

THERMACAST™ ELECTRIC

GAS TRIM HEATERS



Product Datasheet **1.1**



Thermax Thermacast™ Electric Gas Trim Heaters

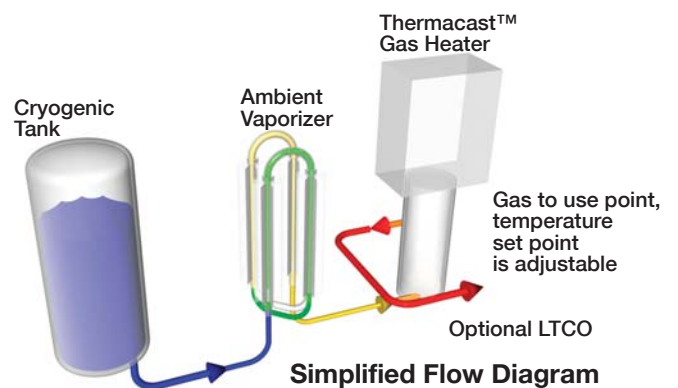
are dependable, high quality, fully automatic, compact, low pressure drop units ideally suited for warming gas downstream of ambient vaporizers and other industrial gas heating applications. Stainless steel heat transfer coils are cast into a solid aluminum block. Electric cartridge heaters, moisture-sealed and replaceable, are inserted into precision-drilled heat sinks in the aluminum block. Controls and switchgear are located in a weather-proof electrical enclosure.

Standard features

- Fully automatic operation
- Field replaceable stainless steel cartridge heaters
- Adjustable gas delivery temperature, 20°F to 120°F
- Casting high temperature limit for safety
- Stainless steel casting jacket and legs for appearance and low maintenance
- Unit comes fully factory wired, tested and ready to install
- 500 PSIG design in standard units (Flanged 495 PSIG)
- Quick delivery of standard units

Options

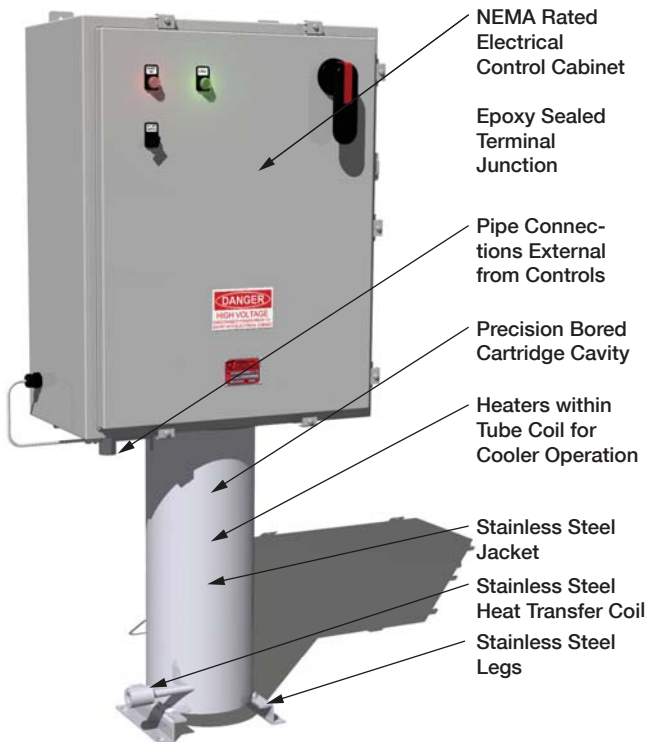
- Safety low temperature shutdown valve and controller (LTCO)
- Solid State SCR power control for step-less, proportional power, close temperature tracking and prolonged heater life
- Design pressures up to 15,000 PSIG
- Custom super-low pressure drop units
- Custom voltages
- Customized for gas delivery temperatures, up to 500°F and down to -250°F



Innovation. Experience. Performance.™

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MODEL	L x W x H	DIMENSIONS	
		INLET OUTLET	WEIGHT
TT3	20 x 12 x 54	3/4" FPT	270 lbs
TT6	20 x 12 x 54	3/4" FPT	270 lbs
TT9	20 x 12 x 54	1" FPT	270 lbs
TT12	20 x 12 x 54	1" FPT	270 lbs
TT15	20 x 12 x 54	1" FPT	270 lbs
TT20	24 x 14 x 55	1 1/2" FPT	300 lbs
TT25	24 x 14 x 55	1 1/2" FPT	300 lbs
TT30	24 x 14 x 55	1 1/2" FPT	300 lbs
TT40	24 x 18 x 58	2 1/2" FPT	350 lbs
TT50	24 x 18 x 58	2 1/2" FPT	350 lbs
TT60	24 x 18 x 58	2 1/2" FPT	350 lbs
TT75	24 x 24 x 58	3" 300 lb FLG	450 lbs
TT100	24 x 22 x 64	3" 300 lb FLG	575 lbs
TT120	36 x 24 x 64	4" 300 lb FLG	700 lbs
TT150	78 x 60 x 54	6" 300 lb FLG	900 lbs
TT200	78 x 60 x 54	6" 300 lb FLG	1200 lbs
TT240	78 x 60 x 54	6" 300 lb FLG	1400 lbs

MODEL #	kW	SCFH				
		N ₂ /O ₂	Ar / He	H ₂	CO ₂	CO
TT3	3	5,550	7,800	5,625	4,410	5,560
TT6	6	11,100	15,600	11,250	8,820	11,160
TT9	9	16,650	23,400	16,875	13,230	16,740
TT12	12	22,200	31,200	22,500	17,640	22,320
TT15	15	27,750	39,000	28,125	22,050	27,900
TT20	20	37,000	52,000	37,500	29,400	37,200
TT25	25	46,250	65,000	46,875	36,750	46,500
TT30	30	55,500	78,000	56,250	44,100	55,800
TT40	40	74,000	104,000	75,000	58,800	74,400
TT50	50	92,500	130,000	93,750	73,500	93,000
TT60	60	111,000	156,000	112,500	88,200	111,600
TT75	75	138,750	195,000	140,500	110,250	139,500
TT100	100	185,000	260,000	187,500	147,000	186,000
TT120	120	222,000	312,000	225,000	176,400	223,000
TT150	150	278,000	390,000	280,000	220,500	279,000
TT200	200	370,000	520,000	375,000	294,000	372,000
TT240	240	444,000	624,000	450,000	352,800	446,400

*Flow rates based on 100°F temperature rise.

All tables shown on this Datasheet are intended as a guide that reflect our experience on these models. Actual performance may vary. Please call Thermax Inc. for specific applications. 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.