

**HEAT**RITE™

2016 NEW PRODUCT



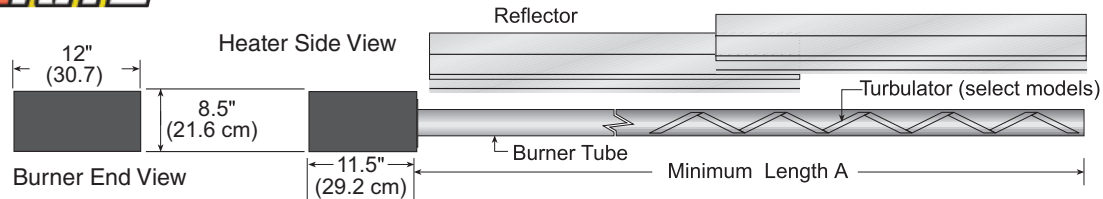
Heat-Rite™ ES

The Economical
Unitary Infrared Heater

- Produces a comfortable even heat pattern throughout the space improving livestock performance while reducing fuel consumption
- Increased radiant spread from wide pattern reflector
- Sealed control housing with durable components provides long lasting performance and low maintenance
- Clean, quiet draft-free comfort



Performance You Can Count On



Model		ES-80	ES-100	ES-125	ES-150
Minimum Length of Straight Tube*	[ft, in] A	20	30	40	50
Overall Minimum Length of Straight Tube*	[ft, in] C	20, 11	30, 11	40, 11	50, 11

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

Input (Btu/h) x (1000)		80	100	125	150
Inlet Pressure	[in wc] NG min.	4.6	4.6	4.6	4.6
	LPG Propane min.	11	11	11	11
	NG & LPG Propane max.	14	14	14	14
Gas Connection	NPT	½"	½"	½"	¾"
Combustion Air Inlet	dia	4"			
Exhaust Flue	dia	4"			
Weights					
Overall Length of Tube and Accessory Packages	[ft]	20	30	40	50
Hot Rolled or Aluminized Tube with Aluminum Reflector	[lb]	86	120	161	206
Aluminized Tube with Stainless Steel Reflector	[lb]	113	152	208	265
Burner	[lb]	20			
Fuel		NG or LPG Propane			
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 Hot Rolled or Heat Treated Aluminized Steel Tubing]			
Reflector and End Caps		.024 Aluminum [Optional - .024 Stainless Steel Type 304]			
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		ES-80	ES-100	ES-125	ES-150
Horizontal		Horiz.	Horiz.	Horiz.	Horiz.
A		6	6	6	6
B		38	40	46	50
C		65	70	76	79
D		38	40	46	50

**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.

Installation Code and Annual Inspections:

All installations and service of VAL-CO equipment must be performed by a contractor qualified in the installation and service of equipment 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, operation and labeling of the equipment. To help facilitate optimum performance and safety, Val-Co recommends that a qualified contractor annually inspect 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 equipment performance is available through VAL-CO representatives. Please contact us for any further information you may require, including 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.

Val-Co
210 E. Main Street
P.O. Box 117
Coldwater, OH 45828 USA
Telephone: 800.998.2526
Fax: 419.678.2200
www.val-co.com

