



# *Ultra Oil*

*Oil-Fired Water Boiler*

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## User's Information Manual



**WARNING** Read this manual carefully. Review with your boiler installer to ensure you understand what you must do to properly maintain your boiler. Keep this manual with the boiler.

**THE *UltraOil* WATER BOILER — OWNER RESPONSIBILITIES**

- 1. Have the boiler and burner installed by a qualified installer.**
- 2. Have the boiler and burner serviced at least annually by a qualified service technician.**
- 3. Review and understand boiler start-up and routine maintenance procedures with the service technician.**
- 4. Perform routine maintenance listed on page 3.**

## THE *UltraOil* WATER BOILER — OWNER RESPONSIBILITIES

### Operation

**DANGER** You must adhere to the following to avoid severe personal injury, death or substantial property damage.

#### Fuel

- Do not use crankcase drainings or any oil containing gasoline. See burner manual for proper fuel oil.
- Never burn garbage or paper in the boiler. Never leave combustible material around boiler.

#### Do not tamper with burner/controls

- Always follow specific instructions when starting up boiler or performing routine maintenance or service.

#### Do not start burner if:

- Do not attempt to start burner when excess oil has accumulated in combustion chamber, when unit is full of vapor, or when combustion chamber is very hot.
- Do not start burner unless breeching and burner mounting door are secured in place.

### Start-up

1. If burner does not fire, check and correct:
  - Is boiler ON/OFF switch on, and are all other switches feeding boiler turned on?
  - Is fuse or breaker tripped?
  - Is thermostat set above room temperature?
  - Are fuel valves turned on?
  - Is there enough oil in the oil tank?
2. If burner still does not fire, remove the burner cover and press the primary control reset button **ONLY ONCE**. DO NOT repeat, because oil will build up in the boiler chamber.

**DANGER** The burner must never be fired when oil is in the combustion chamber. Immediately call you qualified service technician.

3. If the burner still does not fire, call your qualified service technician.

### Maintenance

#### Beginning of heating season

- ❑ Call a qualified service technician to perform **annual service**.

#### Every day during heating season

- ❑ **Keep area free of combustible materials:** Check that boiler area is free of combustible materials, gasoline and other flammable vapors and liquids.

#### Every week during heating season

- ❑ Check for and remove any obstructions to flow of combustion or ventilation air to boiler.
- ❑ Check that breeching is attached between boiler and chimney. If breeching is loose or damaged, immediately turn off boiler ON/OFF switch and call your service technician to repair.
- ❑ Check for oil leaks in oil piping and around the burner. If found, immediately call your service technician to repair.
- ❑ Check for water leaks in boiler and piping. If found, immediately call your service technician to repair.

#### End of heating season

- ❑ Perform all above daily and weekly procedures. Call your service technician if any problems are found.

#### Boiler shutdown

- ❑ Do not drain boiler unless exposure to freezing temperatures will occur.
- ❑ Always keep manual fuel supply shut off if burner is shut down for an extended period of time. To do so:
  1. Turn off the ON/OFF switch on the boiler and any external switches feeding the boiler.
  2. Close fuel valves.
  3. Turn off water feed valve.
  4. Cover burner to protect from dust and moisture.

#### Report problems

- ❑ If you notice any unusual behavior of the boiler or system, contact your service technician to have the problem investigated and corrected.