

# Rinnai

## GAS PRESSURE SETTING PROCEDURE

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*RCE-329A and RCE-429A Only*

*All settings/adjustments must be performed by a qualified Service Technician*

**NOTE: WITH THE UNIT IN THE OFF POSITION, PRESS THE BLUE TEST SWITCH ON THE TOP CORNER OF THE PCB BOARD. USING THE UP AND DOWN TEMPERATURE BUTTONS ON THE CONTROL, SELECT LP FOR PROPANE OR 13 FOR NATURAL GAS. PRESS THE TEST SWITCH AGAIN TO LOCK IN THE GAS TYPE.**

**THESE UNITS ARE PROGRAMMED FOR THE TYPE GAS ON THE RATING PLATE AND CAN NOT BE CONVERTED!!!**

**DO NOT** make adjustments in any mode other than the “PL” and/or “PH” mode of operation. Follow the procedure below, if “PL” or “PH” does not appear in the display. **DO NOT** make any adjustments. If you do not understand the following procedures, contact Rinnai for assistance at 1(800) 621-9419. This unit is designed to operate only on the gas type shown on the rating plate attached to the unit.

1. Next start the unit by pressing the “**ON/OFF**” button. Once the unit has fired, press the “**TEST**” button on the P.C. board twice. The **LED** indicator will display “PL”, low fire mode. With your manometer connected to the manifold pressure test port, record low fire manifold pressure. If the low fire pressure is incorrect, adjust it by the screw on top of the modulation valve. Once the pressure has been set, lock the adjustment screw down with the lock nut and then reconfirm the low fire manifold pressure.

Low fire pressure should be 0.5”WC (329A) or 0.4”WC (429A) on Natural gas.  
Low fire pressure should be 0.75”WC (329A) or 1.1”WC (429A) on Propane gas.

2. Next press the “**TEST**” button again. This will put you into the “PH” high fire mode. If the high fire pressure is incorrect, it can be adjusted by using the “▲” and “▼” buttons. Adjust high fire pressure to correct setting. After you have set unit to the correct manifold pressure, press the “**ON TIMER**” button to enter your setting into memory. Next press the “**ON/OFF**” button to exit the programming mode.

High fire pressure should be 3.9”WC (329A) or 3.9”WC (429A) on Natural gas.  
High fire pressure should be 5.2”WC (329A) or 7.2”WC (429A) on Propane gas.

3. Disconnect your manometer, replace test port plug, leak test unit, and check operation of the unit.