SioGreen

INFRARED TANKLESS WATER HEATERS

SioGreen Quartz Infrared Electric Tankless Water Heaters

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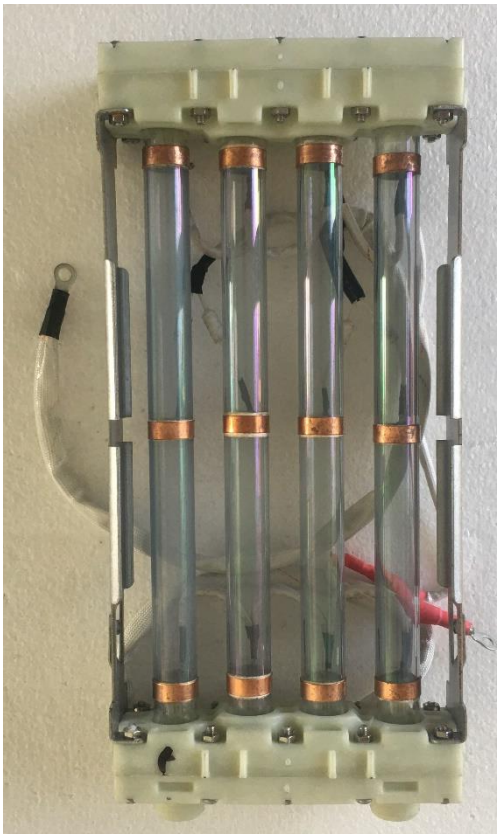
SIOGREEN

INFRARED TANKLESS WATER HEATERS

Quartz Infrared Heat Exchanger



The First Real Innovation

In over 100 Years

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SioGreen
INFRARED TANKLESS WATER HEATERS

SioGreen Quartz Infrared Electric Tankless Water Heaters

The newest water heating technology innovation in over 100 years!

No Metal Heating Elements – No Corrosion – NO MAINTENANCE

SioGreen Inc. is based in Clearwater, FL, and spent over ten years developing and field-testing the next generation in electric tankless water heaters. From the original design in 2008, the patent issued in 2014, over 10 years of R&D, the final design was introduced in 2018. Since that time and after thousands of installations, there has been less than a 1% return rate...and most returns were the result of shipping damage or loose electrical connections.

The difference between the ***SioGreen Quartz Infrared Tankless*** design and technology is how the water is heated. ***SioGreen*** has developed and patented a revolutionary way to use ***Space Age Quartz and Infrared Energy*** to heat an unlimited supply of hot water through a maintenance free heat exchanger.

SioGreen Quartz Infrared Electric Tankless Water Heaters use no metal heating elements that corrode and fail. As a result, our heat exchangers are guaranteed to be **MAINTENANCE FREE for 10 Years!**

No other company in world can make this claim!

SioGreen has developed and patented a revolutionary way to use ***Space Age Quartz and Infrared Energy*** to heat an unlimited supply of hot water through a maintenance free heat exchanger. Inside, water flows through a series of ***quartz heat exchanging elements****;* clear tubes with a patented Nano-carbon coating that conducts, accelerates, and intensifies the infrared heat energy inside the tubes. The result is a highly efficient, maintenance free water heater.

Typical tank or tankless electric water heaters utilize ***metal heating elements***. The common problem is that when water comes in contact with the metal heat source, they form scale and corrosion and ultimately fail unless costly maintenance is performed at least once a year, costing hundreds of dollars.

The *SioGreen* Performance Difference

24,637 Hours...that is how long this ***SioGreen Quartz*** **Infrared Heat Exchanger** was performing before it was removed for inspection at a nail salon. Constant on/off operation running 9 hours/day...365 days/year...for 7 1/2 years...That's equivalent to **22 1/2 years** in a typical household!!

No corrosion...No maintenance…No failures.

The Power of SioGreen Quartz Infrared - The Magnifying Glass Effect.

The sun's infrared energy is amplified and intensified through the magnifying glass to burn paper.

Infrared energy is amplified through the patented carbon coated SioGreen Quartz Tube to heat the water.

It's really that Simple!

POU Pro Models (Point of Use)

IR-30 POU Pro - 3.4 kW 110 V - 1.0 GPM - 30 AMP Single Pole Breaker #10 AWG Wire - Single Sink - Hand wash only - Individual lavatory or exam room sinks - RV's and Boats - Complies with UL 499
IR-260 POU Pro - 6.0 kW 208/220/240 V - 1.5 GPM - 30 AMP Double Pole Breaker #10 AWG Wires - Single Sink - Hand Wash Stations - Outdoor kitchens and Pool showers - Workshops– Complies with UL 499
IR-288 POU Pro - 8.8 kW 208/220/240 V - 3.0 GPM - 40 AMP Double Pole Breaker #8 AWG Wire - Small single bath house - Single Bath Apartment/Mobile Homes and Modulars– Complies with UL 499
Warranty: 2 Year Full Replacement/5 Year Electronic/5 Year Heat Exchanger

SIO Pro Flex Model (Multi-Bath)

SIO 18 Pro Flex - 18 kW 208/220/240 V - 4.6 GPM - 80 Amp (2) 40 Amp DP Breakers (2) pair #8 AWG Wires – Switchable to energy saving 14 kW. Whole House 2+ baths - Larger homes and condos -Larger commercial applications. Tested and Certified to DOE CFR Title 10 Energy Standards - Conforms to NSF/ANSI/CAN STD 372 - Complies with UL 499 CSA C22.2 No. 64-10 E212625 – Listed with California Energy Commission
Warranty: 2 Year Full Replacement/5 Year Electronics/10 Year Heat Exchanger

SioGreen Specifications

MFG SKU	Product Description	Amperage	Cable Required	Water Connection	Dimensions	Warranty
IR-30 POU Pro	Point of Use 3.4 kW/120V	30 AMP	10 AWG	½" NPS	11.5" x 9" x 2.75"	2 Year/5 Year/5 Year
IR-260 POU Pro	Point of Use 6.0 kW/220V	30 AMP Double Pole	(2) 10 AWG	½" NPS	11.5" x 9" x 2.75"	2 Year/5 Year/5 Year
IR-288 POU Pro	Point of Use 8.8 kW/220V	40 AMP Double Pole	8 AWG	¾" NPT	17.5" x 11.5" x 2.75"	2 Year/5 Year/5 Year
SIO 18 Pro Flex	Whole House 18 kW/220V	2 – 40 AMP Double Pole	(2) 8 AWG	¾" NPT	20" x 14" x 6"	2 Year/5 Year/10 Year

Flow Rates – Temperature Rise

MFG SKU	Maximum kW	75° F	65° F	55°	45°	35°
IR-30 POU Pro	3.4	-	0.5	0.6	0.7	1.0
IR-260 POU Pro	6.0	0.5	0.8	1.0	1.2	1.5
IR-288 POU Pro	8.8	1.0	1.3	1.5	1.7	3.0
SIO Flex Mode 14 kW	14	1.7	2.0	2.3	2.8	3.6
SIO Flex Mode 18 kW	18	2.2	2.5	3.0	3.6	4.6

Gallons Per Minute based on 110° Exit temperature

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SioGreen vs Competitor Comparison

Stiebel Eltron*

Spec	SIO 18 Pro Flex	Tempra Trend 20	Tempra Trend 24
Max Power	**18 kW**	**20 kW**	**24 kW**
Amperage	80 AMP	80 AMP	100 AMP
Voltage	240	240	240
Breakers	(2) 40 AMP DP	(2) 40 AMP DP	(2) 50 AMP DP
Cabling	2 Pair 8 AWG	2 Pair 8 AWG	(2) Pair 8 AWG
GPM – 75° Rise	**2.2**	1.76	1.84
GPM – 55° Rise	**3.0**	2.37	2.95
GPM – 45° Rise	**3.6**	2.93	3.60
GPM – 35° Rise	**4.6**	3.73	4.76

Titan*

Spec	SIO 18 Pro Flex	Titan N-180	Titan N-270
Max Power	**18 kW**	**18 kW**	**27 kW**
Amperage	80 AMP	75 AMP	120 AMP
Voltage	240	240	240
Breakers	(2) 40 AMP DP	(2) 40 AMP DP	(2) 60 AMP DP
Cabling	2 Pair 8 AWG	2 Pair 8 AWG	(2) Pair 6 AWG
GPM – 75° Rise	**2.2**	1.62	2.13
GPM – 55° Rise	**3.0**	2.23	2.95
GPM – 45° Rise	**3.6**	2.73	3.58
GPM – 35° Rise	**4.6**	3.50	4.71

Eemax*

Spec	SIO 18 Pro Flex	Eemax HA018240	Eemax HA024240
Max Power	**18 kW**	**18 kW**	**24 kW**
Amperage	80 AMP	75 AMP	100 AMP
Voltage	240	240	240
Breakers	(2) 40 AMP DP	(2) 36 AMP DP	(2) 50 AMP DP
Cabling	2 Pair 8 AWG	2 Pair 8 AWG	(2) Pair 8 AWG
GPM – 75° Rise	**2.2**	1.64	2.18
GPM – 55° Rise	**3.0**	2.24	3.00
GPM – 45° Rise	**3.6**	2.76	3.64
GPM – 35° Rise	**4.6**	3.57	4.71

Rheem*

Spec	SIO 18 Pro Flex	RTEX - 18	RTEX - 24
Max Power	**18 kW**	**20 kW**	**24 kW**
Amperage	80 AMP	75 AMP	100 AMP
Voltage	240	240	240
Breakers	(2) 40 AMP DP	(2) 40 AMP DP	(3) 40 AMP DP
Cabling	2 Pair 8 AWG	2 Pair 8 AWG	(3) Pair 8 AWG
GPM – 75° Rise	**2.2**	1.64	2.19
GPM – 55° Rise	**3.0**	2.23	3.00
GPM – 45° Rise	**3.6**	2.73	3.64
GPM – 35° Rise	**4.6**	3.54	4.71

*All competitor specifications taken from the manufacturer's published information.

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SioGreen
Infrared Tankless Water Heaters

SioGreen's 3 Major Innovations

SioGreen is the only company in the world that uses a ***Patented Nano-Carbon Coated Quartz Tube*** *heat exchanger where the water flows through the series of quartz tubes while being progressively heated with* ***Infrared Energy*** *controlled by* ***Computerized True Modulation****.*

Let's break it down…

Innovation 1 - Patented Quartz Tube Heat Exchanger

- It is not glass or plastic…it is Patented Carbon Coated Quartz.
- Quartz is much more durable than glass and can withstand temperatures of up to 1100^{o} F with little thermal expansion.
- Quartz is a conductor of electricity while glass is an insulator
- The nano-carbon coating applied to the outside to the tubes amplifies and accelerates the infrared energy that generates the heat inside the tube to heat the water.
- The clear, clean quartz tube will not attract or accumulate any scale or corrosion from even the hardest well water…this makes the unit ***MAINTENANCE FREE***!

Innovation 2 – Far Infrared Heat Energy

- Every other electric tank or tankless water heater uses some form of electric resistance heating element. Electricity is applied to the metal element that generates heat. The mineral content of the heated water accumulates and creates scale on the heating element leading to failure.
- Infrared energy only heats solid objects. The Sun heats the Earth with infrared energy and the heated Earth radiates the energy to heat the atmosphere (radiant).
- Infrared Energy is applied to the carbon coated quartz tubes and is amplified and accelerated to intensify the heat inside the tube to heat the water.
- No metal heating elements or components ever come in contact with the water and there is no accumulation of scale or mineral deposits.

SioGreen
Infrared Tankless Water Heaters

Innovation 3 – Computerized True Modulation

- Modulation is an industry buzzword. SioGreen has the only True Modulation in the industry.
- Typical modulation consists of a series of on-off switching. In units with 3-4 heating elements, the controller actually shuts off one or two elements to modulate the overall energy applied. In some cases, the controller may only reduce the energy going to the element.
- Regardless, electric elements do not react instantaneously. They heat up gradually and cool down gradually. The response and results are marginal at best.
- The SioGreen SIO Pro Series heaters have 2 banks of 4 quartz tubes in the heat exchanger. Each tube has 2 sections. The computerized modulator monitors all 16 sections of the quartz tubes and adjusts the amount of electric energy applied to each section instantaneously.
- This process works with the preset exit water temperature setting to maintain the flow and temperature to within 1 degree.

The bottom line, proven performance.

This heating element was removed for inspection from an early prototype unit installed in 2010 during the R&D period. This array ran 9 hours/day, 365 days/year for over 7 ½ years in a nail salon with no scale, no maintenance and no loss of efficiency. The only minor issue was a slight discoloration on one tube from insulation.

That is 24,638 hours!

…or equivalent to over 22 years of use in a typical household.

No corrosion…No maintenance…No failures!

Please visit www.siogreenpro.com for complete information and videos.

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SioGreen Quartz Infrared Tankless Water Heaters

THE FIRST MAJOR BREAKTHROUGH IN WATER HEATER TECHNOLOGY IN OVER 100 YEARS!

SioGreen IR-30 POU Pro - Point of Use

All **SioGreen Quartz Infrared Electric Tankless Water Heaters** utilize the latest technology in Quartz Infrared heating elements to provide instant and continuous hot water. This small, portable unit can be used anywhere you have access to a water supply and electricity. No *metal heating elements* that corrode and fail and it is **MAINTENANCE FREE**!

The **IR-30 POU Pro** uses 110 V – 30 Amp household circuit and 3.4 kW to heat the water faster. It has a maximum flow rate of 1.0 GPM (gallons per minute) and includes a gate valve. This product is recommended for use with a **single sink** only**. *Do not use with a shower or multiple applications***.

Flow rates at various temperature rise – Outlet Temperature of 110°

Model Number	Max kW	75°	65°	55°	45°	35°
IR-30 POU Pro	3.4	-	.5	.6	.7	1.0
2 Year Full Replacement Warranty/5 Years Electronics/5 Years Heat Exchanger						

Applications:

- Single Sink Point-Of-Use Applications
- Outdoor showers
- Outdoor kitchen sinks
- Campers, RV's and Boats

Features:

- Multiple Redundant High-Power Quartz Heating Elements
- Thermostatic Intelligent Temperature Controller
- Fully Modulating Power Control
- LED Temperature Outlet/Set Display
- No Dry Fire
- Compact Design for Space Saving
- Superior Energy Efficient (98%)
- Continuous Hot Water On-Demand
- Self-Cleaning Design for **MAINTENANCE FREE** Operations

Power Requirements and Specs:

- 100 AMP Service or Higher – Single Phase – 50/60 Hz
- 30 AMP - 110 Volt – 30 AMP Circuit Breaker with #10 AWG Wire
- 11.5” x 9” x 2.75”

WRAS APPROVED PRODUCT · MET c us · ETL Intertek · CE

Complies with UL 499

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SioGreen IR-260 POU Pro – Point of Use

All **SioGreen Quartz Infrared Electric Tankless Water Heaters** utilize the latest technology in Quartz Infrared heating elements to provide instant and continuous hot water. This small, portable unit can be used anywhere you have access to a water supply and electricity.

No *metal heating elements* that corrode and fail and it is **MAINTENANCE FREE**!

The **IR-260 POU Pro** uses 240 V – 30 Amp household circuit and 6.0 kW to heat the water faster. It has a maximum flow rate of 1.5 GPM (gallons per minute) and includes a gate valve. This product is recommended for use with a **single sink** only**. *Do not use with a shower or multiple applications***.

Flow rates at various temperature rise – Outlet Temperature of 110°

Model Number	Max kW	75°	65°	55°	45°	35°
IR-260 POU Pro	6.0	.5	.8	1.0	1.2	1.5
2 Year Full Replacement Warranty/5 Years Electronics/5 Years Heat Exchanger						

Applications:

- Single Sink Point-Of-Use Applications
- Outdoor showers
- Outdoor kitchen sinks
- Campers, RV's and Boats

Features:

- Multiple Redundant High-Power Quartz Heating Elements
- Thermostatic Intelligent Temperature Controller
- Fully Modulating Power Control
- LED Temperature Outlet/Set Display
- No Dry Fire
- Compact Design for Space Saving
- Superior Energy Efficient (98%)
- Continuous Hot Water On-Demand
- Self-Cleaning Design for **MAINTENANCE FREE** Operations

Power Requirements and Specs:

- 100 AMP Service or Higher – Single Phase – 50/60 Hz
- 30 AMP – 208/220/240 Volts – 30 AMP Double Pole Circuit Breaker with (2) #10 AWG Wire
- 11.5” x 9” x 2.75”

Complies with UL 499

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SioGreen IR-288 POU Pro – Point of Use

The **SioGreen IR-288POU** is the ideal solution for water heating needs in Single Bath applications. This compact unit easily mounts on a wall, freeing up valuable storage space. No tanks…No pans…No vents…just attach the plumbing and electrical hook-ups for an endless supply of hot water on demand.

No *metal heating elements* that corrode and fail and it is **MAINTENANCE FREE**!

The **IR-288 POU Pro** uses 220 V – 40 Amp household circuit and 8.8 kW to heat the water faster. It has a maximum flow rate of 3.0 GPM (gallons per minute) and includes a gate valve. This product is recommended for use with a **single bath, kitchen and laundry.**

Flow rates at various temperature rise – Outlet Temperature of 110°

Model Number	Max kW	75°	65°	55°	45°	35°
IR-288 POU Pro	8.8	1.0	1.3	1.5	1.7	3.0
2 Year Full Replacement Warranty/5 Years Electronics/5 Years Heat Exchanger						

Applications:

- Mobile Homes/Manufactured Homes
- Single Bath House
- Pet Groomers and clinics
- Apartment/Condo
- Office and workplace
- Remote bathrooms in large homes

Features:

- Multiple Redundant High-Power Quartz Heating Elements
- Thermostatic Intelligent Temperature Controller
- Fully Modulating Power Control
- LED Temperature Outlet/Set Display
- No Dry Fire
- Compact Design for Space Saving
- Superior Energy Efficient (98%)
- Continuous Hot Water On-Demand
- Self-Cleaning Design for **MAINTENANCE FREE** Operations

Power Requirements and Specs:

- 120 AMP Service or Higher – Single Phase – 50/60 Hz
- 40 AMP – 208/220/240 Volts – 30 AMP Double Pole Circuit Breaker with (2) #10 AWG Wire
- 17.5” x 11.5” x 2.75”

Complies with UL 499

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INFRARED TANKLESS WATER HEATERS

SIOGREEN WARRANTY ADDENDUM

Model: IR-30 POU Pro/IR-260 POU Pro/IR-288 POU Pro

Effective March 1, 2022, the terms of the SioGreen Warranty is modified as follows:

TWO (2) YEAR BASIC REPLACEMENT LIMITED WARRANTY:
During the two (2) year warranty period beginning at the date the product was originally purchased, if Buyer submits a claim to Manufacturer, Manufacturer will replace the defective model with the same or equivalent model formed from new and/or previously used and/or refurbished parts that are equivalent to new in performance and reliability.

FIVE (5) YEAR LIMITED ELECTRONICS WARRANTY:

In addition to the basic two (2) year warranty, the Electronic PC Board portion of the product shall have an additional Three (3) year limited warranty beginning at the expiration of the above two year limited warranty. The Electronic PC Board as referred to herein shall mean the actual circuit board component only and does not include wiring harnesses or connectors. Under this additional warranty, Manufacturer will replace the defective Electronic PC Board should a repair be required. Manufacturer is not liable for any costs incurred by Owner, including, without limitation, the cost of any labor.

FIVE (5) YEAR LIMITED HEAT EXCHANGER WARRANTY:

In addition to the basic two (2) year warranty, the Heat Exchanger portion of the product shall have an additional Three (3) year limited warranty beginning at the expiration of the above two year limited warranty. The Heat Exchanger as referred to herein shall mean the body of the heat exchanger, including the composite plastic component parts attached to the body of the heat exchanger, and the Quartz Tube components. Under this additional warranty, Manufacturer will replace the defective Heat Exchanger should a repair be required. Manufacturer is not liable for any costs incurred by Owner, including, without limitation, the cost of any labor.

Manufacturer reserves the right to deny warranty coverage upon manufacturer's examination of unit.

All other Terms and Conditions remain in full force and effect.

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SioGreen Quartz Infrared Tankless Water Heaters

THE FIRST MAJOR BREAKTHROUGH IN WATER HEATER TECHNOLOGY IN OVER 100 YEARS!

SioGreen SIO 18 Pro Flex – Multi-Bath

All **SioGreen Quartz Infrared Electric Tankless Water Heaters** utilize the latest technology in Quartz Infrared heating elements to provide instant and continuous hot water. **SIO 18 Pro Flex** is designed for **large house and condo applications and medium to large commercial installations**. No *metal heating elements* that corrode and fail and it is **MAINTENANCE FREE**!

SIO 18 Pro Flex includes an installer controlled switchable setting to set the unit to an energy saving 14 kW or full power 18 kW. It is designed for multi bath homes and can support multiple showers in simultaneous use. The unit uses 220 V – 80 Amp household circuit and 18 kW to heat the water faster. It has a maximum flow rate of 4.6 GPM (gallons per minute).

Flow rates at various temperature rise – Outlet Temperature of 110°

Flex Mode	Max kW	75°	65°	55°	45°	35°
14 kW Mode	14	1.70	2.0	2.3	2.8	3.6
18 kW Mode	18	2.2	2.5	3.0	3.6	4.6
2 Year Full Replacement Warranty/5 Years Electronics/10 Years Heat Exchanger						

Applications:

- Large Residential/Commercial
- Hybrid System with Storage Tank
- Hydronic Heating
- Hot Water Recirculation Loop
- Radiant Heating
- Solar Heating Backup

Features:

- Multiple Redundant High-Power Quartz Heating Elements
- Thermostatic Intelligent Temperature Controller
- Fully Modulating Power Control
- LED Temperature Outlet/Set Display
- No Dry Fire
- Internal Circuit Breaker Surge Protection
- Superior Energy Efficiency (98%)
- Continuous Hot Water On-Demand
- Self-Cleaning Design for **MAINTENANCE FREE** Operations

Power Requirements and Specs:

- 150 AMP Service or Higher – Single Phase – 50/60 Hz
- 80 AMP – 208/220/240 Volts – (2) 40 AMP DP Circuit Breakers with (2) Pair #8 AWG Wires
- 20" x 14" x 6.5"
  Tested and Certified to DOE CFR Title 10 Energy Standards - Conforms to NSF/ANSI/CAN STD 372 Complies with UL 499 CSA C22.2 No. 64-10 E212625

Listed with California Energy Commission

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SIOGREEN WARRANTY ADDENDUM

Model: SIO 18 PRO/SIO 18 PRO FLEX

Effective March 1, 2022, the terms of the SioGreen Warranty is modified as follows:

TWO (2) YEAR BASIC REPLACEMENT LIMITED WARRANTY:

During the two (2) year warranty period beginning at the date the product was originally purchased, if Buyer submits a claim to Manufacturer, Manufacturer will replace the defective model with the same or equivalent model formed from new and/or previously used and/or refurbished parts that are equivalent to new in performance and reliability.

FIVE (5) YEAR LIMITED ELECTRONICS WARRANTY:

In addition to the basic two (2) year warranty, the Electronic PC Board portion of the product shall have an additional Three (3) year limited warranty beginning at the expiration of the above two year limited warranty. The Electronic PC Board as referred to herein shall mean the actual circuit board component only and does not include wiring harnesses or connectors. Under this additional warranty, Manufacturer will replace the defective Electronic PC Board should a repair be required. Manufacturer is not liable for any costs incurred by Owner, including, without limitation, the cost of any labor.

TEN (10) YEAR LIMITED HEAT EXCHANGER WARRANTY:

In addition to the basic two (2) year warranty, the Heat Exchanger portion of the product shall have an additional Eight (8) year limited warranty beginning at the expiration of the above two year limited warranty. The Heat Exchanger as referred to herein shall mean the body of the heat exchanger, including the composite plastic component parts attached to the body of the heat exchanger, and the Quartz Tube components. Under this additional warranty, Manufacturer will replace the defective Heat Exchanger should a repair be required. Manufacturer is not liable for any costs incurred by Owner, including, without limitation, the cost of any labor.

Manufacturer reserves the right to deny warranty coverage upon manufacturer's examination of unit.

All other Terms and Conditions remain in full force and effect.

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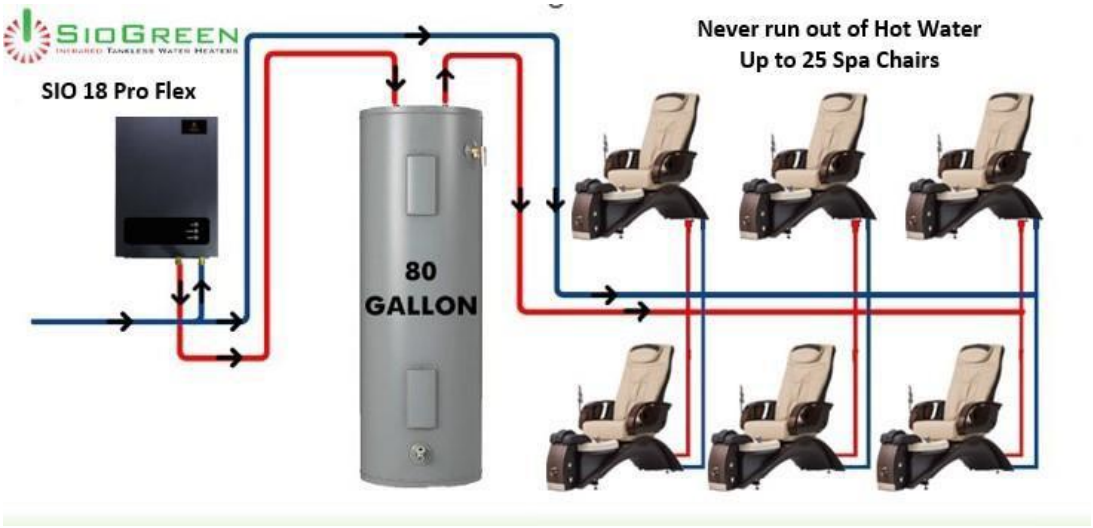
Boost and Hybrid Installations



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SioGreen Boost to Storage Tank

Cold Weather Boost to Gas Storage Tank
Wisconsin Boost – 50 degree Ground Water Temp

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SioGreen in Parallel

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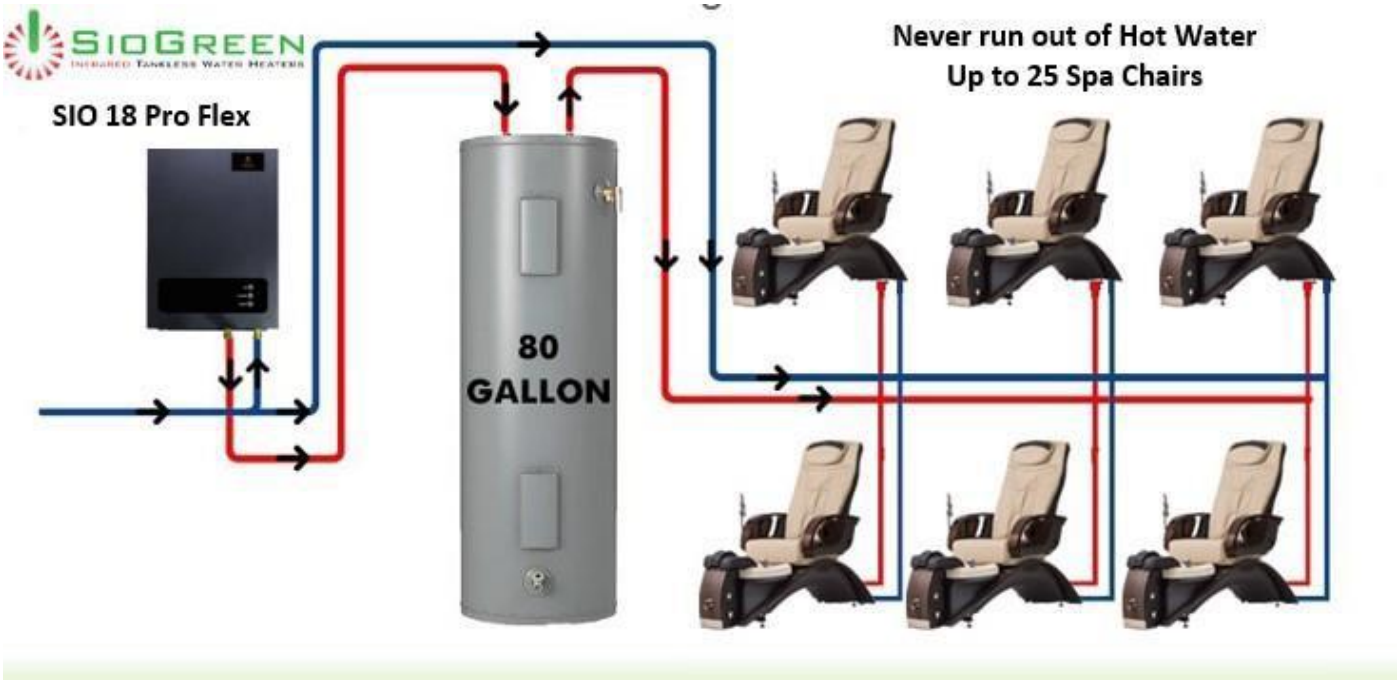
SioGreen Salon Boost to Tank



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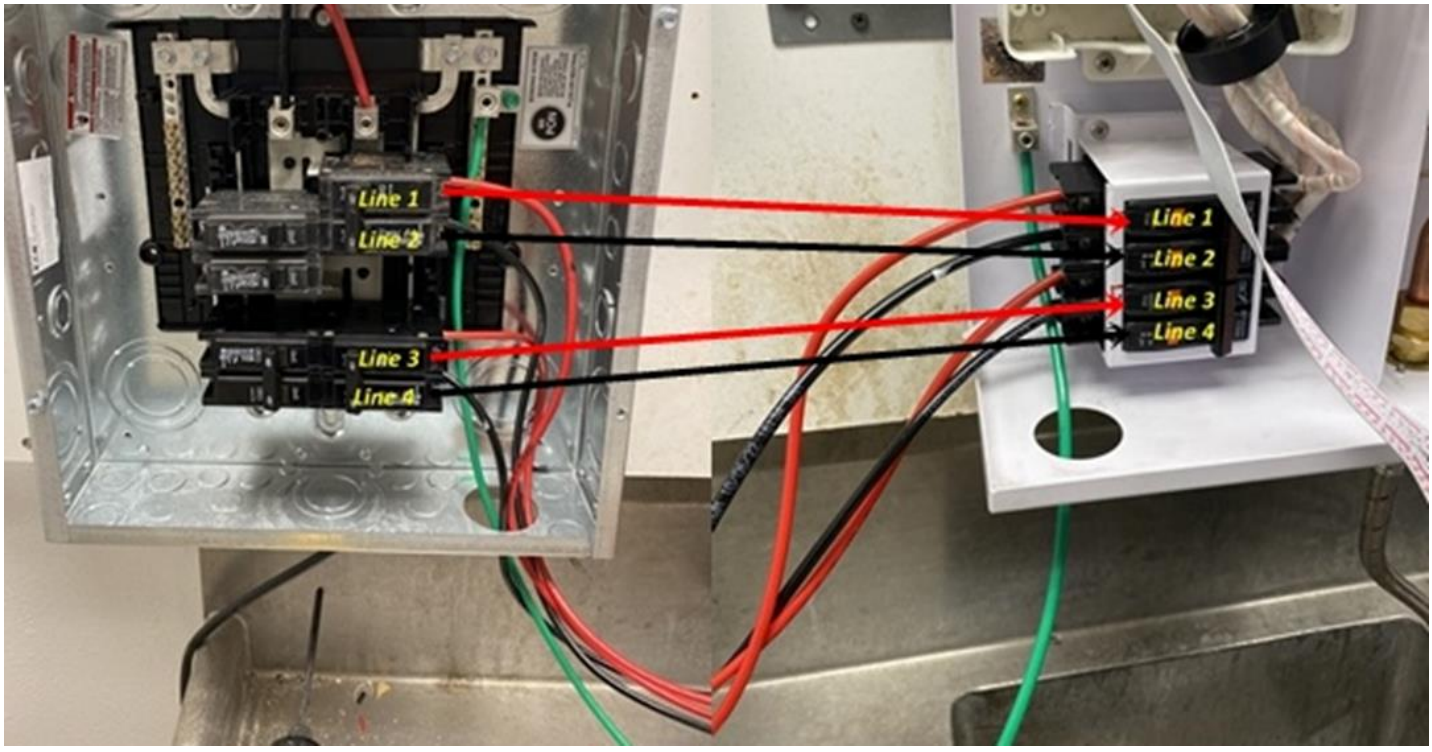
SIO 18 Pro Flex Wiring Requirements

Proper wiring is critical for the SIO 18 Pro Flex to operate correctly. The SIO 18 Pro Flex uses a frequency based electrical system which means the legs of each breaker must be in sequence or "phase" with the corresponding breaker. If you fail to wire the unit properly, it will not activate or function at full power.

To simplify the wiring process, we will refer to the leg/pole as "**Line**". This is the proper way to wire the SIO 18 Pro Flex.

- **Line 1** (Leg 1) in Panel Breaker 1 (Red) must be connected to the corresponding **Line 1** in the SIO 18 Breaker 1
- **Line 2** in Panel Breaker 1 (Black) must be connected to the corresponding **Line 2** in the SIO 18 Breaker 1
- Repeat for Panel Breaker 2 to SIO 18 Breaker 2
- Complete wiring with a single ground



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To confirm and verify the SIO 18 Pro Flex is properly wired, you should perform the following tests. The key to confirming a proper installation is to ***test and verify the voltage and phase*** to each breaker on the SIO 18 Pro Flex internal breaker.

Voltage Test – Voltage on Individual Breakers

Voltage on Breaker 1 **Line 1** (**Red**) to **Line 2** (**Black**) - Confirm **Full** Power

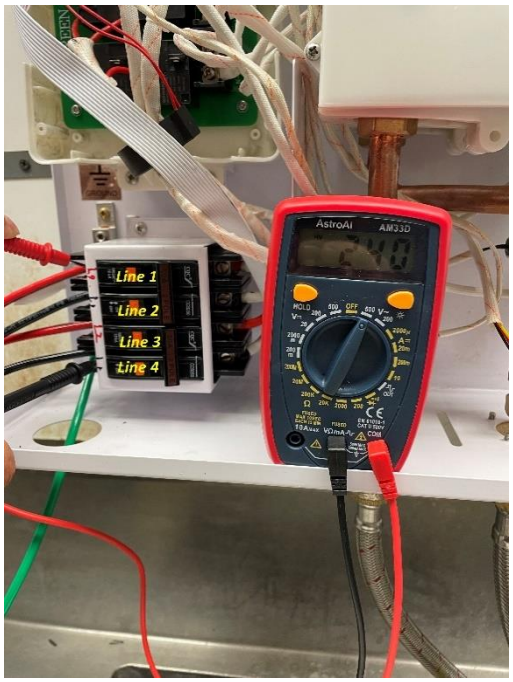
Voltage on Breaker 2 **Line 3** (**Red**) to **Line 4** (**Black**) - Confirm **Full** Power

Phase Test – Voltage on Combined Breakers

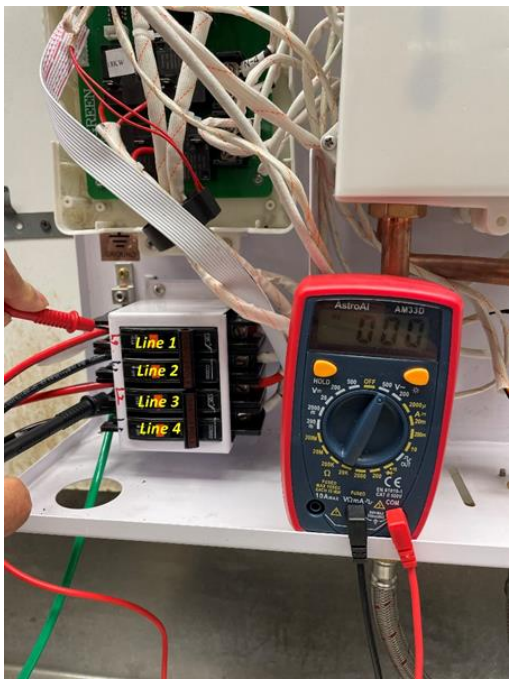
Voltage on Breaker 1 **Line 1** (**Red**) to Breaker 2 **Line 4** (**Black**) - Confirm **Full** Power

Voltage on Breaker 1 **Line 1** (**Black**) to Breaker 2 **Line 3** (**Red**) - Confirm **No** Power

Phase Test 1



Phase Test 2



(If either test is out of phase, the unit will not activate. Reverse the wires on Breaker 1 and retest.)

See complete Wiring and Phase Testing videos here:

https://www.siogreenpro.com/installation-and-wiring-guides

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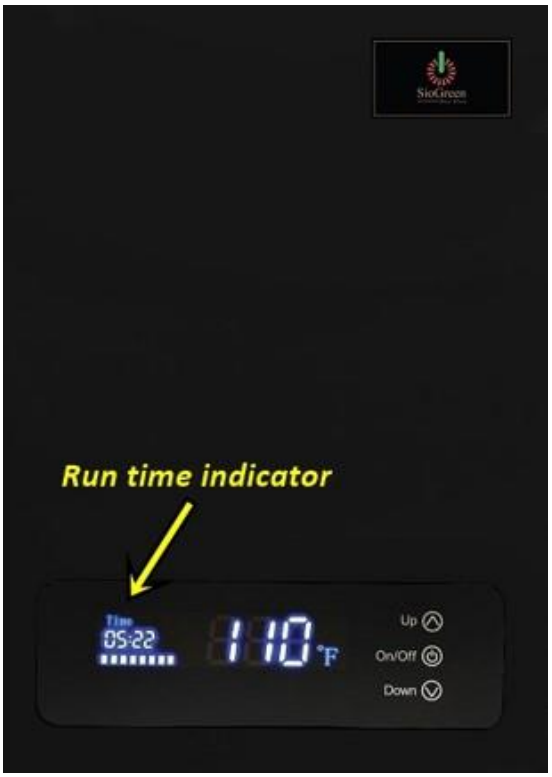
SioGreen®
Infrared Tankless Water Heaters

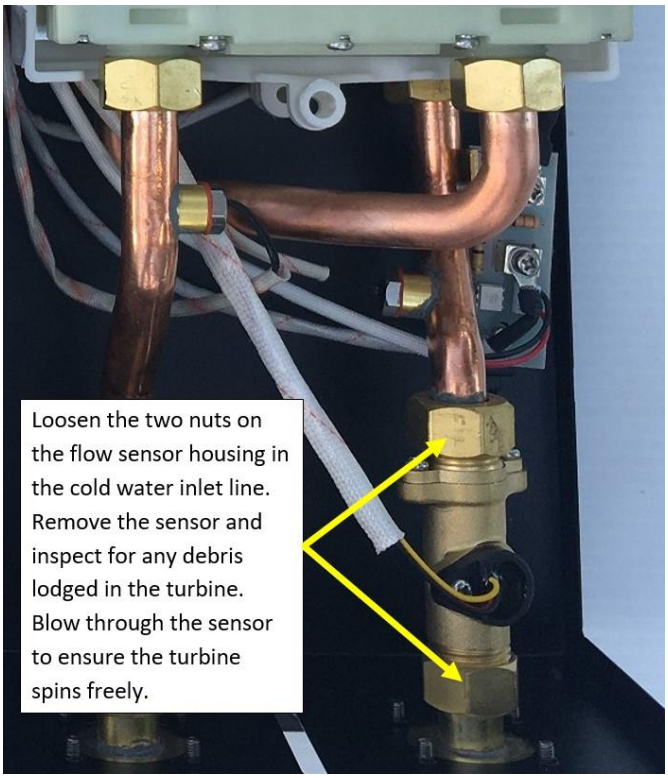
Troubleshooting the Flow Sensor

The main cause of the flow sensor to malfunction is when the installer uses Telflon tape on the cold water connection or if there is debris in the feedline. If the tape is applied too close to the end of the fitting, small pieces can enter the sensor and prevent the turbine from spinning.

All Siogreen units are shipped with a small screen that fits in the cold water inlet connection. Sometimes that screen gets stuck in the blue cap when you remove it. Be sure to check for the screen and install it. This will prevent most of the debris issues. After you install the unit, be sure to flush the unit completely and recheck this screen for debris.

The typical indicator of a flow sensor issue is the Run Time Indicator. If the timer is not advancing when the hot water faucet is turned on, there is probably an issue with the flow sensor.





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