



### **SUBJECT: Condensate Production from Condensing Boilers**

Below is the *maximum amount* of condensate that can be produced from combusting either Natural Gas or Propane. Not all installations are the same - vent lengths, location, configuration, as well as boiler operating temperatures can vary, causing the condensate amount to vary as well.

For every 1,000 BTU's of input = 0.01 gallons of condensate can be produced in 1 hour of continuous operation.

Example:

Boiler Input = 100,000 BTU/hr

$100 \times 0.01 = 1$  gallon of condensate for every hour of continuous run time

Note:

- 1) Modulating boilers will produce even less condensate because these boilers will modulate their input value lower to match the system load.
- 2) The above values can vary depending on the location of the installation, operating, and environmental conditions.
- 3) For condensate pump sizing, please refer to the Boiler Manual (manuals are also available on our web site at [www.weil-mclain.com](http://www.weil-mclain.com)). In the manual, the suggested minimum condensate pump capacities take into account other items such as rain load and safety factors. This is done so that a condensate pump doesn't have to continually run when the boiler is on.