

Modulating Tube Heaters

HEATRITE™



Heat-Rite™
VM Brooders.

MODULATING HEATERS

LOWER BROODERS' ENERGY BILLS!

Increased efficiency by
MODULATION
- adjustment of both fuel
and combustion air

Flock 1:

Used **38% Less Fuel** than 2-stage
and **23% Less Fuel** than Single-stage!

Flock 2:

Used **33% Less Fuel** than 2-stage
and **21% Less Fuel** than Single-stage!

*For both flocks, the VAL-CO™ low-intensity,
unitary, modulating heaters used the least amount of energy,
while the two-stage heaters used the most!

*Results may vary.



VALCO™
People. Products. Solutions.

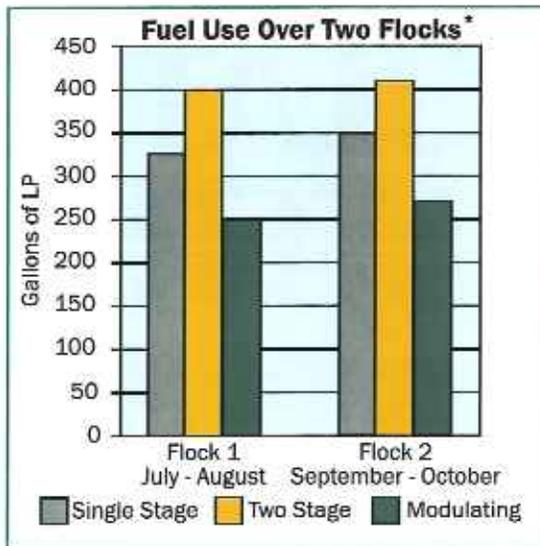
VAL-CO™ HEATRITE

Several brooders have experienced major savings in fuel bills after installation of VAL-CO™ brooder heaters. The chart below details the savings achieved by a poultry farm that compared three types of gas-fired, low-intensity, infrared heaters: a modulating heater, a single stage heater and a two-stage heater, over two different flocks spanning four months.

Air-fuel linkage technology varies fuel and combustion air throughout the full range of burner inputs for optimum combustion efficiency. Continuous, smooth modulation ensures ultimate comfort, surpassing outdated two-stage technology.

Two-stage heaters only reduce the amount of gas, but keep the air constant and therefore, do not optimize combustion. According to the 2004 ASHRAE Systems & Equipment Handbook 28.7, "Fuel savings with two-stage firing rate systems may not be realized unless both the gas and the combustion air are controlled."

- **Provides more accurate control** over meeting heating demands by allowing even the slightest change in heater firing rate anywhere within the 60-100% range.
- **Provides real energy savings** by matching the heating system's input to the building's heat load requirement, resulting in longer heater run times, as opposed to frequent heater cycling.



*Results may vary.



VAL-CO.

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Installation Code and Annual Inspections:

All installation and service of VAL-CO equipment must be performed by a contractor qualified in the installation and service of products sold and supplied by VAL-CO and conform to all requirements set forth in the VAL-CO manuals and all applicable governmental authorities pertaining to the installation, service and operation of the equipment. To help facilitate optimum performance and safety, VAL-CO recommends that a qualified contractor conduct, at a minimum, annual inspections of your VAL-CO equipment and perform service where necessary, using only replacement parts sold and supplied by VAL-CO.

Further Information: Applications, engineering and detailed guidance on systems design, installation and product performance is available through VAL-CO representatives. Please contact us for any further information you may require, including the Installation, Operation and Service Manual.

www.val-co.com

These products are not for residential use.

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