

**HEATRITE™**



# Heat-Rite™ VST Brooders.

## Radiant Tube Heating Offers A Convenient And Effective Alternative To Standard Brooders.

- With VST Models, the burner box fires from one end of the tubes.
- Ceiling mounting provides wide, even coverage of the house.
- The infrared process heats objects rather than wasting heat on the air allowing VST to efficiently warm the floor and chicks.
- Valuable brooder space is gained...no need to raise and lower.
- Flexible design options and a broad range of burner sizes and tube lengths. Natural gas or liquid propane styles available.
- Diagnostic capability is incorporated into the burner design.
- GainTRAC™ Whole House Controller™ offers remote turn on or off capabilities.
- Burner box design with enclosed controls protects valuable electrical components from heat exposure.



Pancake with Venturi Burner



Pancake with Single Jet Burner

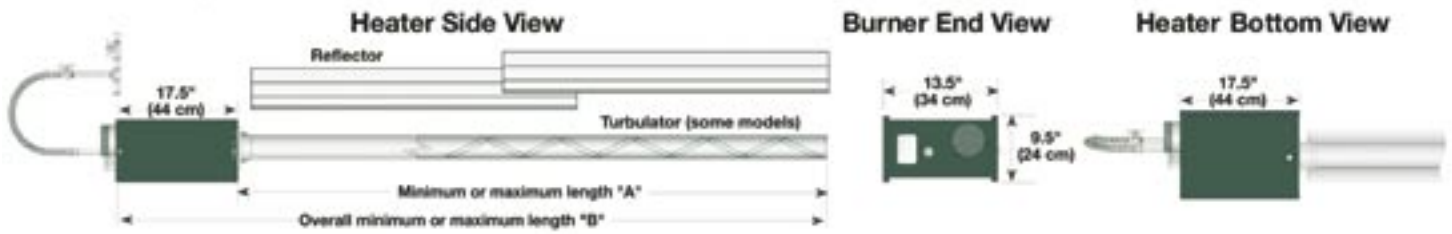


Glow Radiant



Space Heater





Heat-Rite™ Model		VST-80	VST-100	VST-125			
Minimum Length of Straight Tube (Ft., In.)	<b>A</b>	20	30	40			
Maximum Length of Straight Tube (Ft., In.)	<b>A</b>	30	40	50			
Overall Minimum Length of Straight Tube (Ft., In.)	<b>B</b>	21,5.5	31,5.5	41,5.5			
Overall Maximum Length of Straight Tube (Ft., In.)	<b>B</b>	31,5.5	41,5.5	51,5.5			
<b>Input (BTU/Hr.) (x1000)</b>		<b>80</b>	<b>100</b>	<b>125</b>			
Fuel		Natural Gas (NG) or Propane Gas (LP)					
Inlet Pressure (In.) W.C.	<b>NG</b> <b>LP</b>	4.6 Minimum for VST-80, 100, and 125; 14.0 Maximum 11.0 Minimum, 14.0 Maximum					
Gas Connection		1/2" NPT for VST-80, 100 and 125. (36" Stainless Steel Flex Included with Burner)					
Electrical Supply		120V, 60 Hz., 1.0 Amp (Run), 5.0 Amp (Start)					
Heat Exchanger Tubing		10 Ft. Sections, 4" dia., 16 Gauge, First 10 Ft. ALUMI-THERM® Steel Tubing (Remaining Heat Treated Aluminized Steel Tubing)					
Exhaust Flue O.D. (In.)		4"					
Reflector and End Caps		.024 Mill Finish Aluminum					
Ignition		Honeywell® SmartValve® II Combines Gas Valve and Hot Surface Electronic Ignition Control Fully Automatic, Four-Try, 100% Shut-Off, Prepurge, Auto Reset, LED Indicator Status					
Approved As		Indoor (Vented or Unvented)					
CSA Standards		ANSI Z83.20/CSA 2.34, 2.17					
Warranty		Three-year Limited (Refer to Installation, Operation and Service Manual for Details)					
<b>Weights</b>		<b>VST-80</b>	<b>VST-100</b>	<b>VST-125</b>			
		<b>Min - Max</b>	<b>Min - Max</b>	<b>Min - Max</b>			
Overall Length of Tube and Accessory Packages	<b>Feet</b>	20 - 30	30 - 40	40 - 50			
Aluminized Tube with Aluminum Reflector	<b>Lbs.</b>	86 - 120	120 - 161	161 - 206			
Burner	<b>Lbs.</b>		40				
<b>Clearances to Combustibles* (In.)</b>		<b>VST-80</b>	<b>VST-100</b>	<b>VST-125</b>			
		<b>Horiz.</b>	<b>45°</b>	<b>Horiz.</b>	<b>45°</b>	<b>Horiz.</b>	<b>45°</b>
	<b>A</b>	6	8	6	10	6	10
	<b>B</b>	38	8	40	8	46	8
	<b>C</b>	66	66	71	74	77	78
	<b>D</b>	38	60	40	64	46	69

\*Clearances **B, C, D** can be reduced by 50% for locations 25 ft. 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 HEAT-RITE™ VST Installation, Operation and Service Manual.

**Installation Code:** VAL-CO products are to be installed only in accordance with local laws,

codes and regulations, and only by a contractor qualified in the installation and service of gas-fired heating equipment. **This product is not for residential use.**

**Further Information:** Applications, engineering and detailed guidance on systems design, installation and product performance is available through VAL-CO North American independent distributors. Please contact us

for any further information you may require, including the HEAT-RITE™ VST Installation, Operation and Service Manual.



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