



TO: All Weil-McLain Distributors and Agents
FROM: Mike Boyd – Product Marketing Manager
SUBJECT: **Upcoming Code Implementation - Energy Independence and Security Act of 2007**

As we start another exciting new year for Weil-McLain, we wanted to make you aware of a new code that will be implemented this fall and impacts ALL manufacturers of residential gas, oil and electric boilers.

Provided below is a quick synopsis of the upcoming requirements and a list of affected Weil-McLain models.

Product Requirements for ALL Residential Gas & Oil Boilers* (< 300,000 Btuh input)

- Eliminate all standing pilot ignition
- Meet minimum AFUE requirements
- Be IN PRODUCTION by September 1, 2012
- Update Boiler Controls
 - To provide automatic adjustment of boiler supply temperature to match demand (inferred heat load)
 - To limit maximum boiler water temperature to 140° F when there is no inferred heat load
 - To prevent boiler operation without automatic temperature control

Please note that even though all boiler manufacturers must be in production with these changes by September 1, 2012, distributors and contractors can continue to purchase and sell all types (including standing pilot models); while supplies last.

Affected Weil-McLain Residential Boiler Models

- CGa, CGi, CGs, CGt
- GV90+
- WM97+ (already complies)
- Ultra Series 3–UE (already complies)
- EG
- PEG
- PFG-5
- WGO (already complies)
- WTGO (already complies)
- SGO (already complies)
- Ultra Oil

For your reference, we are including an excerpt from the Energy Independence and Security Act of 2007 that pertains to this change and affects all manufacturers of residential gas, oil and electric boilers.

SEC. 303. RESIDENTIAL BOILERS.

“(A) IN GENERAL.—Subject to subparagraphs (B) and (C), boilers manufactured on or after September 1, 2012, shall meet the following requirements:

Boiler Type	Minimum Annual Fuel Utilization Efficiency	Design Requirements
Gas Hot Water	82%	No Constant Burning Pilot, Automatic Means for Adjusting Water Temperature
Gas Steam	80%	No Constant Burning Pilot
Oil Hot Water	84%	Automatic Means for Adjusting Temperature
Oil Steam	82%	None
Electric Hot Water	None	Automatic Means for Adjusting Temperature
Electric Steam	None	None

“(B) AUTOMATIC MEANS FOR ADJUSTING WATER TEMPERATURE.—

“(i) IN GENERAL.—The manufacturer shall equip each gas, oil, and electric hot water boiler (other than a boiler equipped with a tankless domestic water heating coil) with automatic means for adjusting the temperature of the water supplied by the boiler to ensure that an incremental change in inferred heat load produces a corresponding incremental change in the temperature of water supplied.

“(ii) SINGLE INPUT RATE.—For a boiler that fires at 1 input rate, the requirements of this subparagraph may be satisfied by providing an automatic means that allows the burner or heating element to fire only when the means has determined that the inferred heat load cannot be met by the residual heat of the water in the system.

“(iii) NO INFERRED HEAT LOAD.—When there is no inferred heat load with respect to a hot water boiler, the automatic means described in clauses (i) and (ii) shall limit the temperature of the water in the boiler to not more than 140 degrees Fahrenheit.

“(iv) OPERATION.—A boiler described in clause (i) or (ii) shall be operable only when the automatic means described in clauses (i), (ii), and (iii) is installed.

“(C) EXCEPTION.—A boiler that is manufactured to operate without any need for electricity or any electric connection, electric gauges, electric pumps, electric wires, or electric devices shall not be required to meet the requirements of this paragraph.”.

We will continue to provide Weil-McLain product updates as we get closer towards implementation.