

**HEATRITE™**



# Heat-Rite™ VTF Brooders.

## Twin Fire Radiant Heating Uses Two Directions To More Efficiently Heat.

- With VTF Models, the burner box is centrally located and gives the most effective heat distribution by firing in two directions.
- Installation costs are lowered by providing the highest inputs in the infrared industry from one heater.
- Ceiling mounting provides wide, even coverage of the house.
- The infrared process heats objects rather than wasting heat on the air allowing VTF Radiant Tubes 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.
- 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



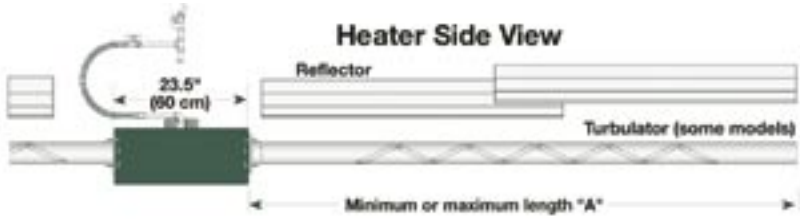
Glow Radiant



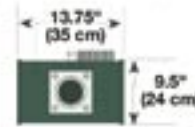
Space Heater

  
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People. Products. Solutions.

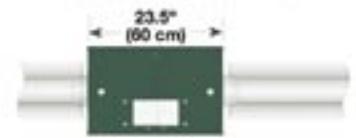




Burner End View



Heater Bottom View



Heat-Rite™ Model		VTF-160	VTF-200	VTF-250			
Minimum Length of Straight Tube Each Side (Ft., In.)	<b>A</b>	20	30	40			
Maximum Length of Straight Tube Each Side (Ft., In.)	<b>A</b>	30	40	50			
For overall straight heater length, double "A" and add burner length.							
<b>Input (BTU/Hr.) (x1000)</b>		<b>160</b>	<b>200</b>	<b>250</b>			
Input per Branch		80	100	125			
Fuel		Natural Gas (NG) or Propane Gas (LP)					
Inlet Pressure (In. w.c.)	<b>NG</b> <b>LP</b>	5.0 Minimum, 16.0 Maximum 12.0 Minimum, 16.0 Maximum					
Gas Connection		3/4" NPT (36" Stainless Steel Flex Included with Burner)					
Electrical Supply		120V, 60 Hz., 1.0 Amp					
Heat Exchanger Tubing		10 Ft. Sections, 4" Diameter, 16 Gauge, First 10 Ft. ALUMI-THERM® Steel Tubing (Remaining Heat Treated Aluminized Steel Tubing)					
Exhaust Flue O.D. (In.)		4" Each Side, 6" Common					
Reflector and End Caps		.024 Mill Finish Aluminum					
Ignition		Honeywell® Dual Spark Fully Automatic, Three-Try, Direct Spark Electronic Ignition Control, 100% Shut-Off					
Approved As		Indoor (Vented or Unvented)					
CSA Standards		ANSI Z83.20-2001/CSA 2.34-2001, CAN 1-2.20					
Warranty		Three-year Limited (Refer to Installation, Operation and Service Manual for Details)					
<b>Weights</b>		<b>VTF-160</b>	<b>VTF-200</b>	<b>VTF-250</b>			
Overall Length of Tube & Accessory Packages Each Side Aluminized Tube w/ Aluminum Reflector Each Side	<b>Feet</b>	<b>Min - Max</b>	<b>Min - Max</b>	<b>Min - Max</b>			
	<b>Lbs.</b>	20 - 30 86 - 120	30 - 40 120 - 161	40 - 50 161 - 206			
Burner	<b>Lbs.</b>	50					
<b>Clearances to Combustibles* (In.)</b>		<b>VTF-160</b>	<b>VTF-200</b>	<b>VTF-250</b>			
<b>Horizontal</b>		<b>Horiz.</b>	<b>45°</b>	<b>Horiz.</b>	<b>45°</b>	<b>Horiz.</b>	<b>45°</b>
		6	8	6	10	6	10
		38	8	40	8	46	8
<b>A</b>		66	66	71	74	77	78
<b>B</b>		38	60	40	64	46	69
<b>C</b>							
<b>D</b>							

\*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™ VTF 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™ VTF Installation, Operation and Service Manual.



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