

Smurfit-Stone Container, North America  
Montgomery, Alabama



## Smurfit-Stone Comes Unglued With Boiler Effects

### MODEL C85e TANKLESS WATER HEATER



Smurfit-Stone Container, North America's premier packaging company, has over 100 box plants across the country. Their plant in Montgomery, AL found they were experiencing problems with their traditional water heating boilers. The steam from the boilers was heating the adhesive chemicals in the glue used to seal the boxes they manufacture. This issue was reducing efficiency at the plant as well as wasting energy, chemicals, time and money.

After hearing about Rinnai on the nationally-syndicated Paul Harvey radio show and reading testimonials about the

benefits of Rinnai Tankless Water Heaters, Lewis Myrick, the Maintenance Manager of the Montgomery Smurfit-Stone plant, felt Rinnai would be the optimal choice to replace their existing boiler system. In 2003, the plant removed the traditional boilers and replaced them with six Rinnai C85e model Tankless Water Heaters.

#### Why Rinnai?

"The steam used a lot of energy from our boilers and we were throwing away the chemicals used in our boiler process," stated Myrick. "It was almost impossible to control without high maintenance costs. It had gotten to the point of every couple of weeks the boiler was down, and we had to repair it in order to make the hot water needed for our operations."

The Rinnai tankless units allow the plant to set the temperature for the water and walk away knowing that the water will remain at a constant temperature. This has given

Myrick the opportunity to spend more time on other projects around the plant.

#### Return on Investment

The installation of the Rinnai tankless units at the plant has provided substantial energy cost savings and lowered maintenance responsibilities and expenditures. The lower adhesive costs and natural gas costs have also proven to be a welcome change.

"Smurfit is happy with the installation of the Rinnai tankless units because they have lowered their operational expenses," stated Jim Tilley of Energen Company, the gas utility provider for Smurfit-Stone Container. "In addition to the energy savings, the tankless water heaters do a better job of maintaining water temperature in the glue process."

#### Project Summary

After countless repairs and costly gas and chemical bills, Smurfit-Stone Container's Montgomery, Alabama plant decided to remove their traditional boilers and install six C85e-model Rinnai Tankless Water Heaters. The Rinnai units have proven to not only maintain the water temperature needed in making the glue for their products, but the energy savings have been significant. Rinnai's reliability and low maintenance have made Smurfit-Stone "very happy with the installation."

## MODEL C85e TANKLESS WATER HEATER

### THE RINNAI ADVANTAGE

- Continuous Hot Water Delivered up to 8.5 GPM
- Digital Control for Consistent Temperature
- Energy Efficient up to .83 EF LP
- Wall-Mount Compact Design for Increased Space-Savings
- Flexible options for Interior or Exterior Installation

Rinnai's innovative tankless technology offers an endless supply of hot water through multiple outlets simultaneously. No matter what your hot water requirements are, the Rinnai can be configured to handle the job. Call or E-mail us with your application.



Rinnai is continually updating and improving products; therefore, specifications are subject to change without prior notice. Local, state, provincial and federal codes must be adhered to prior to and upon installation.

### MODEL C85e

#### FEATURES

- Exterior Installation
- No Pilot Light - Direct Electronic Ignition
- Available for either Natural Gas or Propane
- Certified to ANSI Z21.10.3 Standard by CSA International (formerly AGA Laboratories)
- 98 to 185°F Settings
- Digital Display for Precise Temperature Control and Diagnostics

#### CABINET

- Heavy Gauge, Textured, Gray Powder Coated Cabinet

#### VENTING

- Exterior, No Venting Required

#### WARRANTY

- Exceptional 5-Year Limited Warranty On The Heat Exchanger
- 5-Year Limited Warranty On All Other Parts

#### Exterior Commercial Model

	C85e
Appliance Type	Temperature Controlled Continuous Flow Gas Hot Water Heater
Dimensions	14" W x 24" H x 9" D
Weight	46 lbs
Maximum/Minimum Gas Rate (Input BTU's)	199,000/15,000
Hot Water Capacity Range	0.6 to 8.5 GPM
Gas Type	Natural Gas (NG) or Propane (LP)
Energy Factor	.82 NG / .83 LP
Thermal Efficiency	84% NG/85% LP
Temperature Range (Min - Max)	98° F - 185° F
Standard Digital Controller	MC-91-1, Optional MC100V or BC-100V
Operation	With or without controller
Connections	Gas Supply 3/4" MNPT Cold Water Inlet 3/4" MNPT Hot Water Outlet 3/4" MNPT

CONTACT YOUR LOCAL AUTHORIZED DEALER

FOR MORE INFORMATION ON RINNAI PRODUCTS

## Rinnai Corporation

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