

**HEATRITE™**



**NEW!**

NEW Modulating  
Tube Heater

# Heat-Rite™ VM Brooders



**FANS**



**CONTROLLERS**



**DRINKERS**



**FEEDERS**

## The Only Radiant Tube Heater for Brooders that Maximizes Fuel Savings.

- Modulation controls the burn and blower rate for maximum efficiency.

By controlling both FUEL and COMBUSTION AIR, Heat-Rite™ modulating heaters balance radiant and thermal heat to produce the precise temperature you want.

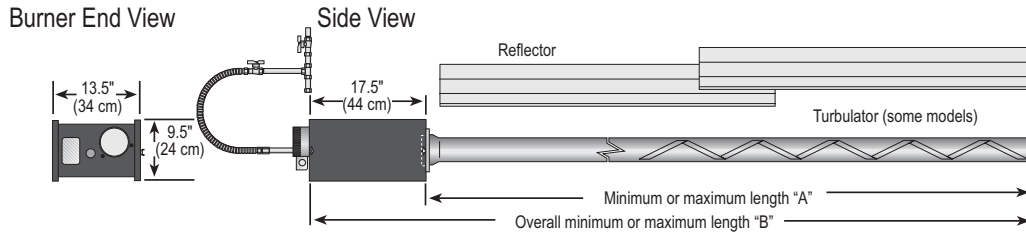
- With VM Models, the burner box fires from one end of the tubes.
- Ceiling mounting provides wide, even coverage of the house.
- The infrared process heats objects rather than wasting heat on the air allowing VM to efficiently warm the floor and chicks.
- Valuable brooder space is gained...no need to raise and lower.
- Flexible design options and a broad range of burner sizes and tube lengths. Natural gas or liquid propane styles available.
- Burner box design with enclosed controls protects components from dirt and moisture exposure.



**VALCO**

**People. Products. Solutions.**

# HEATRITE™



Heat-Rite™ Model		VM-80	VM-115	VM-150
Minimum Length of Straight Tube (Ft., In.)	<b>A</b>	20	30	40
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
Input (Btu/h) x (1000) Minimum (NG/LP)		<b>52/54</b>	<b>75/80</b>	<b>98/105</b>
Input (Btu/h) x (1000) Maximum		<b>80</b>	<b>115</b>	<b>150</b>
Fuel		Natural Gas (NG) or Propane Gas (LP)		
Inlet Pressure (In.) W.C.	<b>NG</b>	5.6 min.	5.6 min.	6 min.
	<b>LP</b>	12 min.	12 min.	12 min.
		14 Maximum for NG & LP		
Gas Connection		1/2" NPT	1/2" NPT	3/4" NPT
Electrical Supply		120 V, 60 Hz, 1 A (Run) 6 A (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.		4"		
Reflector and End Caps		.024 Aluminum		
Control System		Modulating Gas Valve and Hot Surface Electronic Ignition Control		
Control Options		Four-Try, 100% Shut-Off, Prepurge, Auto Reset, Tri-Color LED Status/ Fault Indicator		
Control Options		Zone Sensor with Setpoint Adjustability, 10 K ohm Potentiometer, Remote 0-10 Vdc or 4-20 mA Signal		
Approved As		Indoor (Vented or Unvented)		
Certification		ANSI Z83.20/CSA 2.34, 2.17		
Warranty		Three-Year Limited (Refer to Installation, Operation and Service Manual for Details)		

Weights					
Overall Length of Tube and Accessory Packages	<b>Feet</b>	20	30	40	50
Aluminized Tube with Aluminum Reflector	<b>Lbs.</b>	86	120	161	206
Burner	<b>Lbs.</b>	40			

Clearances to Combustibles* (In.)		VM-80		VM-115		VM-150		
Horizontal	45°	Horiz.	45°	Horiz.	45°	Horiz.	45°	
		<b>A</b>	6	8	6	10	6	12
		<b>B</b>	38	8	46	8	50	8
		<b>C</b>	66	66	77	78	80	84
		<b>D</b>	38	60	46	69	50	74

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



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