

SEISCO® TANKLESS ELECTRIC WATER HEATERS

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www.seisco.com

RESIDENTIAL

COMMON 240 VAC APPLICATION LISTINGS: UL 499, UL CSA, ANSI

INSTALLATION

Dimensions (inches): **RA-28** (or RA-22) 15 34 X 15 34 X 6 1/4

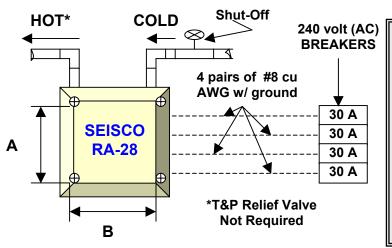
Water Fittings

Inlet: ¾ inches Outlet: 3/4 inches

Mounting Holes

A - 14 1/4 inches

B - 16 1/8 inches



ELECTRICAL

Main panel or Sub-panel for the RA-28 requires 8 single spaces for four (4) double-pole, 30 amp, 240 VAC breakers. RECOMMEND **200 AMP HOUSE SERVICE**

SEISCO MODEL SELECTION (Hot Water For The Whole House, Apartment or Condo)

AREAS WITH GROUND WATER > 55°F

Families 4 or less:

- 1) With Standard Faucets* use an RA-22 or RA-28.
- 2) In homes having Spa-tubs use:
 - a) one RA-28, or
 - b) two RA-18's plumbed in parallel, or
 - c) one RA-18 in the Master Bath plumbed in series with the primary whole-house RA-28.

Large Families and/or large homes:

1) Use two RA-18's or two RA-22's in parallel.

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Refer to the Seisco Product Guide, Sections 2 & 4, for more detail on Model Selections and Applications.

FEATURES

- AN ENDLESS SUPPLY OF HOT WATER!!*
- **HEATS WATER ONLY WHEN YOU NEED IT!!**
- Very Small & Compact (15" X 15")
- **Light Weight**
- **Microprocessor Control**
- **Power Sharing Technology**
- **Continuous Venting**
- **No Moving Parts**
- No Restriction To Flow
- **Self-Diagnostics**
- **Redundant Safety Devices**
- **Heating Chamber-Made of High Performance Polymer Nylon Material**

BENEFITS

- SAVES ENERGY /SAVES MONEY!!
- No Tank to Fill or Drain
- **Saves Space**
- **Accurate Temperatures**
- **Rust & Corrosion Free**
- **Standard Style Heating Elements**
- **Maintains Available Flow**
- **SAFER Prevents Scalding**
- **Versatile Application**
- **Reduces Service Costs**
- **Easy & Simple to Maintain**
- **Reduces Scaling & Sediment** Build-Up

WARRANTY

- 10 Year Limited
- 3 Years Materials & Workmanship on Chamber & Control **Board**
- 1 Year on Heating Elements
- **First 3 Months** on Service Labor Reimbursement
- (Refer to Mfg. Warranty for details)

^{*} Standard Faucets in a home use from 1.0 to 3.0 gallons per minute (GPM).

^{*} Maximum system flow will depend on design & model selection.

SEISCO FLOW RATES, TEMPERATURE RISE & HEAT RATINGS **Heat Output** Max. GPM for Seisco Rating Temp. Rise Temp. Rise Temp. Rise Temp. Rise Temp. Rise Model (BTU) 42° - 120°F 50° - 120°F 55° - 120°F 60° - 120°F 65° - 120°F RA-9 30,710 0.7 0.9 1.0 1.1 1.2 **RA-11** 37,540 1.0 1.1 1.2 1.3 1.4 **RA-14** 47,780 1.2 1.4 1.5 1.6 1.7 **RA-18** 61,430 1.5 1.8 2.0 2.2 2.4 2.0 2.2 2.4 **RA-22** 75,080 2.6 2.8 2.5 3.0 **RA-28** 95,560 2.8 3.2 3.4

GPM = Gallons per minute (Flow Rate) Note: Increasing the temp. output from 120°F will reduce the max. GPM at the higher temp. but will not change the total GPM of tempered water (hot & cold mix).

SEISCO RA-28 OPERATING COST COMPARISONS (US)

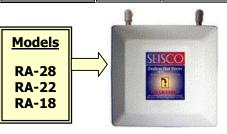
Average Assumptions Used:
Hot Water Use - 64 gals./day
Electric Rate - 8.4 ¢/kWh
Natural Gas Rate - \$0.90/therm
Propane Gas - \$1.35/gal.

	SEISCO RA-28	50 Gal. Electric Tank	50 Gal. Natural Gas* Tank	75 Gal. Natural Gas* Tank	50 Gal. Propane Gas* Tank
)	\$270 /yr.	\$380 /yr.	\$387 /yr.	\$452 /yr.	\$563 /yr.

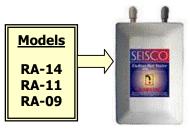
*Stack or Vent Losses from most gas water heaters, depending upon location, result in substantial loss of conditioned air. Air in your home that you have paid to heat or cool. For installations of these gas fired heaters, including gas fired tankless heaters installed within the living area, including basements, you should add to these estimated costs at least \$100 annually to allow for the expense of the loss of conditioned air.

SEISCO MODEL SPECIFICATIONS

Seisco Model	Weight (LBS)	Height (INCHES)	Width (INCHES)	Depth (INCHES)	Plumbing Fittings (INCHES)	Heating Elements (WATTS X NO.)	Energy Factor
RA-9	15	15 ³ / ₄	10 1/4	6 1/4	3/4	4500 X 2	0.99+
RA-11	15	15 ³ / ₄	10 1/4	6 1/4	3/4	5500 X 2	0.99+
RA-14	15	15 ³ / ₄	10 1/4	6 1/4	3/4	7000 X 2	0.99+
RA-18	23	15 ³ / ₄	15 ³ / ₄	6 1/4	3/4	4500 X 4	0.99+
RA-22	23	15 ³ / ₄	15 ³ / ₄	6 1/4	3/4	5500 X 4	0.99+
RA-28	23	15 ³ / ₄	15 ³ / ₄	6 1/4	3/4	7000 X 4	0.99+









SEISCO ELECTRICAL RATINGS

	Maximum	Voltage	Maximum	Number of	Number of Circuit	Circuit	
Seisco	Power Rating	Rating	Current Rating	Circuits Required	Breakers Required	Breaker Size	
Model	(kW)	(VAC)	(AMPS)	(Two Wire)	(Double Pole)	(AMPS)	
RA-9	9	240	37.5	1	1	40	
RA-11	11	240	46	1	1	50	
RA-14	14	240	58	2*	2*	30	
RA-18	18	240	75	2	2	40	
RA-22	22	240	91	2	2	50	
RA-28	28	240	116	4**	4**	30	

^{*}Contact Microtherm for equipment necessary to accept one 60 Amp Circuit**Contact Microtherm for equipment necessary to accept two 60 Amp Circuits