



240V RESIDENTIAL

MICROPROCESSOR FLOW & TEMPERATURE CONTROL

ELECTRIC TANKLESS WATER HEATERS

SIGNATURE SERIES 240V 4 CH MODELS:

Model	Voltage	kW	AMPS
RA-18	240	18	75.0
RA-22	240	22	91.7
RA-28	240	28	116.7
RA-32	240	32	133.4



APPLICATIONS: Ideal as whole house alternative to traditional tank type water heater or for use as a supplement to renewable energy systems including solar and geothermal. Suitable for single and multi-family dwellings. For extreme requirements multiple units can be installed in parallel or unit can be connected to outlet of standard tank water heater to provide continuous hot water after peak requirement is met. Compact size, requires no venting, can be mounted closer to point of use to save wait and water.

FEATURES:

- Digital microprocessor control provides precise temperature and flow control without flicker or other power quality issues
- UL 499 Listed for Water Heating Applications
- Activates at less than 0.30 GPM
- Standard ¾" NPT plumbing connections with no flow restrictions
- Saves energy and water: 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 RESIDENTIAL 4CH MODELS:

Model	Voltage	kW	Option 1: Two Breakers ³		Option 2: Four Breakers		Temperature Rise °F at GPM			
			Breaker AMP ²	Wire cu AWG ²	Breaker AMP ²	Wire cu AWG ²	2	2.5	3	5
RA-18	240	18	40	8	20	12	61	49	41	25
RA-22	240	22	50	6	30	10	75	60	50	30
RA-28	240	28	60	6 ¹	30	10	96	76	64	38
RA-32	240	32	70	6 ¹	40	8	109	87	73	44

All breakers are 240V double pole breakers – No Neutral Required

¹ Use copper cable rated for 75°C or greater

² CONSULT NEC AND LOCAL CODES FOR FINAL DETERMINATION ON ALL BREAKER AND WIRE SIZING

³ 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)

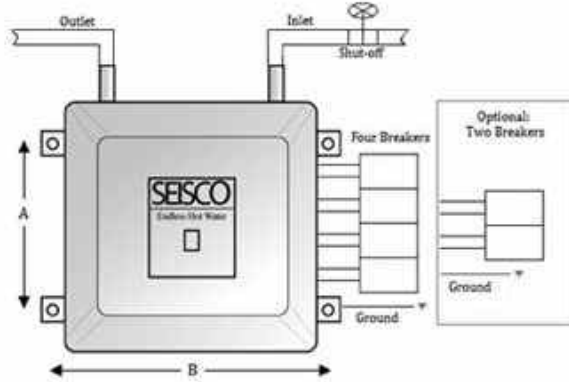
Depth: 6 1/4" (159 mm)

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 499 approved and also classified in accordance with NSF/ANSI 372.

*Limited Warranty-See written warranty for details.

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Engineer/Architect: _____
 Job Name: _____
 Location: _____
 Contractor: _____
 Rep: _____
 Specifications: _____