

VAPORMITE

The Kemco Vapormite is designed to provide the highest quality concrete steam curing equipment at an economical price. Built to the same high quality standards as our Vaporator series, the Vapormite is available in four sizes, all single speed for the greatest flexibility, ease of operation and minimum maintenance.

SPECIFICATIONS

Specification	Model 0.5	Model 1.0	Model 1.5	Model 2.0
Output of Unit (mmbtu/hr)	0.5	1.0	1.5	2.0
Steam/hr (lbs)	500	1,000	1,500	2,000
Boiler Equivalent (hp)	15	30	45	60
Dimensions (L x W x H)	105" x 29" x 74"			
Air Blower Type	Positive Displacement	Positive Displacement	Positive Displacement	Positive Displacement
Electric Motor (hp)	7.5	15.0	20.0	30.0
Shipping Weight (lbs)	1,250	1,850	1,900	2,000
Water Hardness (grains/gal)	< 3	< 3	< 3	< 3

Utility Requirements

Natural Gas at 12 psig (cu. ft./hr)	500	1,000	1,500	2,000
Propane vaporized at 12 psig (gal/hr)	5.5	11.0	16.5	22.0
Power Supply Required 240/480 VAC at 60 Hz 3-phase (amps)	22/11	42/21	54/27	80/40
Water at 40psig (gal/min)	1	2	3	4

Utility Connection

Fuel	¾"	¾"	¾"	1 ¼"
Water	¾"	¾"	¾"	¾"
Steam Line	2 ½"	3"	3"	4"

Specification	Model 0.5	Model 1.0	Model 1.5	Model 2.0
Combustibles (%) (lbs/hr)	0 - 0.04 0 - 0.01	0 - 0.04 0 - 0.02	0 - 0.04 0 - 0.03	0 - 0.04 0 - 0.03
Carbon Monoxide (PPM) (lbs/hr)	150 - 300 0.07 - 0.13	150 - 300 0.13 - 0.26	150 - 300 0.20 - 0.39	150 - 300 0.26 - 0.52
Oxygen (%) (lbs/hr)	3.5 - 5.0 17.5 - 26.5	3.5 - 5.0 34.8 - 49.8	3.5 - 5.0 52.2 - 74.2	3.5 - 5.0 69.7 - 99.7
NO _x (PPM) (lbs/hr)	11 - 26 0.01 - 0.02	11 - 26 0.02 - 0.04	11 - 26 0.02 - 0.06	11 - 26 0.03 - 0.07
CO ₂ (lbs/hr)	57.7	115.1	172.6	230.2
SO ₂ (lbs/hr)	0 - 0.01	0 - 0.01	0 - 0.01	0 - 0.02
H ₂ O (lbs/hr)	17.6	35.3	53.0	70.7



FEATURES

- 98% Fuel Efficiency
- On-Demand Steam Production
- 40 - 60% Fuel Avoidance
- Low Pressure Operation
- PLC-Based System Control Panel
- High Early Compression Strengths

APPLICATIONS

- Aggregate Bin Heating
- Concrete Pad Heating
- Precast/Prestress Concrete Curing
- Block Kiln Heating