

# Thermo-Control®

The ultimate wood burning system.

## REPLACEMENT WATER HEATING COILS

The high quality stainless steel material which is manufactured into Thermo-Control water heating coils is a very tough material and can not be formed into such a tight bend as some materials such as black tubing. You may therefore need to spring the tube ends to fit the stove outlets.

If you are installing the top coil, be sure it is installed before installing the side coils. Also, the top coils have restraining bands on them. Leave them on **until** the water coil is installed. This will help you get the coil inside the stove door opening, and thru the holes in back. Sometimes it is a battle but it is well worth the effort as you probably will never have to replace another water coil. After installing - you may remove the band.

### **To Install the Top Coil:**

1. Place in the following order, (1) the spacer, (2) the top brace, (3) the bottom bracket and (4) the nut, loosely on the stud bolt which is welded to the **top** of the stove **inside** the stove. The bottom bracket must be placed with the vertical angle pointing **down**. Turn the brace and the bottom bracket so that they are **parallel** to the sides of the stove.
2. Remove the red plastic thread protectors from the pipe coil. Insert the coil diagonally through the stove door, level the coil and push the threaded ends through the 2 top hole in the back of the stove.
3. Lift the coil to a horizontal position toward the top of the stove and with the other hand turn the brace and bracket 90 degrees (perpendicular to the pipes) so that they support the 2 middle lengths of pipe in the coil. **NOTE:** The top brace must be **above** the pipe coil and the bottom angle bracket must be **below** the coil to support it.
4. Adjust the coil in the "front-to-back" direction so that approximately 4" of pipe extends out the back of the stove. Being sure that the swing plate at the front of the stove is able to swing freely, tighten the bracket nut until the whole assembly is **snug**.

### **To Install a Side Coil:**

1. Remove the red plastic thread protectors, slide the coil into the stove and place the threaded ends through the 2 side holes in the back of the stove.
2. Place the coil so that the bottom of the corresponding loop (depending on stove model) rests on the side angle bracket which is welded to the side of the stove.
3. Adjust the coil so that approximately 4" of pipe extends beyond the back of the stove.

### **To Install the Gasket and Flanges at the Back of the Stove and Secure the Coils:**

1. Wrap the (rope) gasket around the pipe, overlapping the gasket ends by 1/2" and push the gasket **tight to the back of the stove**.
2. Set the flanges over the threaded ends of the rope and the bolts.
3. Replace the original bolts to tighten snugly, compressing the gasket.

The Hot Water Coils are now ready for hook-up with a heating system or domestic hot water tank as described in the Manual.

**Warranty:** There is a five (5) year warranty on all water coils.