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Technical Bulletin: Gas Valve Adjustment During Startup

Affected Models: All

Description: Gas valve adjustment is required only under certain specific conditions listed below. In all other circumstances, the factory gas valve setting should not be changed.

During startup of an Intellihot unit, the adjustment of the gas valve, specifically the high-fire and low-fire screw is required only under the following circumstances:

- **Conversion to Propane:** In cases where propane is the fuel source.
- **Unusual Noises or Rumbling:** During ignition and operation from minimum firing rate to maximum firing rate, irregular noises or rumbling is present.
- **Installation Exceeding 2000 ft in altitude:** If the unit is installed at an altitude above 2000 feet.
- **Gas Calorific Value:** Installations using manufactured gas or natural gas with a calorific value less than 950 BTU per cubic foot or greater than 1150 BTU per cubic foot.
- **Code Mandates:** If the code stipulates combustion verification during start-up – commissioning, and corrections are deemed necessary to the air-fuel ratio by adjusting the gas valve high and low fire screws.

Otherwise, combustion tuning is not required for the gas valves of the heat exchangers.

To contact Intellihot product support, please call us at 877-835-1705 or email us at support@intellihot.com