

Widest heat pattern  
from industry leading,  
high efficiency  
45° tilted reflectors

Durable, long-lasting  
energy efficient  
infrared heaters



**HEATRITE™**  
VES-U45



**VALCO®**

Performance You Can Count On

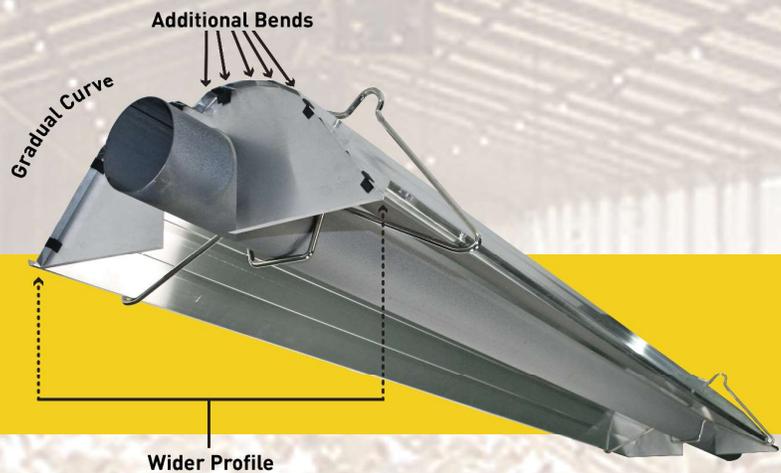
# HEATRITE™ VES-U45

Low-intensity, gas-fired infrared heaters have successfully heated poultry barns for decades. Val-co has further enhanced this already proven technology with the introduction of HEAT-RITE™ ES U-Tube heaters. These heaters utilize three key features creating the widest and most effective heat pattern on the market today:

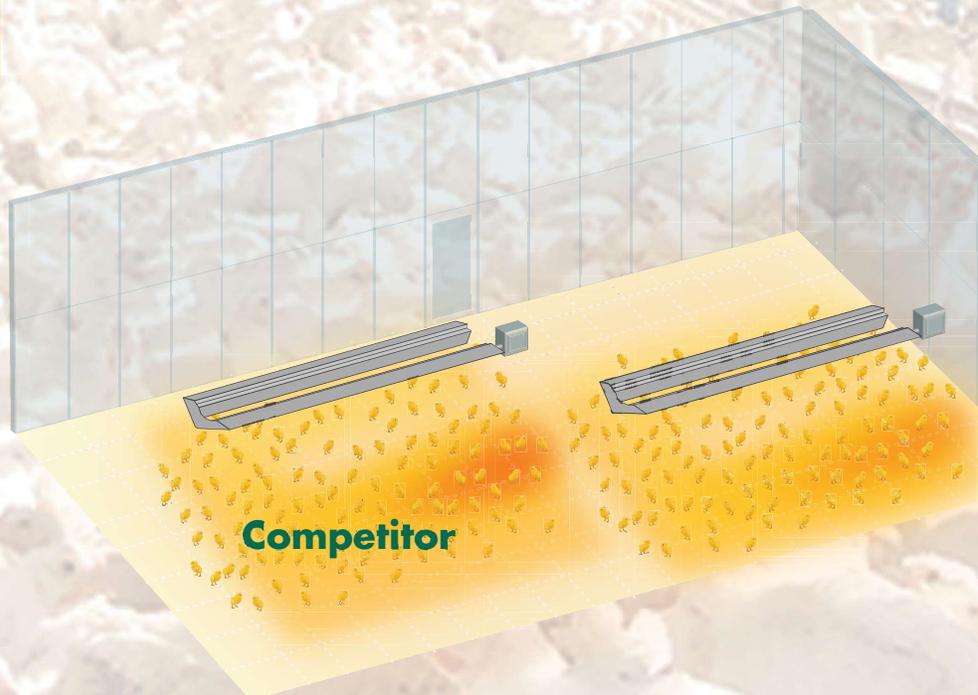
- U-tube design-provides a wider, more even heat pattern from 7' - 12' behind the burner and in front of the heater
- Industry-leading high efficiency reflectors
  - Innovative shape engineered to reflect the maximum amount of radiant energy to the space below
  - Wider profile increases heat coverage, creating an optimum heat pattern
- 45° tilted reflectors-spread effective heat to the farthest edges of the barn



Comfortable, even, effective heat pattern provides a healthy environment, improves chick performance and reduces energy use



When compared to other poultry heaters, Val-Co's unique combination of u-tube with 45° tilted high efficiency reflectors created a wider, more even heat distribution.



# Benefits of Infrared Heaters

Widely used in commercial and industrial heating for decades, low-intensity infrared heaters are an ideal solution for agricultural applications for many reasons:

## Provides clean, comfortable, draft-free heat

Gently warms the space and its contents, rather than blowing dirty air around the barn.

## Gives peace of mind

Field proven and installed in commercial/industrial buildings and poultry barns for decades.

## Frees valuable barn space

Ceiling mounted down the center of the barn or side wall mounted keep pens and aisles clear.

## Meets regulatory standards

Certified by CSA Canadian Standards Associations International to meet standards for consumer safety, health and environmental requirements.



## Reduces energy consumption

Even floor temperatures in short amount of time and greater comfort at lower temperatures compared to warm air heaters.

## Long lasting performance and low maintenance

Durable components and sealed control housing

## Enhances bird health



Floors absorb energy, evaporating moisture in the barn, creating dryer conditions and reducing potential for diseases and bacteria growth.



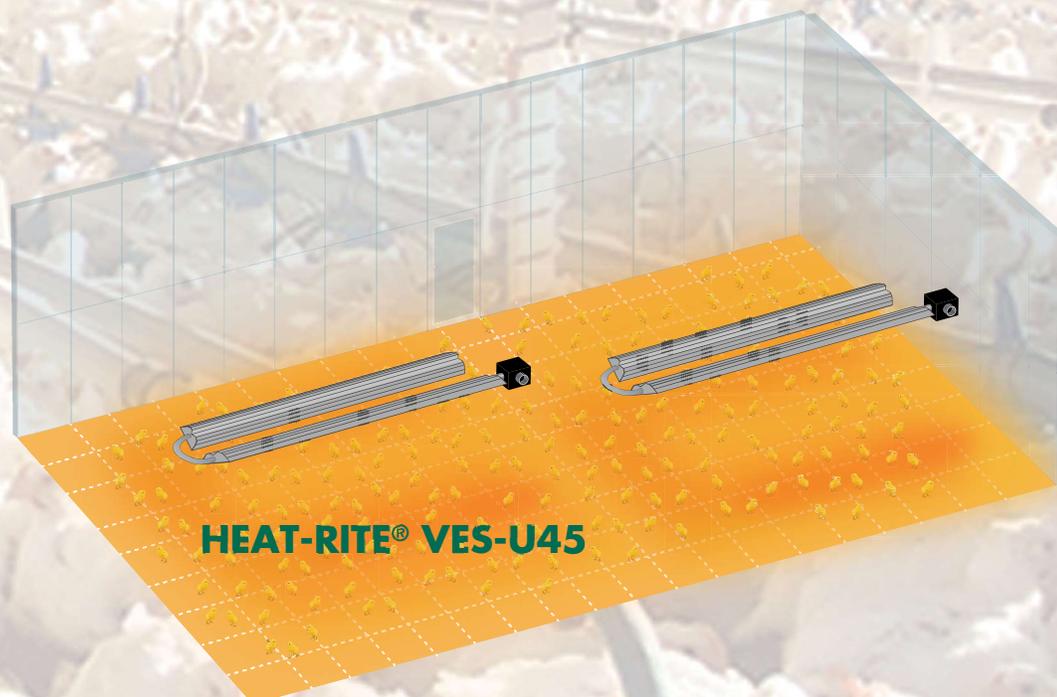
## Reduces fuel bills

Up to 50% over traditional warm air heaters.

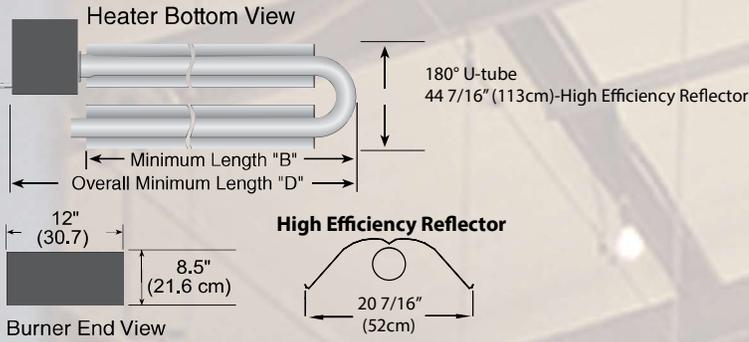


## Eliminates cold spots

Providing constant heat distribution while maximizing space conditions to promote bird health



# HEATRITE™ VES-U45



HEAT-RITE™ VES-U45

Model		VES-80
Minimum Length of U-Tube*	[ft, in] B	11, 7
Overall Minimum Length of U-Tube*	[ft, in] D	12, 6

\*For additional lengths, please see the current Installation, Operation and Service Manual.

Input (Btu/h) x (1000)		80
Inlet Pressure	[in wc] NG min.	4.6
	LPG min.	11
	NG & LPG max.	14
Gas Connection	NPT	½"
Combustion Air Inlet	dia	4"
Exhaust Flue	dia	4"
Burner	Black powder coat finish, sealed control housing, internal partition separates combustion air from electrical components, external t-stat connections	

Weights		
<b>Aluminized Tube and Accessory Packages</b>	[ft]	<b>20</b>
Aluminized High Efficiency Reflector	[lb]	89
<b>Burner</b>	[lb]	20
<b>U-tube Packages</b>		
Aluminized U-tube for High Efficiency Reflector	[lb]	23
Fuel		NG or LPG
Electrical Supply		120 V, 60 Hz, 1 A
Heat Exchanger Tubing		10 ft Sections, 4" dia, 16 Gauge, First 10 ft ALUMI-THERM® Steel Tubing [Remaining Heat Treated Aluminized Steel Tubing]
Reflector and End Caps		.024 Aluminum
Control System		Fully Automatic, Three-Try, 100% Shut-Off, Direct Spark Electronic Ignition Control, LED Burner Status Light
Approved As		Indoor (Vented or Unvented)
Certification		ANSI Z83.20/CSA 2.34, 2.17, 2.20
Warranty		Three-Year Limited (Refer to Installation, Operation and Service Manual for Details)

## Clearances to Combustibles \*\*[in]

Model	VES-80	
Horizontal	Horiz.	
	A	8
	B	60
	C	66
	D	22

\*\*Clearances B, C and D can be reduced by 50% for locations 25 ft (7 m) or more downstream of the burner. For other mounting options and associated clearances, complete installation, operation and service criteria, please see the current issue of the Installation, Operation and Service Manual.

**This product is not for residential use.**

**This document is intended to assist licensed professionals in the exercise of their professional judgement.**

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