



# 208V RADIANT HEAT

MICROPROCESSOR FLOW & TEMPERATURE CONTROL

## ELECTRIC TANKLESS WATER HEATERS

### SIGNATURE SERIES 4 CH MODELS:

Model	Voltage	kW	BTU	AMPS
SH-14-4*	208	10.5	35,800	50.5
SH-18*	208	13.5	46,100	64.9
SH-22*	208	16.5	56,300	79.3
SH-28*	208	21.0	71,700	101.1
SH-28-208	208	28.0	95,600	134.6

\*240 V Models operating at 208V



**APPLICATIONS:** Ideal for use in residential and commercial applications for hydronic space heating and potable water heating. Suited for radiant floor heating, baseboard, hydro-heat pump and snow melting systems. With optional equipment, it can be used as a single heat source in combination systems for potable hot water and radiant heating. Designed as whole house alternatives to traditional tank type water heaters or for use as supplements to renewable energy systems including solar and geothermal.

### **FEATURES:**

- Digital microprocessor control provides precise temperature and flow control without flicker or other power quality issues
- UL 834 Listed for Space Heating Applications
- Activates at less than 0.30 GPM
- Standard ¾" NPT plumbing connections with no flow restrictions
- Saves energy: Activates only on demand
- Compatible with all plumbing designs including recirculating, tubing and manifold systems
- Water level detect – No more heating element burnout
- Uses standard field-replaceable immersion heating elements
- Self-diagnostics including leak detection shut-down
- High performance DuPont™ Zytel® nylon chamber material
- Rugged DuPont™ Crastin® PBT polyester case
- Rust & corrosion resistant
- UL Classified in accordance with NSF/ANSI 372 to meet or exceed all current lead in drinking water requirements
- Ten Year Limited Warranty (Chamber Body guaranteed against failure for three years. Circuit board for 18 months. See written warranty for complete details)

**SIGNATURE SERIES 240V RADIANT HEAT 4CH MODELS:**

Model	Voltage	kW	Option 1: Two Breakers <sup>3</sup>		Option 2: Four Breakers		Temperature Rise °F at GPM			
			Breaker AMP <sup>2</sup>	Wire cu AWG <sup>2</sup>	Breaker AMP <sup>2</sup>	Wire cu AWG <sup>2</sup>	2	2.5	3	5
			SH-14-4*	208	10.5	40	8	20	12	36
SH-18*	208	13.5	40	6	20	12	46	37	26	18
SH-22*	208	16.5	50	6	30	10	56	45	32	23
SH-28*	208	21.0	60	6 <sup>1</sup>	30	10	72	57	41	29
SH-28-208	208	28.0	70	6 <sup>1</sup>	40	8	82	66	47	33

\*240 V models operating at 208V - All breakers are 208V double pole breakers – No Neutral Required

<sup>1</sup> Use copper cable rated for 75°C or greater

<sup>2</sup> CONSULT NEC AND LOCAL CODES FOR FINAL DETERMINATION ON ALL BREAKER AND WIRE SIZING

<sup>3</sup> Requires installation of jumpers on circuit board (included)



**Specifications:**

**Mounting Holes:**

A: 14 3/4" (362mm)

B: 16 1/8" (410mm)

Weight: 23 lbs. (10.4 kg)

Height: 15 3/4" (400 mm)

Width: 15 3/4" (400 mm)

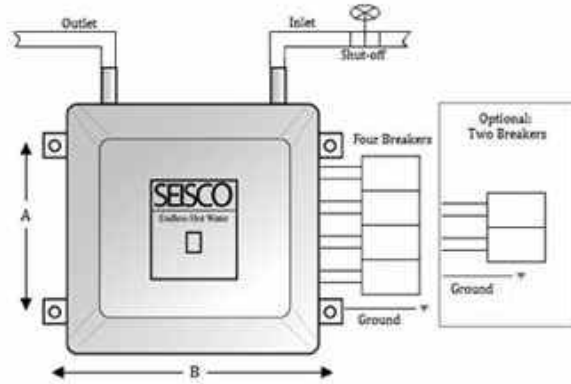
Depth: 6 1/4" (159 mm)

Fittings: 3/4" NPT

Thermal Efficiency: 96%+

Temp. Output (dial): 90°F to 130°F (32°C - 52°C)

Factory Temp Setting: 120°F (49°C)



**SUGGESTED WRITTEN SPECIFICATION**

Seisco tankless water heater model \_\_\_\_\_ as manufactured by Seisco International Limited, shall have a 10-year limited warranty\*. Heaters shall have a rated input of \_\_\_\_ KW at \_\_\_\_ Volts. Electrical control of the heater must be accomplished using an integrated microprocessor that uses thermistors for sensing temperature and flow. Heater shall have patented internal mixing to avoid scalding. Heaters shall include water level sensing and temperature control via the microprocessor, and automatic high temperature shutoff. Heaters shall have built-in self-diagnostics with an LED and speaker and must visually and audibly signal the status of all monitored functions. Heaters shall have built-in water leak detection with shutdown. All water passages must be constructed of high temperature resistant DuPont® resin. Clean-out access for removing sediment must be provided without removing plumbing connections or electrical connections. Seisco is UL 834 approved and also classified in accordance with NSF/ANSI 372.

\*Limited Warranty-See written warranty for details.

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Job Name: \_\_\_\_\_

Location: \_\_\_\_\_

Contractor: \_\_\_\_\_

Rep: \_\_\_\_\_

Specifications: \_\_\_\_\_