

IONGEN™ G2

Design & Performance



The IonGen™ G2 electronic water treatment system

The IonGen™ electronic water clarifier for Ponds, Pondless® Waterfalls and other decorative water features drastically reduces maintenance and provides crystal clear water without the use of chemicals.

- Significantly decreases the debris that normally attached to the rocks & gravel throughout the pond, waterfall and stream
- Not a chemical water treatment
- Can be used on ponds with fish and plants
- Treats ponds up to 25,000 gallons



How Does the IonGen™ G2 work?

Two main components



Control Panel - Touch pads allow the user to adjust the level of copper ions produced based on the condition of the water feature.

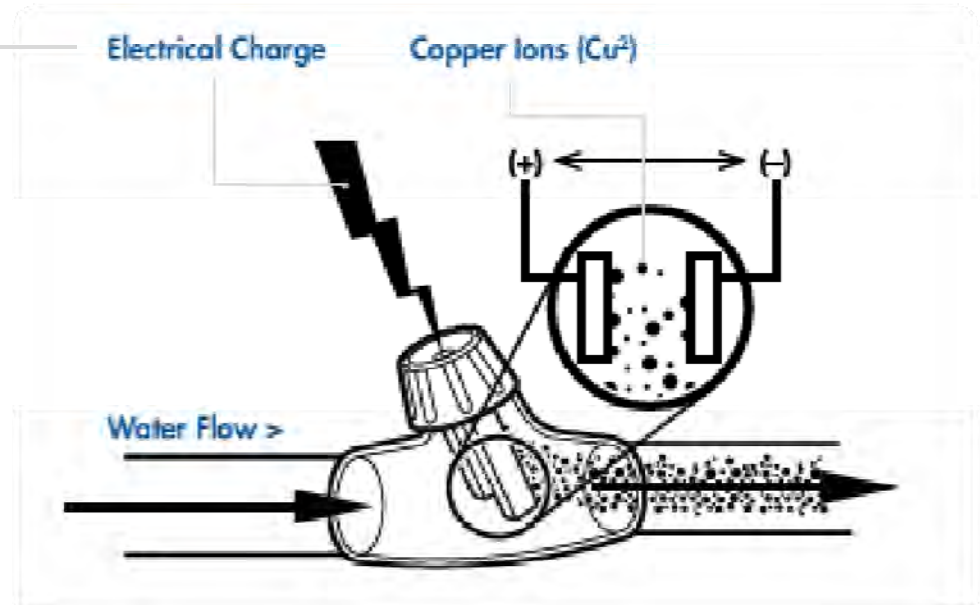


The Probe - Copper bars are activated by the control panel and slowly dissolve into the water.

How Does the IonGen™ G2 work?



A microprocessor in the Control Panel sends a signal to the Probe causing the outermost metal atoms of the Probe's bars to lose an electron creating a positive ion.



The positive ion attempts to flow from one bar to the other and is swept away by the flowing water and dispersing it into the water feature.

Easy to Install

Fittings Included

- A convenient selection of fittings are included with each IonGen™ System
- These fittings save time and eliminates the frustrating process of trying to find the right plumbing fittings in the store

1" , 1 ¼" , 1 ½"
Multi Hose Adaptors



2" PVC Slip Fitting

IonGen™ G2 Flow Chamber

No tools require to install or remove Probe

- Probe can be removed by hand making installation and maintenance inspection easy



New G2 Flow Chamber cap does not require tools

The IonGen™ G2 designed to use electrical quick connects

- No tools required for electrical connections
 - Easy to install quick connectors



Quick Connects also allow the length of electrical cable to be increased

- Length of cable can be increased if needed using the 25 ft extension



Includes 15 ft of cable



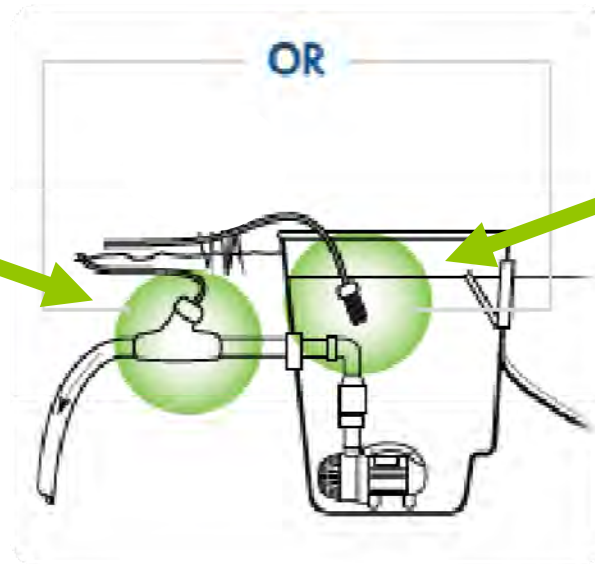
25 ft Cable Extension are Available

Probe installation options - Flow Chamber or Filter

Flow Chamber



The IonGen™ Probe can be installed directly in the water features recirculating system using the Flow Chamber included with the IonGen™ System.



Filter



The Probe can also be installed without the flow chamber by hanging it directly into a filter with good water flow, such as a Skimmer or Pondless® Waterfalls.

Installing the Probe directly into the Filter - Make sure the location has sufficient water flow

Skimmer Filter



Pondless® Waterfall Filter



Performance Tip: The IonGen™ Probe depends on water flow to help disperse the ions into the water. Installing the Probe in the Flow Chamber and plumbing it into the water features recirculating system is typically the most effective. If you choose to not install the Probe into a filter and not the recirculating system and are not getting good results you may want to try moving the probe to a location with greater water flow.

Mount the Control Panel and set the ionization level



- Monitor and adjust the Ionization level as needed.
- The touch pad on the Control Panel is used to raise or lower the ionization level based on water quality conditions
- Follow the instructions in the owners manual for setting and monitoring the ionization level.
- Periodically test the copper levels in the water, using the copper test kit included with the system, to monitor that the copper levels don't exceed the recommended limits stated in the manual.

IonGen™ Replacement Probe

- The replaceable IonGen™ Probe will typically last for 1 or more seasons, depending on the usage, quantity of water and water chemistry of the water feature.
- The IonGen™ G2 Control Panel will read “00” when the Probe is completely exhausted or there is a fault in the operation of the system.
- It is recommended to visually inspect the bars on the Probe from time to time, and replace the Probe if the bars are significantly degraded.



Example of a new Probe



Example of degraded Probe

Performance tip: Operate the IonGen™ at a low ionization level and only raise the ionization level when needed. This will prolong the life of the Probe and make sure the copper levels don't exceed the recommended limits stated in the owners manual.

The IonGen™ G2 is extremely energy efficient

- The IonGen™ uses less than 1 watt of energy and costs less than \$1.00 per month to operate

RUNNING COST
LESS THAN
\$1.00/month
6W
1 \$/mois
MOINS DE
COÛT DE FONCTIONNEMENT



The IonGen™ G2 Control Panel
Includes a 3 year warranty

The IonGen™ G2 System

Comes complete with the following:



12V Low Voltage Transformer x1



The IonGen™ G2 Probe x1



The IonGen™ G2 Control Panel x1



2" PVC Fitting x2



1", 1.25" . 1.5" Multi-hose adaptor x2



The IonGen™ G2 Flow Chamber x1

Copper Test Kit (not pictured) x1

IonGen™ G2 Control Panel Upgrade Option

- The original IonGen™ Control Panel can be upgraded to a new G2 Control Panel using the IonGen™ Probe Conversion Wire (Item# 95018). The conversion wire allows the new IonGen™ G2 Control Panel to connect to the original style probe

Original IonGen™
Control Panel [G1]



Original IonGen™
Probe & Tee Fitting

IonGen™ G2
Control Panel



Probe Conversion
Wire



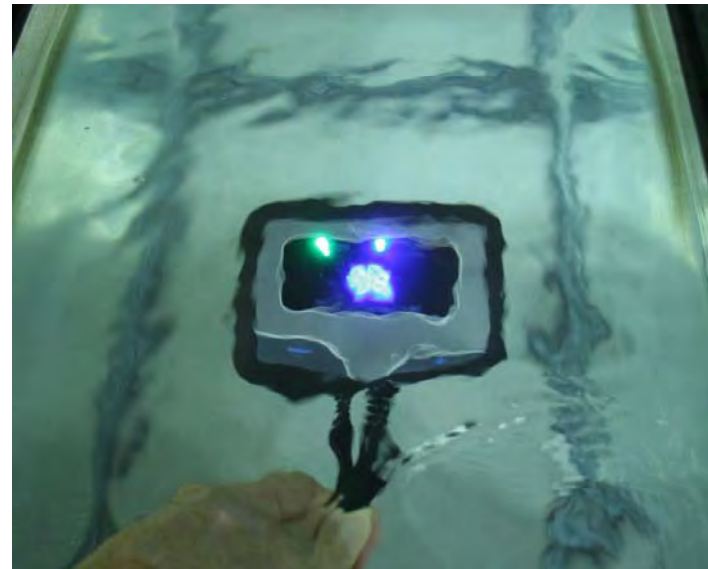
IonGen™ G2 Design Improvements

- Digital numerical readout on the new G2 Control Panel replaces the original light bars



IonGen™ G2 Design Improvements

- The new IonGen's ability to withstand exposure to the outdoor environment is greatly improved!



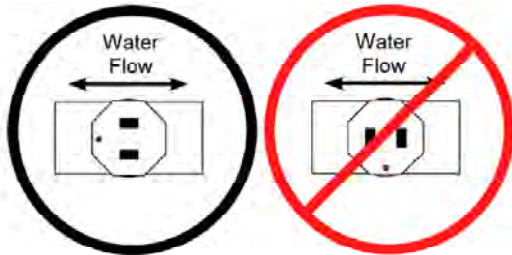
IonGen™ G2 Design Improvements

- Metal alloy formulation adjusted for better performance in water features
 - Does not contain silver

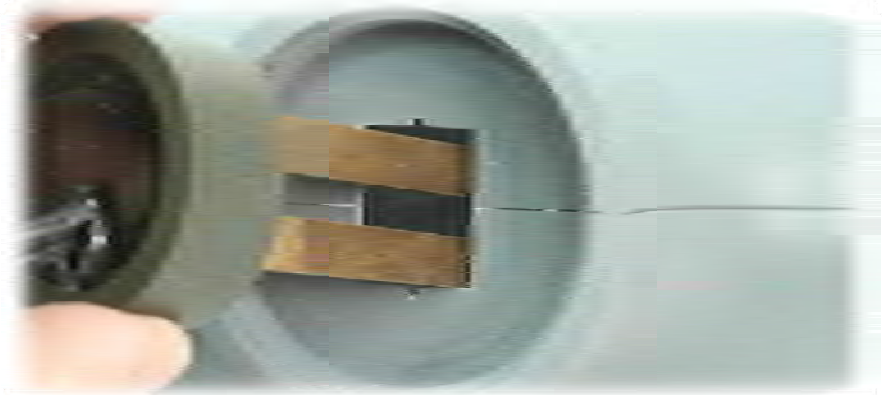


IonGen™ G2 Design Improvements

- The orientation of the Probe in relation to the water flow is important. The original IonGen™ relied on the installer to make sure the bars are positioned in the right direction.
- The IonGen™ G2 Flow Chamber includes a “keyed” slot for the Probe to slide into ensuring that the bars are installed in the proper orientation.



Original IonGen™
Tee Fitting



New IonGen™ Flow
Chamber keyed slot

IonGen™ G2 Design Improvements

- The new IonGen's flow chamber positions the probes on an angle to help reduce the chance of the bars clogging with debris



Original IonGen™
Probe



New IonGen™ G2 Probe &
Flow Chamber

The IonGen™ System



	Aquascape IonGen Original	Aquascape IonGen G2	Cost Savings
IonGen Complete System			
MSRP	\$399.98	\$349.98	12.5% Less
Replacement Probe			
MSRP	\$149.98	\$119.98	20% Less



Prices shown on this slide are based on 2012 U.S. pricing. Prices subject to change without notice.

The IonGen™ System



	Aquascape IonGen Original	Aquascape IonGen G2	Cost Savings
IonGen Complete System			
MSRP	\$399.98	\$399.98	No Increase
Replacement Probe			
MSRP	\$153.98	\$129.98	15.6 % Less



Prices shown on this slide are based on 2012 Canadian pricing. Prices subject to change without notice.

This Concludes this Training Module

For additional information please feel free to contact:



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