

# THERMACAST™ SINGLE-PHASE

## ELECTRIC VAPORIZER & GAS/TRIM HEATERS



Product Datasheet **1.2**



### Thermax Thermacast™ Single-Phase Electric Vaporizers/Gas Heaters

are your best choice for small installations. The entire unit is assembled in a small hinged cover electrical enclosure for wall mounting. These versatile units run on available 120V or 240V single-phase power. Gas outlet temperature set point is customer adjustable.

#### CONSTRUCTION:

A stainless steel heat transfer coil is cast into a solid aluminum block. An electric cartridge heater, which is moisture sealed and replaceable, is inserted into a precision drilled aluminum heat sink. Electrical controls and aluminum casting are enclosed in a weatherproof electrical enclosure.

#### Standard features

- Field replaceable stainless steel cartridge heater
- Adjustable gas outlet temperature: 20°F to 120°F
- High temperature limit switch for safety
- "Heat On" pilot light
- Unit comes fully wired, tested and ready to install
- 1000 PSIG MAWP
- Quick delivery of standard units
- NEMA 4 enclosure

#### Options

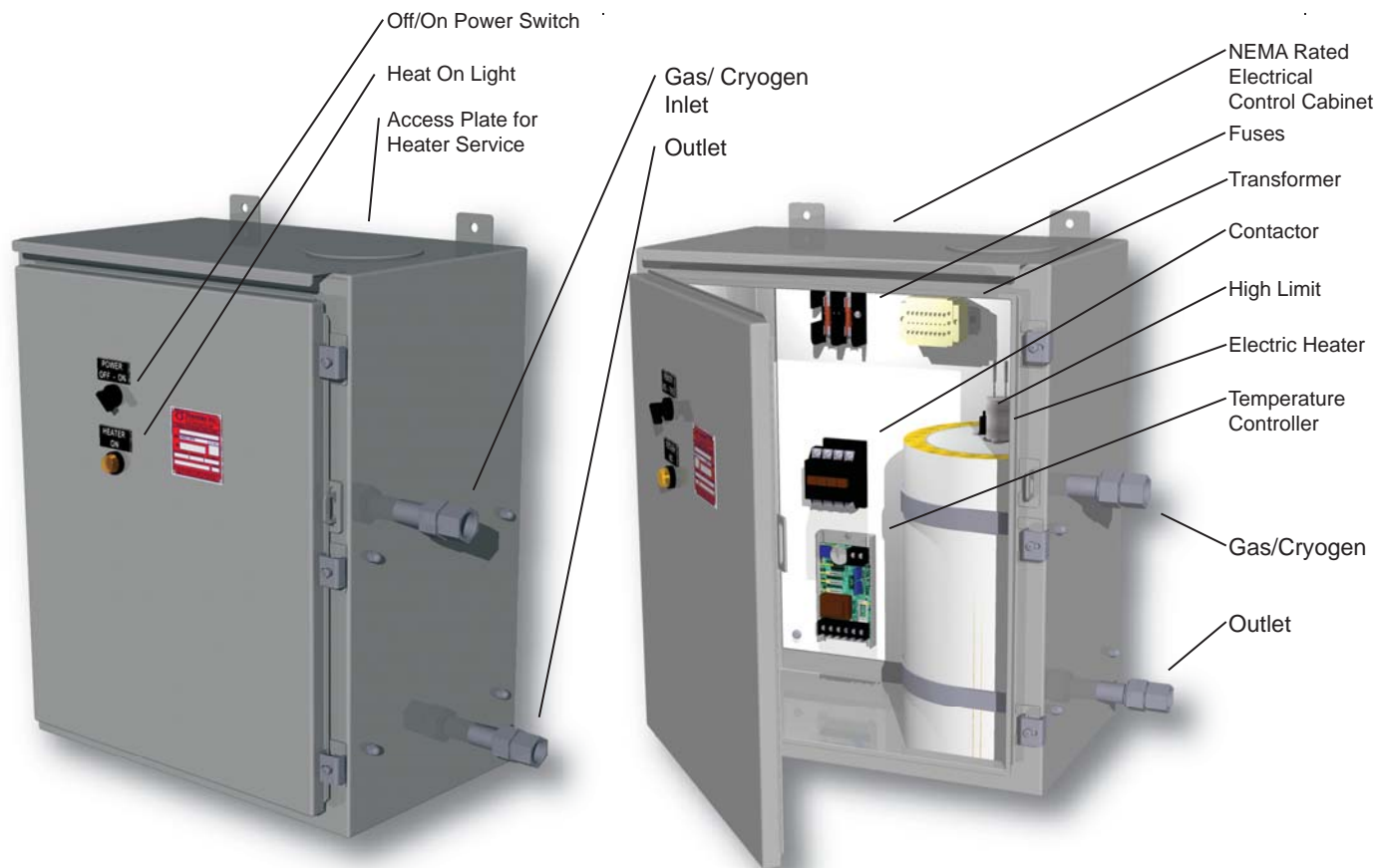
- Solid state SCR power control for proportional power output, close temperature tracking, and prolonged heater life.
- Low temperature cut off (LTCO) valve and control to prevent cold gas or liquid from passing through unit in the event of a power outage, excessive flow rate or other malfunction. LTCO MAWP is 500 PSIG.



Innovation. Experience. Performance.®

# THERMACAST™ SINGLE-PHASE

## ELECTRIC VAPORIZER & GAS/TRIM HEATERS



Standard Dimensions: 24" high x 20" wide x 12" deep

ThermoCast™ Vaporizer Model Ratings											
Model	Watts	SCFH				POUNDS/HR					
		N <sub>2</sub> /O <sub>2</sub>	Ar	H <sub>2</sub>	He	N <sub>2</sub> O	CO <sub>2</sub>	SO <sub>2</sub>	Methanol	NH <sub>3</sub>	Cl <sub>2</sub>
H1B0.5	500	125	140	170	275	13	12	10	2	2.5	12
H1B1	1000	250	280	340	550	28	25	20	4	5	25
H1B2	2000	500	570	700	1100	55	50	40	8.5	10	50
H1B3	3000	750	850	1050	1650	82	75	60	13	15.5	75
H1B4	4000	1000	1125	1375	2200	112	100	80	17.5	21	100
H1B5	5000	1250	1400	1700	2750	137	125	100	22	26	125

Call Thermax Inc. for ratings on ethanol, ethylene and related liquids.

ThermoCast™ Gas/Trim Heater Model Ratings						
Model	Watts	SCFH				
		N <sub>2</sub> /O <sub>2</sub>	Ar/He	H <sub>2</sub>	CO <sub>2</sub>	CO
TT0.5B	500	925	1300	935	735	930
TT1B	1000	1850	2600	1875	1470	1860
TT2B	2000	3700	5200	3750	2940	3720
TT3B	3000	5550	7800	5625	4410	5580

Note: Thermax units can be used to heat practically any gas.  
Call Thermax Inc. and talk to an engineer about your application.

All the tables shown on this Datasheet are intended as a guide that reflect our experience on these models. Actual performance may vary. This product and/or data was designed and/or developed by Thermax Inc. and shall not be used in any way injurious to the interests of Thermax Inc.

\*Trim heater flow rates based on 100°F temperature rise.