

**TANKLESS COIL CONVERSION KIT 550003211**  
**INSTRUCTIONS**  
**FOR EMPIRE WATER BOILER SERIES 3**

Kit installation shall be completed by qualified agency.

**⚠ WARNING**

Fire, explosion, asphyxiation and electrical shock hazard. Improper installation could result in death or serious injury. Read these instructions and understand all requirements, including requirements of authority having jurisdiction, before beginning installation. Installation not complete until appliance operation is verified per Installation, Operation & Maintenance Manual provided with boiler.

**⚠ CAUTION**

Laceration, burn hazard. Metal edges and parts may have sharp edges and/or may be hot. Use appropriate personal protection equipment to include safety glasses and gloves when installing or servicing this boiler. Failure to follow these instructions could result in minor or moderate injury.

<b>Tankless Coil Conversion Kit 550003211 includes:</b>		
<b>DESCRIPTION</b>	<b>PART #</b>	<b>QTY</b>
Tankless Coil	14627020	1
Tankless Coil Gasket	240007071	1
Control Well	240009283	1
Instructions	240011606	1

**Tankless Coil Conversion**

**⚠ WARNING**

Electrical shock hazard. Turn OFF electrical power supply at service panel.

1. Turn OFF power to boiler

**⚠ WARNING**

Burn hazard. Verify heat exchanger has cooled before servicing. Use appropriate personal protection equipment when servicing or repairing boiler.

2. Drain boiler.
3. Remove existing tankless coil cover plate and gasket from boiler. Clean mating surface of any left over gasket material.
4. Place new gasket on studs and install tankless coil.
5. Reinstall ten (10) hex nuts and tighten evenly in a criss cross pattern. Do not overtighten, could snap studs.
6. Place new control well in 3/4" tapping in tankless coil plate using thread compound. Manufacturer does not recommend using Teflon tape.
7. Move Hydrolevel limit control from control well in front supply tapping to control well in tankless coil. Make sure sensor bulb is fully inserted into new control well.
8. Set low limit to 150°F or other desired set point.
  - a. Low limit setting must be at least 10°F below high limit set point.
  - b. If low limit cannot be set above 140°F, remove jumper next to Z-I switch inside hydrolevel control.
  - c. Z-I switch should be in Z position for boilers with tankless coil.
9. Fill Boiler.
10. Restore power.
11. Resume operation using OPERATING INSTRUCTIONS found on Operating Instructions label on boiler or in Installation, Operation & Maintenance Manual.
12. Verify proper operation.