



SioGreen Quartz Infrared Electric Tankless Water Heaters

SioGreen Pro Series – No Maintenance!

What makes this technology different?

No Metal Heating Elements – No Corrosion – No Maintenance



The difference between the **SioGreen Infrared Tankless** design and the technology that's been in existence for over 100 years, 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 water through a maintenance free heat exchanger.

The SioGreen Quartz Infrared Electric Tankless Water Heaters are unlike anything on the market. We have eliminated the number one cause of water heater failure...metal heating elements. Instead, water flows through banks of four **quartz heat exchanging elements**: clear tubes with a patented nanotech carbon coating that conducts and accelerates infrared energy. When you put power to the unit, the internal temperature of the tube heats up to 275° F in a matter of seconds!



Typical electric water heaters utilize **metal heating elements** to heat water in a large storage tank. The metal elements attract minerals in the water and develop a corrosive scale that reduces the efficiency of the water heater. If you don't spend hundreds of dollars each year to flush and descale the water heater, it will eventually fail. In addition, electricity is also used during the day and night to maintain the temperature of the water in the tank whether you are using it or not.

In most electric **tankless** designs, water flows past similar metal heating coils to produce the on-demand hot water. But the concept and problems are the same. The common problem is that the water is still in contact with the heated metal elements that will eventually develop corrosion and scale. In time, the elements will need to be replaced.



The **SioGreen** Performance Difference

24,637 Hours...that's 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 220 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 220 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 220 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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