

Thermostat Calibration Check for Pitco 35C+

To check the calibration of your appliance, refer to the following procedure.

- a. Remove the tube rack from the tank.
- b. Place the tip of a digital thermometer probe in the shortening/oil approximately one inch above the temperature sensor.
- c. Set the thermostat to 325°F and allow the shortening/oil to come up to temperature. Watch the thermometer closely as the temperature rises.
- d. If the shortening/oil temperature reaches 350°F and the burners do not turn off, turn the thermostat down. Keep lowering the thermostat setting until the burners go out.

CAUTION

If the burners do not shut off at the LOWEST thermostat setting, the thermostat may be defective. Contact your local service company.

- e. Let the appliance cycle 4 to 6 times before checking the temperature. Compare the thermometer temperature against the thermostat setting. If the values are more than 5°F apart, calibrate the thermostat using the following procedure.

Thermostat Calibration for Pitco 35C+

For Millivolt Thermostats refer to the following procedure.

- a. Remove the tube rack from the tank and place the tip of a digital thermometer in the shortening/oil approximately one inch above the temperature sensor. Light the pilot as described in this manual, set the thermostat to 325°F and allow the shortening/oil to come up to temperature; let the appliance cycle 4-6 times to insure that the shortening/oil temperature has stabilized. Compare the thermostat setting of 325°F to the digital thermometer reading.
- b. Remove the thermostat dial by pulling the knob straight out. DO NOT rotate the dial.
- c. Holding the outside of the shaft so that it does not move, scrape away the sealing compound in the center of the shaft with a small flat blade screwdriver.
- d. Turn the adjustment screw clockwise to lower the thermostat's temperature setting or counterclockwise to raise it.

NOTE

One-quarter turn of the adjustment screw changes the temperature setting approximately 24°F

- e. Turn the adjustment screw until the burners come on at 325°F
- f. Replace the knob and allow the appliance to cycle 4 to 6 times. Check the temperature of the digital thermometer against the thermostat dial setting; if there is greater than a 5°F difference, repeat the calibration procedure