

Which Seisco is Right For Me?

"How much hot water do I need?"

Assuming your home is standard with 2.5 gpm showers, and no unusually high volume multi-head showers, the National Association of Home Builder's Research Center did a study in 2003 that demonstrates your water heating requirements can easily be satisfied with a tankless water heater capable of producing 120°F hot water continuously at 3-3.5gpm (180 gal./hr.). Hot water demand in excess of these flow rates occurred less than 2% of the total time and could have been corrected by simply turning off one of the simultaneous use fixtures.

What are the disadvantages of a tankless water heater versus storage tank?

None! But, there are some trade offs. The time it takes to fill your tub may be slightly longer, or the number of showers that you can take at the same time may be different.

How long will it take to fill my tub?

Tub faucets can be designed with very high flow rates. With a tank water heater, the maximum flow rate can be obtained for a short period of time before the water turns cold. With a Seisco®, it may take slightly longer to fill the tub at a lower fill rate, but it can immediately be refilled as often as desired.

| Model | Tub Capacity (Gallons) | Fill Time With 57°F Inlet Water | Fill Time With 65°F Inlet Water |
|----------------|------------------------|---------------------------------|---------------------------------|
| 50-Gallon Tank | 40 | 5 minutes | 5 minutes |
| 50 Gallon Tank | 60 | 8 minutes | 8 minutes |
| Seisco RA-28 | 40 | 10 minutes | 12 minutes |
| Seisco RA-28 | 60 | 14 minutes | 12 minutes |
| Seisco RA-32 | 40 | 8.3 minutes | 7 minutes |
| Seisco RA-32 | 60 | 12.5 minutes | 10 minutes |

¹-57°F is the temperature the Department of Energy used for efficiency testing.

How long can the water heater provide hot water for 2 showers running simultaneously?

| Model | Time @ 57F Inlet Water | Time @ 65F Inlet Water |
|----------------|---------------------------|---------------------------|
| 50-Gallon Tank | 8 minutes | 16 minutes |
| Seisco RA-28 | N/A ² | Indefinitely ³ |
| Seisco RA-32 | Indefinitely ³ | Indefinitely ¹ |

¹-Standard 2.5 gpm at 104°F. ²-One shower plus sink indefinitely during colder periods or with cold well water. ³-2 gpm shower at 104°F.

Endless Hot Water...

What Does It Mean?

It means a continuous supply of hot water within the limits of the application's design.

SEISCO® whole house water heaters are designed to easily satisfy the needs of the majority of homes.

Multi-Head Shower Systems

Seisco® can efficiently accommodate multi-head showers by either using multiple units plumbed in parallel or by installing a Seisco® in conjunction with a storage tank.

Final model selection often depends on personal lifestyle preferences. For example, although seldom do five showers run simultaneously in a home, some consumers want the ability to do so. The system must be sized accordingly.

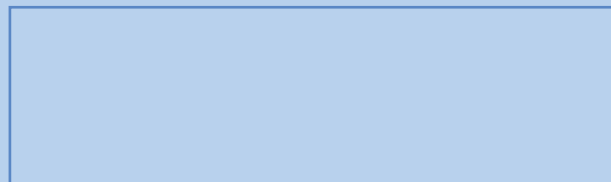
Two methods are used to meet special consumer preferences. The desired maximum flow rate can be calculated and one or more Seisco® units employed to meet the maximum flow demand, or a Seisco® can be combined with a storage tank or tank water heater. (Microboiler™ design)

Our technicians will help you design a system that is perfect for your application.

Note: The basic requirements for installing a whole house Seisco® tankless electric water heating system are a 150 amp. electrical service and two to four breaker positions in the breaker box. For more information concerning electrical requirements, consult with your salesperson or call SEISCO International Limited.



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The Advantages Of



Tankless Electric Water Heaters



- ... Endless Hot Water
- ... More Usable Space
- ... Lower Electric Bills
- ... Superior Technology
- ... Superior Reliability



More Usable Space

Reclaim space used for your current water heater or enjoy an extra closet in your new home. 5-14kW models are only 10" W X 16" H X 6" D. 18-32KW models are only 16" W X 16" H X 6" D. Install your Seisco almost anywhere.



SEISCO

Superior Technology and Reliability

SEISCO

10-Year Limited Warranty* - Due to superior construction, Seisco's warranty is 67% longer than a standard tank type water heater's 6-year warranty. Seisco's internal water passages are constructed of a rugged DuPont® nylon and can last more than twice the length of the warranty.

Microprocessor Controlled - With on-board computer logic, Seisco's microprocessor provides accurate temperature control to avoid uncomfortable temperature variations, self-diagnostics to make servicing easy, a water leak detector to shut down the water heater and sound an alert should a leak occur, and power sharing to the heating elements to prolong heating element life.

Thermistor Temperature Sensing - Five immersion temperature sensors, like those commonly used in expensive commercial water heaters, provide accurate readings to the microprocessor control to facilitate extremely accurate temperature control and to prevent sudden changes in water temperature while you shower.



PowerShare™ Technology - Seisco uses only the power necessary to heat the amount of water being used. Seisco's microprocessor uses electronic triacs to adjust the amount of heat produced by the heating elements from 1-100%. In fact, most of the time, Seisco is operating well below its maximum heating capacity. This also helps prevent harmful scale build-up and reduces heating element failures.

Flow Sensing Without A Switch - Since Seisco senses water flow by using very accurate electronic sensors, the need for a mechanical flow switch is eliminated. Flow switch failure is a common service issue associated with other tankless water heaters.

Standard Heating Elements - Seisco uses heating elements like those found in standard tank type electric water heaters making replacement simple, no special parts to purchase and no special skills required.

Easy to Service - Although seldom required, cleanout plates on the bottom of the Seisco allow quick easy access for removing sediment or sand. Seisco's self-diagnostic control and an LED light identify service issues through a series of flashes. An audible beep can be used by Seisco's customer service department to diagnose issues over the phone.