrical shock, all wiring and junction connections should be made per local codes. Requirements may vary depending on usage and location.

- The power cable should be protected at all times to avoid punctures, cuts, bruises and abrasions.

- Never handle power cords with wet hands.

- Unplug filter at receptacle outlet when not in use.

- Do not remove cord and strain relief. Do not connect conduit to product.

- Do not use power cable to lift the Automatic Dosing System.
Electrical Specifications

Transformer
• Input Voltage: 120V ac
• Input frequency: 60 Hz
• 6 Watts
• For outdoor or indoor use
• Thermally protected

Automatic Dosing System
• Input Voltage: 12V ac
• Input frequency: 60 Hz
• For outdoor or indoor use
• Thermally protected
• This system has been evaluated for use with the Automatic Dosing System Water Treatments only.

Instructions

Carefully remove the dosing system from the packaging.

1. Attach the transformer to the dosing system power cord using the quick connect fitting attached to the dosing pump main power cord. (Please note that the transformer should be plugged into a GFCI rated receptacle), the transformer included is 12V. The unit can also be powered by an existing 12V transformer used for 12V lighting.

2. Open the dosing system container by pressing the four blue tabs simultaneously on the top portion of the dosing system, gently lifting at the same time.

3. Attach the water treatment by removing the existing cap included with the water treatment, inserting the proprietary pump tube from the dosing pump into the water treatment and then seal the bag with the included threaded adapter.

4. Place the attached treatment inside the dosing system canister.

5. Attach the included discharge tubing to the fitting on the side of the dosing system control panel. Simply insert the hose into the fitting until it stops. Ensure that the check valve is in the right orientation with arrow pointing away from the dosing system. The discharge tubing can be installed two ways, either directly into the pond or fountain or by using included output hose holder. The hose holder can be easily attached to plumbing or other round surfaces. Refer to the installation diagrams on the following page for more information.

6. To purge the system and get it ready for proper operation press and hold the X2 button-down until the water treatment starts dripping out into the pond or fountain. This may take several minutes depending on the distance from the dosing pump to the pond or fountain. Make sure to install the dosing system as close to the water feature as possible to avoid the water treatments having to travel through long lengths of tubing.

7. Be sure to inspect your dosing system often to insure proper function and to verify your water treatment is not empty, use the chart found on page 7 of this instruction manual to approximate the replacement frequency of your selected water treatment.
Select the appropriate amount of gallons to be maintained by pressing the plus or minus button to the appropriate number. If you are treating a fountain we recommend using 500 gallons for any water feature, increasing it if the fountain or Pondless® Waterfall contains more water.

**To Calculate Pond Size in US Gallons:**
Length (in feet) x Width (in feet) x Average Depth (in feet) x 7.48.

**TIP:** For new or problem ponds or fountains we recommend using the X2 button for the first two weeks of operation.

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**Installation**

**Dosing Directly into Skimmer**
(Pond Application)

**Dosing Directly into Pond**
(Pond Application)

**Dosing Directly into Pondless® Waterfall Vault**
(Pondless® Waterfall Application)

**Dosing Directly into AquaBasin®**
(Fountain Application)
### Available Fountain Water Treatments

<table>
<thead>
<tr>
<th>Water Treatment</th>
<th>1 Prevent</th>
<th>2 Clean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eliminates unsightly water conditions</td>
<td>✔ ✔</td>
<td>✔ ✔</td>
</tr>
<tr>
<td>Eliminates discolored/cloudy water</td>
<td>✔</td>
<td>✔ ✔ ✔</td>
</tr>
<tr>
<td>Reduces floating debris and turbidity</td>
<td>✔</td>
<td>✔ ✔</td>
</tr>
<tr>
<td>Eliminates unsightly scale deposits</td>
<td>✔ ✔ ✔</td>
<td>✔ ✔ ✔</td>
</tr>
<tr>
<td>Prevents unsightly scale deposits</td>
<td>✔ ✔ ✔</td>
<td>✔ ✔ ✔</td>
</tr>
<tr>
<td>Reduces maintenance</td>
<td>✔ ✔</td>
<td>✔ ✔ ✔</td>
</tr>
<tr>
<td>Safe for animals that may drink from the pond</td>
<td>✔ ✔ ✔</td>
<td>✔ ✔ ✔</td>
</tr>
<tr>
<td>Eliminates bad odors</td>
<td>✔ ✔</td>
<td>✔ ✔ ✔</td>
</tr>
</tbody>
</table>

#### Key

- Good
- Better
- Best

### Installation Options

- **Mounting Plate**
- **Fence/post**
- **In Ground**

### Prevent for Fountains

**#96042**

Maintaining a fountain or self-contained water feature can be challenging, especially if located in direct sunlight. Aquascape Fountain Prevent when used in conjunction with the Aquascape Automatic Dosing System will help prevent unsightly water conditions, including the buildup of unsightly debris and scale often an issue with concrete fountains or in areas with hard water.

### Clean for Fountains

**#96037**

Aquascape Fountain Clean will quickly and effectively clean debris and growth from the surface of the feature restoring the natural beauty of your water feature.
Available Pond Water Treatments

<table>
<thead>
<tr>
<th>Water Treatment</th>
<th>1 Maintain</th>
<th>2 Clean</th>
<th>3 Clear</th>
<th>4 Protect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eliminates unsightly water conditions</td>
<td>✔ ✔</td>
<td>✔ ✔</td>
<td>✔ ✔</td>
<td>✔ ✔</td>
</tr>
<tr>
<td>Eliminates discolored/cloudy water</td>
<td>✔ ✔ ✔</td>
<td>✔</td>
<td>✔ ✔</td>
<td>✔ ✔</td>
</tr>
<tr>
<td>Reduces floating debris and turbidity</td>
<td>✔</td>
<td>✔ ✔</td>
<td>✔ ✔</td>
<td>✔</td>
</tr>
<tr>
<td>Contains a powerful blend of bacteria and enzymes</td>
<td>✔ ✔ ✔</td>
<td>✔ ✔</td>
<td>✔ ✔</td>
<td>✔</td>
</tr>
<tr>
<td>Reduces Issues with fish loss or fish exhibiting strange behavior</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td>✔ ✔ ✔</td>
</tr>
<tr>
<td>Reduces sludge in streams and pond bottom</td>
<td>✔ ✔</td>
<td>✔ ✔</td>
<td>✔ ✔</td>
<td>✔</td>
</tr>
<tr>
<td>Removes and detoxifies chlorine/chloramines/heavy metals and ammonia</td>
<td>✔ ✔ ✔</td>
<td>✔ ✔</td>
<td>✔ ✔</td>
<td>✔ ✔</td>
</tr>
<tr>
<td>Safe for animals that may drink from the pond</td>
<td>✔ ✔ ✔</td>
<td>✔ ✔</td>
<td>✔ ✔</td>
<td>✔ ✔</td>
</tr>
<tr>
<td>Supports the biological balance/pond ecosystem</td>
<td>✔ ✔</td>
<td>✔</td>
<td></td>
<td>✔ ✔</td>
</tr>
<tr>
<td>Eliminates bad odors</td>
<td>✔ ✔</td>
<td>✔</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Helps eliminate foam near waterfalls and in streams</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
</tbody>
</table>

**Maintain for Ponds**

#96032

Aquascape Maintain uses a combination of beneficial bacteria, enzymes and a powerful phosphate binder to reduce pond maintenance and maintain optimum water quality resulting in a crystal-clear maintenance free pond.

**Clean for Ponds**

#96034

Aquascape Clean reduces organic waste caused by fish waste, uneaten fish food, leaves and debris that fall into the pond. Keeping ponds free from organic debris helps optimize water clarity and quality. Aquascape Clean contains a powerful combination of sludge eating bacteria and enzymes.

**Clear for Ponds**

#96033

Controlling the build up of debris and unsightly water conditions can be difficult. Aquascape Clear when used with the Automatic Dosing System can be dosed slowly and consistently reducing issues caused when shock treating the pond, resulting in a clean, clear and maintenance free pond.

**Protect for Ponds**

#96035

Aquascape Protect is made from natural plant extracts chosen for their natural healing properties that will reduce fish stress, prevent parasites and bacterial infections.

**Replacement Frequency**

<table>
<thead>
<tr>
<th>Pond size</th>
<th>Approximate days of treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 gallons</td>
<td>166</td>
</tr>
<tr>
<td>1,000 gallons</td>
<td>83</td>
</tr>
<tr>
<td>1,500 gallons</td>
<td>55</td>
</tr>
<tr>
<td>2,000 gallons</td>
<td>42</td>
</tr>
<tr>
<td>2,500 gallons</td>
<td>33</td>
</tr>
<tr>
<td>3,000 gallons</td>
<td>28</td>
</tr>
<tr>
<td>3,500 gallons</td>
<td>24</td>
</tr>
<tr>
<td>4,000 gallons</td>
<td>21</td>
</tr>
<tr>
<td>4,500 gallons</td>
<td>18</td>
</tr>
<tr>
<td>5,000 gallons</td>
<td>16</td>
</tr>
</tbody>
</table>
Maintenance
The Aquascape Automatic Dosing System requires very little maintenance. When replacing water treatments take a few seconds to inspect and clean the tubing of any debris that is trapped or has formed in the tubing. A soft pipe cleaner available at most hobby stores can be used to clean the tubing.

The pump cartridge located on the underside of the control panel is a consumable part that may wear out over time reducing the accuracy of the dosing system. It is recommended to replace the pump cartridge once each year (Pump Kit Item#96040) Please see replacement parts for more information.

Do not operate at temperatures below 40°F / 4°C doing so will void the warranty.

Your Aquascape Automatic Dosing System and liquid water treatments are not designed to be operated during freezing temperatures. The unit is equipped with an internal protection thermostat that will shut off the dosing pump at temperatures below 40°F / 4°C. Remove the dosing system during winter freezing temperatures and store the dosing system in a frost free location.

Troubleshooting
• The pump does not seem to be pumping the liquid treatment from the pouch into my pond or fountain.
  – Make sure there is power coming to the unit.
  – Check to make sure that the check valve is in the correct orientation.
  – Make sure the tubing inside the dosing system and discharge tubing to the water feature is not kinked.
  – Make sure to hold down the X2 dosing button to prime the system, depending on the length of the tubing going to your pond or fountain it may take several minutes for the new treatment to work its way to the point of application.
  – Listen closely you should be able to hear the pump turning if it’s working correctly.
  – If it still doesn’t work it may be time to replace the pump cartridge.

• There is no power to the unit
  – Check that the transformer is plugged in.
  – Try replacing the transformer, please note that the Aquascape Automatic Dosing System runs on 12 low voltage outdoor rated transformer.

• Make sure the tubing inside the dosing system and discharge tubing to the water feature is not kinked.
Replacement Parts

<table>
<thead>
<tr>
<th>No.</th>
<th>Item number/description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>96043 Hose Holder</td>
</tr>
<tr>
<td>2.</td>
<td>96044 O-Ring</td>
</tr>
<tr>
<td>3.</td>
<td>96047 Mounting Plate</td>
</tr>
<tr>
<td>4.</td>
<td>96040 Pump Cartridge Kit</td>
</tr>
<tr>
<td>5.</td>
<td>98375 6 W Transformer</td>
</tr>
<tr>
<td>6.</td>
<td>96041 Tubing Kit</td>
</tr>
</tbody>
</table>