



# RESIDENTIAL (RA)

MICROPROCESSOR FLOW & TEMPERATURE CONTROL

## ELECTRIC TANKLESS WATER HEATERS

Single Phase 240 & 208 V				Wire	Breaker	Temperature Rise @ GPM			GPM @ ΔT		
Model	Voltage	kW	AMPS	cu AWG	Amps	Qty.	1.5	2.5	3	35	70
<b><u>One Chamber</u></b>											
RA-14-240	240	14.0	58.3	*	60	1	64	38	32	2.7	1.4
	208	10.5	50.5	6	60	1	48	29	24	2.0	1.0
RA-16-240	240	16.0	66.7	8	40	2	73	44	36	3.1	1.6
	208	12.0	57.7	*	60	1	55	33	27	2.3	1.2

\* Maximum recommended wire size is #6 cu AWG - Use conductors rated for 75°C or greater

### FEATURES:

- Digital microprocessor control provides precise temperature and flow control without flicker or other power quality issues
- Activates at less than 0.30 GPM - Saves energy and water: Activates only on demand
- UL listed and tested to UL499 Appliance and more stringent UL834 Space Heating standard
- Control tested by UL to meet temperature limit control requirements of UL 353 and CSA C22.2
- Standard ¾" NPT plumbing connections with no flow restrictions
- Compatible with all plumbing designs including recirculating, tubing and manifold systems
- Optional Load Shedding Interlock Relay allows whole house models to be installed in most applications with no increase in electrical service to residence
- Uses field-replaceable immersion heating elements
- Dry-Fire Protection – cannot dry fire elements
- Self-diagnostics including leak detection shut-down and Water level detect – No more heating element burnout
- Constructed of DuPont Engineering Polymers for strength and reduction of scaling potential
- UL Listed and certified to ANSI 61 and 372 to meet or exceed all current lead in drinking water requirements
- Ten Year Limited Warranty (See written warranty for complete details)



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Model	Voltage	kW	AMPS	cu AWG	Amps	Qty.	1.5	2.5	3	35	70
<b><u>Two Chamber</u></b>											
RA-14-2	240	14.0	58.3	*	60	1	64	38	32	2.7	1.4
	208	10.5	50.5	6	60	1	48	29	24	2.0	1.0
RA-16-2	240	16.0	66.7	8	40	2	73	44	36	3.1	1.6
	208	12.0	57.7	*	60	1	55	33	27	2.3	1.2
RA-18-240	240	18.0	75.0	8	40	2	82	49	41	3.5	1.8
	208	13.5	64.9	8	40	2	61	37	31	2.6	1.3
RA-22-240	240	22.0	91.7	6	50	2	100	60	50	4.3	2.1
	208	16.5	79.3	8	40	2	75	45	38	3.2	1.6
RA-24-240	240	24.0	100.0	6	50	2	109	66	55	4.7	2.3
	208	18.0	86.5	6	50	2	82	49	41	3.5	1.8
RA-28-240	240	28.0	116.7	*	60	2	127	76	64	5.5	2.7
	208	21.0	101.0	6	60	2	96	57	48	4.1	2.0

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Model	Voltage	kW	AMPS	cu AWG	Amps	Qty.	1.5	2.5	3	35	70
<b><u>Four Chamber</u></b>											
RA-18-4	240	18.0	75.0	8	40	2	82	49	41	3.5	1.8
	208	13.5	64.9	8	40	2	61	37	31	2.6	1.3
RA-22-4	240	22.0	91.7	6	50	2	100	60	50	4.3	2.1
	208	16.5	79.3	8	40	2	75	45	38	3.2	1.6
RA-28-4	240	28.0	116.7	*	60	2	127	76	64	5.5	2.7
	208	21.0	101.0	6	60	2	96	57	48	4.1	2.0
RA-32-240	240	32.0	133.3	*	70	2	146	87	73	6.2	3.1
	208	24.0	115.4	*	60	2	109	66	55	4.7	2.3
RA-28-208	208	28.0	134.6	*	70	2	127	76	64	5.5	2.7

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## Specifications:

	1CH	2CH	4CH
Weight	9 lbs. (4 kg)	15 lbs. (7.0 kg)	23 lbs. (10.4 kg)
Height	7 1/2" (190.5 mm)	16 1/8" (410mm)	16 1/8" (410mm)
Width	15" (381.0 mm)	10 7/8" (276mm)	15 3/4" (400 mm)
Depth	6 1/2" (165.1 mm)	6 1/4" (159 mm)	6 1/4" (159 mm)

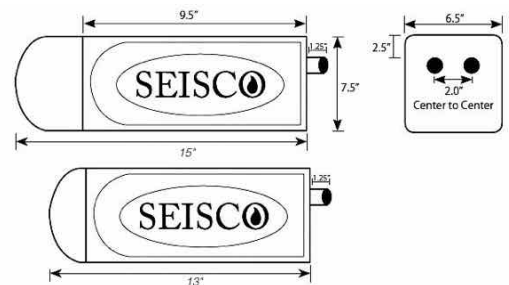
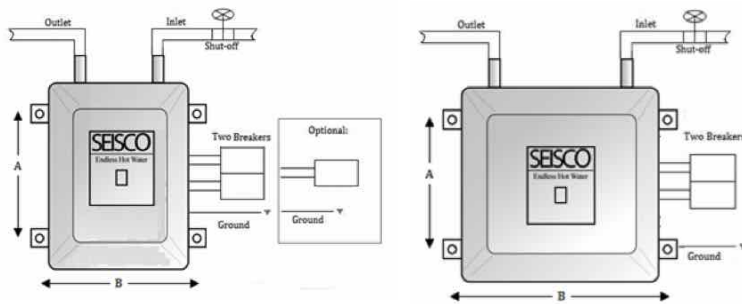
Fittings: 3/4"NPT

Power: 208-240V, 50/60Hz

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, shall have a 10-year limited warranty. Heater shall have a rated input of \_\_\_\_ kW at \_\_\_\_ Volts. Heater shall be UL listed and tested to UL 499 Small Appliance standard *and* more stringent UL 834 Space Heating/Small Boiler standard and meet both NSF/ANSI 61 and 372. Electrical control of the heater must be accomplished using an integrated microprocessor that uses thermistors for sensing both temperature and flow. Heaters shall include water level sensing and temperature control via the microprocessor. Automatic high temperature shutoff shall be accomplished using its control tested by UL to meet the temperature limit control requirements of UL 353 and CSA C22.2. 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 automatic heating shutdown. Heater must have easy clean-out access for removing sediment.

*\*Limited Warranty-See written warranty for details.*

### JOB SUBMITTAL FORM:

Engineer/Architect: \_\_\_\_\_

Date: \_\_\_\_\_

Job Name/Customer: \_\_\_\_\_

Phone: \_\_\_\_\_

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

Date Required: \_\_\_\_\_

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

Phone: \_\_\_\_\_

### Water Heater Specifications:

Item: \_\_\_\_\_ Qty.: \_\_\_\_\_ kW: \_\_\_\_\_ Voltage: \_\_\_\_\_ Amperage: \_\_\_\_\_



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## APPLICATIONS:

Endless hot water replacement for traditional tank style water heaters in single and multi-family dwellings. Energy efficient supplement to renewable energy systems including solar and geothermal in zero net energy homes, add only the incremental energy necessary for the hot water actually used.

For specialized requirements multiple units can be installed in parallel, units can be installed downstream closer to clusters of fixtures to save wait and water, or unit can be added at the hot water 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. Suitable for use with pre-heated water and recirculating designs. *Visit [Seisco.com](http://Seisco.com) for more information.*

*Seisco founder and CEO, David Seitz spent over 30 years in real estate financing, development and construction. Seisco has been in business through a succession that began in 1986. Its first patent was filed in 1993 and followed by a strategic relationship with DuPont in 1994 that continues today.*

*Seisco was the first electric tankless to be recognized as a suitable replacement for a storage tank heater, the first tankless water heater to be accepted under HUD regulations for manufactured housing and over a period of 9 years received very special recognition from several federal government agencies including PATH; HUD; The NAHB research center; the National Renewable Energy Lab (NREL); the TVA; the DOE and EPRI. Seisco was recently chosen as the water heating partner for the new \$6.8 billion Midfield Terminal Complex at the Abu Dhabi Airport.*

*Seisco manufactures its tankless products at its factory in Houston, Texas from content sourced primarily from US suppliers with final assembly under NAFTA at its plant in Guadalajara, Mexico qualifying them as a "Buy American" product.*

*Visit [Seisco.com](http://Seisco.com) for more information.*