

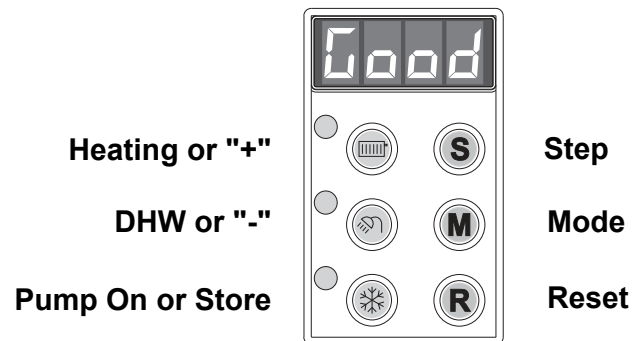
Technical Bulletin 118-Bypassing De-aeration Program on Rinnai Boilers

The purpose of this technical bulletin is to provide a method for bypassing the 17 minute boiler de-aerate program for the service technician. The boiler runs this program whenever it is first connected or reconnected to electrical power. De-aeration is also triggered when the boiler detects the system pressure has dropped below 10 psi. This program is an effective method of purging air from the boiler after the system has been filled or serviced. While the boiler is running de-aerate program it will show "A" and a random 3 digit number on the display.

Never bypass de-aeration during commissioning or if the system pressure has dropped below 10 psi. If there is **any chance that air has entered the system, de-aeration is critical to prevent damage to the boiler.** But a technician servicing or troubleshooting the boiler may turn off power for certain tasks that do not involve system pressure, and this bypass method will avoid the 17 minute wait when the power to the boiler is restored.

WARNING

DO NOT bypass the de-aeration program during commissioning or if any part of the system has been opened or disconnected. Failure to properly de-aerate the boiler and system may result in damage to the boiler. This damage will not be covered by the boiler warranty.



De-aerate Program Bypass Method

STEP 1 Press the MODE button for 5 seconds (refer to control diagram above)

The display shows COdE followed by a random 3-digit number

STEP 2 Press by means of the + or the - button until the code C123 is shown

STEP 3 Press the STORE button to confirm. Display will blink once.

Now you have entered to the installer menu. There are 4 chapters:

- **PARA** Parameters
- **INFO** Information chapter (no adjustments possible)
- **SERV** Service chapter
- **ERR** Error-chapter (no adjustments possible)

STEP 4 Press the MODE button to select PARA

STEP 5 Press and release the RESET button to end the de-aeration program

The boiler control will restart in normal operating mode

Rinnai America Corporation • 103 International Drive, Peachtree City, GA 30269

Toll-Free: 1-800-621-9419 • Phone: 678-829-1700 • www.rinnai.us

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