

# OPERATING MANUAL

# SAVIO

## UVinex™ System uv clarifier

For use with the Savio Standard Skimmerfilters Only

Savio UVinex™ systems provide unparalleled water clarity for your pond. UVinex™ offers a safe, chemical free solution for eliminating green water. By adding a UVinex™ system you'll also enhance the filtration capabilities of your Savio Skimmerfilter. ®



**DO NOT REMOVE PLASTIC  
PROTECTIVE COATING FROM BULB.**

**SUV050A  
SUV026A  
SUV018A**

Read entire instructions prior to assembly and operation.

# Uvinex Components

The Uvinex System Should come fully Assembled. Do not disassemble. Examine all parts while unpacking. Carefully inspect Uvinex bulb for damage incurred during shipping. If unit appears damaged, contact the dealer you purchased it from for a replacement. Do not use if damage is evident.

Junction Kit  
RU118

Transformer  
RU116 - 18/26 watt  
RU117 - 50 watt



Coated Bulb  
RU1805 - 18 watt  
RU2605 - 16 watt  
RU5005 - 50 watt

Junction Screws  
RU119

Junction Cap Top  
RU120

Cap Seal  
RU125

Screw Ring Male  
RU122

Cord Seal  
RU124

Metal ORing  
RU127

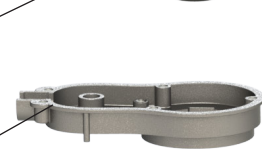
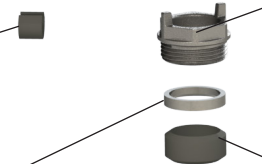
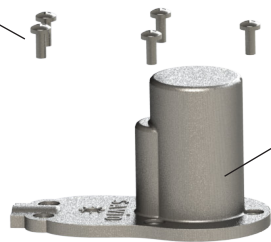
Grommet  
RU126

Junction Cap Bottom  
RU121

Rubber ORing  
RU128

Replacement Bulb  
RU1805  
RU2605  
RU5005

Screw Ring Female  
RU123



# Uvinex Installation

- ① If installing a single UV, you may use either the left or right skimmer UV mount on the standard skimmerfilter. If using the compact skimmer filter only use the center UV mount.
- ② If using a single UV, a baffle block can be used to prevent water movement through unused UV chamber. This provides improved UV exposure.
- ③ Place UV into skimmer by inserting the bulb into the UV mount.
- ④ Use a Phillips screwdriver and the screws provided to secure the unit. Extra screws are provided.
- ⑤ To start system: Plug UV into GFCI protected outlet. UV must be used in conjunction with a ground fault current interrupter socket (GFCI). (If you do not have a GFCI, contact a licensed electrician before using the UV.)

# Recommended Flow Rates

For green water clarification, the pump needs to flow the total volume of pond water past the UV no less than every two hours. In full size Skimmerfilters® two UVs may be used for increased clarification.

## **18 Watt UVinex™**

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Minimum 33% of total volume of pond water per hour (gph)  
Maximum 2000 Gallons per Hour (GPH)

## **26 Watt UVinex™**

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Minimum 33% of total volume of pond water per hour (gph)  
Maximum 2500 Gallons per Hour (GPH)

## **50 Watt UVinex™**

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Minimum 33% of total volume of pond water per hour (gph)  
Maximum 4750 Gallons per Hour (GPH)

# Maintenance

Prior to performing any maintenance always unplug the UVinex™ system. Use caution when removing or replacing bulbs.

Every Three Months:

Coated bulb should be wiped with a clean cloth & rinsed with clean water.

Annually or As Needed:

Replace UVinex™ bulb every 12 months for optimal water clarity.

# Winterizing

Allowing the UVinex™ system to freeze can result in breakage to the bulb.

Winterize pond equipment before ice develops on the pond. Keep equipment winterized until spring when the water temperature rises to 40°F or higher consistently.

To winterize UV:

- 1) Disconnect electrical connections.
- 2) Remove the UV from the Skimmerfilter®.
- 3) Dry UV unit thoroughly and clean bulb.
- 4) Store indoors in a safe place.

# Important Safety Instructions

Water and electricity can be deadly when combined. This unit can pose significant risk of bodily harm if used incorrectly. Please read the following instructions carefully.



WARNING - ELECTRICAL SHOCK HAZARD.

- Never immerse the ballast/transformer unit in water.
- Never immerse the entire UVinex™ system in water.
- UV must be used in conjunction with a ground fault current interrupter socket (GFCI).  
(If you do not have a GFCI, contact a licensed electrician before using the UV.)
- If the UV's internal components get wet, unplug the unit immediately.
- If bulb shows signs of leakage unplug the unit immediately.
- Do not operate UV with a damaged cord or plug, if it has been dropped, or is malfunctioning.
- Do not attempt repairs on a damaged transformer unit.
- Always unplug unit when not in use and prior to servicing it.
- Never remove the UV from the Skimmerfilter® by pulling on the cord.
- Always pull the plug from the outlet, never pull the cord.

## UV Light Warning

- Do not operate UV unless it is fully installed in the Savio Skimmerfilter®.
- UV lamps emit radiation that is harmful to eyes and skin. Do not look directly at UV while in operation.
- UV lamps are made from glass and must always be handled with caution.
- Closely supervise children around all pond equipment.
- The Savio UVinex™ system is for use solely in Savio Skimmerfilters®.  
Do not use in any other environment.

# Trouble Shooting

Faults	Possible Cause	Remedies
UVinex™ system not operating.	<ul style="list-style-type: none"> <li>a) UV is not plugged in.</li> <li>b) GFCI switch (ground fault circuit interrupt) has tripped.</li> <li>c) Domestic fuse has blown.</li> <li>d) UVinex™ bulb needs replacing.</li> <li>e) UVinex™ transformer has failed.</li> </ul>	<ul style="list-style-type: none"> <li>a) Connect UV plug to a working outlet.</li> <li>b) Reset GFCI. If this occurs often consult an electrician.</li> <li>c) Replace fuse or reset circuit breaker. If this occurs often consult an electrician.</li> <li>d) Replace bulb.</li> <li>e) Replace transformer.</li> </ul>
Transformer Light RED	<ul style="list-style-type: none"> <li>a) Bulb not connected to transformer</li> <li>b) UVinex™ bulb needs replacing.</li> <li>c) Transformer Needs to be reset</li> </ul>	<ul style="list-style-type: none"> <li>a) Unplug from electrical circuit. Unscrew junction box and reconnect bulb into transformer, reassemble and restart</li> <li>b) Replace Bulb</li> <li>c) Unplug transformer from circuit</li> </ul>
Bulb Not Lit	<ul style="list-style-type: none"> <li>a) Coating is Cracked or broken</li> <li>b) UVinex™ bulb needs replacing.</li> <li>c) Transformer Needs to be reset</li> </ul>	<ul style="list-style-type: none"> <li>a) Check coating for signs of breakage or cracks. Replace bulb.</li> <li>b) Replace Bulb</li> <li>c) Unplug transformer from circuit allow 2 minutes and restart</li> </ul>
UVinex System trips GFCI	<ul style="list-style-type: none"> <li>a) Bulb coating is Cracked or broken</li> <li>b) Too much output for the electrical outlet</li> </ul>	<ul style="list-style-type: none"> <li>a) Replace Bulb</li> <li>b) Unplug any other items plugged into same circuit. Have an electrician check circuit.</li> </ul>
Water not Clearing	<ul style="list-style-type: none"> <li>a) Not enough UV output .</li> <li>b) Too much Calcium Buildup</li> <li>c) Not enough Bio-Mechanical Filtration</li> <li>d) Needs Additional time for extreme buildup</li> </ul>	<ul style="list-style-type: none"> <li>a) Check UV output ratio to Pond Gallons and Pump output (GPH) . Additional wattage needed.</li> <li>b) Wipe UV coating with clean cloth to remove build up.</li> <li>c) Check your pond gallons and waste accumulation to the amount of filtration needed. Add additional filtration.</li> <li>d) If starting UV system under extreme algae buildup - allow additional time for clarification. Standard 3-4 weeks.</li> </ul>

# Warranty

To activate your visit the Savio website ([www.savioeng.com/warranty](http://www.savioeng.com/warranty)).

Savio Engineering provides a manufacturer's limited warranty of 1 year from original purchase date. Warranty does not cover consumables or wear items such as bulbs or o-rings. Warranty is non-transferable. Within the warranty period SAViO will repair materials with manufacturing deficiencies at their discretion. This warranty does not cover any faults caused by improper use, installation and handling of the device or as a result of wear and tear. Savio Engineering, does not assume liability for consequential damage caused by the failure of the Savio UVinex™ system. Removal of cord or ground pin voids warranty.

Warranty is void if the product is not used in accordance with instructions. For warranty claims, please contact your dealer or submit a warranty claim on [www.savioeng.com/warranty](http://www.savioeng.com/warranty).