

Prime Modes & Methods for Today's Controls

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Beckett GeniSys – Model 7505

1. Prepare the burner for priming by attaching a clear plastic hose over the bleed port fitting and fully opening the pump bleed port.

NOTE: Use a suitable container to collect purged oil.

2. Initiate a call for heat.
3. When the burner starts, press and hold the reset button for 15 seconds until the yellow light turns on.

4. Release the button. The yellow light will turn off, and the burner will start again.

5. At burner start-up, tap the reset button within the first 10 seconds to enter *Pump Prime* mode. The yellow light will stay on.

6. Bleed the pump until all froth and bubbles are purged. If desired, hold the reset button to exit *Pump Prime* mode and return to *Standby*.

7. If necessary, repeat steps 4 and 5 until the pump is fully primed and the oil is free of bubbles.



Beckett GeniSys – Model 7565 & 7585

1. Prepare the burner for priming by attaching a clear plastic hose over the bleed port fitting and fully opening the pump bleed port.

Note: Use a suitable container to collect purged oil.

2. Initiate a call for heat.

3. After the burner starts, press and hold the **ACTION** button for 15 seconds until the yellow light turns on. This indicates that the button has been held long enough.

4. Release the **ACTION** button. The yellow light will turn off, and the burner will start up again.

5. At burner start up, click the **ACTION** button while the igniter is still on. This will transition the control to a dedicated *Pump Prime* mode. During this mode the motor, igniter, and valve are powered for four minutes. The **SYS** light will be solid yellow for the duration of *Pump Prime* mode.

6. Bleed the pump until all froth and bubbles are purged. If desired, terminate the call for heat or hold the **ACTION** button for at least one second to exit Pump Prime mode and return to *Standby*.

7. At the end of 4 minutes, **SYS** light will turn from yellow to green and the control will automatically return to *standby* mode.

8. If prime is not established during the four-minute *Pump Prime* mode, return to step 5 to re-enter *Pump Prime* mode. Repeat steps 5 through 7 until the pump is fully primed and the oil is free of bubbles.

9. Terminate the call for heat, and the control will resume normal operation.



Carlin ProX 70200

1. Prepare the burner for priming by attaching a clear plastic hose over the bleed port fitting and fully opening the pump bleed port. Use a suitable container to collect purged oil.

2. The 70200 control is equipped with a 120 second pump prime feature. To enter Pump Prime, there must be a Call for Heat.

NOTE: If a flame is present, the control will not enter Pump Prime mode.

3. To bleed the oil line, with Limit icon on, push and hold red Reset button for 10 seconds. The display will read Pump Prime.

4. The motor, valve and ignitor remain on for up to 2 minutes while in Pump Prime mode. To end Pump Prime mode, press the red Reset button.

NOTE: If flame is sensed, Pump Prime mode ends in 5 sec.

5. Pump prime cannot be entered when the control is in Lockout or Latch-up.



Honeywell R7284U Series Control

1. Prepare the burner for priming by attaching a clear plastic hose over the bleed port fitting and fully opening the pump bleed port.

Note: Use a suitable container to collect purged oil.

2. To facilitate purging air from the oil lines and filters, the R7284 can be placed in a purge routine by pressing and releasing the up-arrow button during the Trial for Ignition (TFI).

3. In the advanced interface *Pump Prime* is displayed on the display along with the time left on the TFI.

4. Pressing the up-arrow button adds a minute to the TFI time for a maximum of 10 additional minutes (press the up-arrow button 10 times). Pressing the down arrow button subtracts a minute from the TFI time.

5. There is no visual indication for the basic interface control, and the purge timing is limited to five minutes. This applies only to the R7284B control, which must be used in conjunction with a delayed oil valve.



Riello Burner

1. Prepare the burner for priming by attaching a clear plastic hose over the bleed port fitting and fully opening the pump bleed port.

Note: Use a suitable container to collect purged oil.

2. Turn off the power to the burner, loosen the electrode cover (curved cover) approximately one half inch.

3. Fully open the oil supply valve and open the bleeder fitting 1 full turn.

4. Start the burner, when you hear the solenoid valve click (energize) shine a light into the opening of the electrode cover.

5. When the pump is completely primed, turn off the burner, tighten the bleeder fitting and close the electrode cover.



For a Two-Line System Only:

There's an easier method or if you choose, you can just follow the steps 1-5.

1a. Prepare the burner for priming by attaching a clear plastic hose over the bleed port fitting and fully opening the pump bleed port. Use a suitable container to collect purged oil.

2a. Turn off the power to the burner, remove the primary control, and install a jumper between terminals 5 & 6.

3a. Fully open the oil supply valve and open the bleeder fitting 1 full turn.

4a. Restore power to the burner and allow it to run until you have a steady stream of fuel coming out the bleeder free of any air.

5a. Tighten the bleeder, turn the power off and remove the jumper from terminals 5 & 6, re-install the primary control, and turn the power back on.

