

HEATRITE™

IP55
PROTECTED
BURNER BOX

Heat-Rite™ VHE Brooders.

Low Intensity Radiant Heaters for Poultry.

- Reduced obstructions during chick placement and load out because of high ceiling installation.
- Minimal maintenance costs due to protection of internal burner components against dust and water.
- Increased energy efficiency from heating floors and objects, rather than the air.
- Longer heater life provided by durable components such as heat treated aluminised tube.
- Even floor temperatures for optimal chick performance and growth from infrared energy.



Pancake with Venturi Burner



Pancake with Single Jet Burner



Glow Radiant

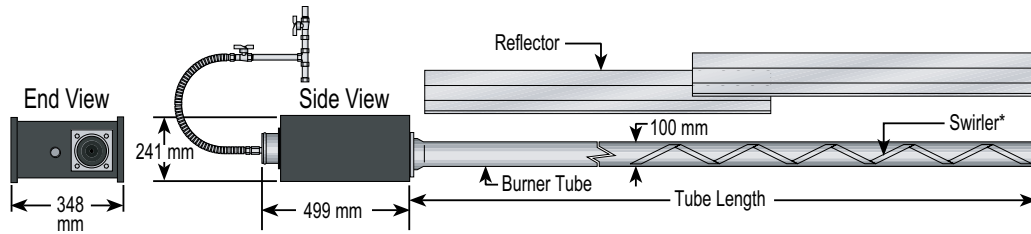


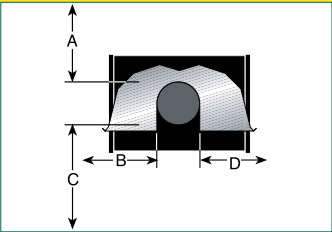
Space Heater



Performance You Can Count On

CE
0063



Heat-Rite™ Model		VHE25ST	VHE30ST	VHE35ST	VHE40ST
Input [kW]		25	30	35	40
Overall Length [mm]		9935	12983	12983	13028
Weight [kg]		55	68	68	68
Gas Consumption [m³/h]*					
NG [G20]		2.4	2.9	3.4	3.8
NG [G25]		2.8	3.3	3.9	4.4
LPG Butane [G30]		0.7	0.9	1.0	1.1
LPG Propane [G31]		0.9	1.1	1.3	1.5
Fuel		NG (G20, G25), LPG Propane or LPG Butane (G30, G31)			
Inlet Pressure [mbar] NG min.		(G20) - 15, (G25) - 17.5 Butane (G30) and propane (G31) - 32.5 50			
Heat Exchanger Tubing		3 m Sections, 100 mm dia, 16 Gauge, First 3 m Aluminised Steel Tubing (Remaining Heat Treated Aluminised Steel Tubing)			
Gas Connection [ISO 7-Rp]		1/2"			
Electrical Supply		230 V, 50 Hz, 1 Ø, 1 A			
Electrical Connection		Minimum IP55 Junction Box			
Burner		IP55 Protected (Optional Stainless Steel)			
Exhaust Flue [mm]		100			
Outside Air Supply		Mandatory			
Reflector and End Caps		NS3H14 Aluminum (or 1.4016 2R Stainless Steel as Option)			
Ignition		Fully Automatic, Single Try, Direct Spark, 100% Shut Off, Ignition Flame Rectification Module			
Approved As		Flueless or Flued			
CE Standard		EN 416			
Accessories		Optional Lockout Indication (Volt Free Contacts)			
Clearances to Combustibles** [mm]		VHE25ST	VHE30ST	VHE35ST	VHE40ST
	A	150	150	150	150
	B	1116	1173	1346	1403
	C	1650	1780	1930	1970
	D	1116	1173	1346	1403

* Based on Gross Calorific Value

** **Clearances B, C, D** can be reduced by 50% for locations 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 HEAT-RITE™ VHE 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 and operation 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. **This product is not for residential use.**

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 HEAT-RITE™ VHE Installation, Operation and Service Manual.



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