

MAKEEN Gas Equipment
SECOND SUN™
Flameless Catalytic Tank Heater

SECOND SUN™ is an ideal solution when our environment is unable to supply the needed energy!

Algas SDI's flameless catalytic tank heater, SECOND SUN™, is designed to safely and efficiently boost natural vaporization in propane, LPG and anhydrous ammonia storage tanks and to simply produce heat.

Catalytic heating is a flameless process that involves chemical reactions aided by a catalyst. The primary by-product of this catalytic process is heat. SECOND SUN™ emits this heat against the surface of the tank as infrared waves similar to a radiant heater. This warm, low intensity heat mimics the energy from the sun.

SECOND SUN™ is ideally suited for:

- Hotels and resorts
- Restaurants
- Agricultural markets
- Small factories

Your benefits

- No flame – no source of ignition!
- No AC power
- Simple to install
- Easy to remove for tank and heater inspection
- Meets hazardous location requirements
- Can be used with propane, butane or LPG
- SECOND SUN™ meets Class I, Division 2, Group D hazardous location requirements



Vaporization type	Catalytic heater	
Start-up electrical	DC (only for start-up)	
Operating electrical	Self-generated	
Environmental range	-40° to 120°F (-40°C to 49°C)	
Inlet fuel connection	1/4" NPT	
Max. inlet pressure	Regulated: 10-11" wc (254 - 279 mm H2O) Unregulated: 10-250 PSIG (0.7-17.2 barg)	
ON/OFF activation (via tank pressure)	ON @ <50 PSIG (3.45 barg) OFF @ >60 PSIG (4.14 barg)	
	MODEL SS-30	MODEL SS-10
Heat input	30,000 BTU/h (7560 kcal/h)	10,000 BTU/h (2520 kcal/h)
Added vaporization to tank	2.2 MMBTU/h @ -20°F (550,000 kcal/h @ -28°C)	0.5 MMBTU/h @ -20°F (126,000 kcal/h @ -28°C)
Tank diameters	41-84" (1,041-2,134 mm)	30-84" (762-2,134 mm)
Unit dimensions	74"L x 19"W x 9"H (L 1,880 x W 486 x H 227 mm)	35"L x 14"W x 9"H (L 889 x W 356 x H 227 mm)
Shipping weight	185 lbs (84 kg)	50 lbs (23 kg)

WORLDWIDE SALES OF HIGH-QUALITY GAS EQUIPMENT AND COMPONENTS



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MAKEEN Gas Equipment contact on:
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