



CANAM
pipe & supply

HTR Panel System

Eliminate Freezing

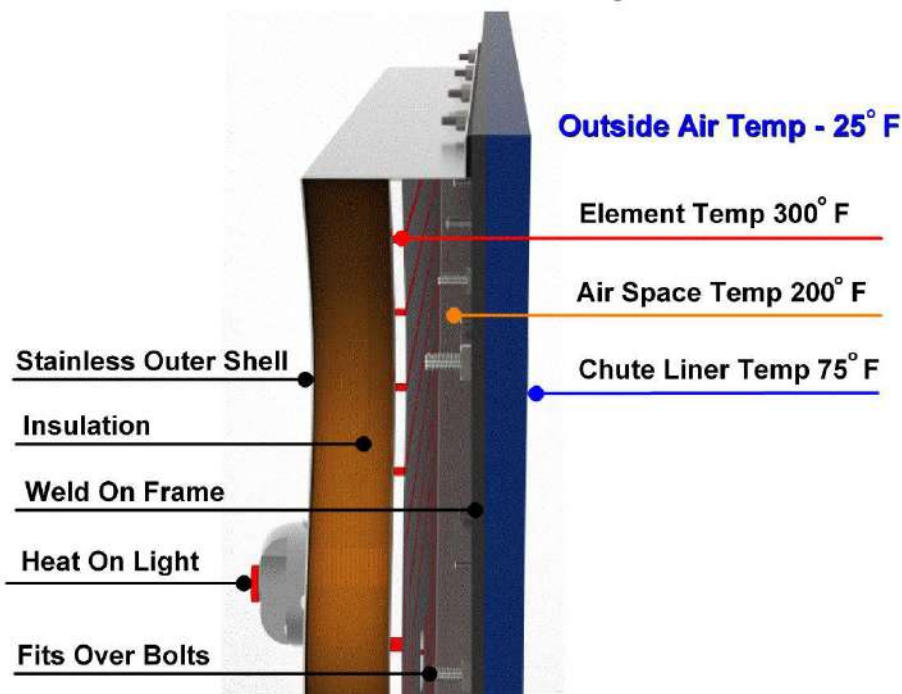


- *Electrically heated panels custom fabricated to fit your exact application.*
- *Save as much as 90% on fuel costs compared to heating enclosures.*
- *Eliminate major construction costs and confined spaces.*
- *5 Year warranty on replaceable heating element, lifetime stainless construction.*
- *Available for flop gates, clamshell gates and sliding gates.*

Thermostat controlled, set it and forget it!

Heaters for conveyor belts and related components...Since 1984

Specifications



120 - 240 - 480 Volts AC 12 -24 Volts DC
25 - 100 Watts per sq. ft. (50 watts standard)
Grade 304 Stainless cover
Standard 300°F panel is available up to 450°F
1", 2" or 3" Insulation options
5 year warranty on replaceable heating element

How the HTR System works

The HTR Panel System operates at 50 watts per sq. ft. for most applications. It is available with higher or lower watt ratings as required. The standard element temperature is set at 300°F and is available from any minimum temperature up to 450°F. The system can be equipped with an infinitely adjustable temperature controller if desired.

The 300°F setting will maintain the surface temperature of approximately 100°F above the ambient air temperature using only 175 btu per sq ft of surface area to be heated.

Liners and wear plates including ceramic, stainless, hardened steel, UHMW, Tivar, etc. do not affect the transfer. Thermostat controlled, set it and forget it operation.

The HTR Advantage

Unlike silicone pad heaters which come in standard sizes, require a clean surface to bond to, won't fit over bolts and require a separate insulation process, the HTR Panel System can be welded to almost any painted, rusted, bent or beat surface. It also requires nothing further than to be connected to an electrical power supply.

Differing from radiant and infrared heaters where most of the heat escapes or is overcome by air movement, the HTR Panel System is sealed and insulated thereby utilizing about 90% of the energy to heat the surface to which it is attached.

The HTR Panel System is not a fire hazard onsite unlike tiger torches, weed burners & torpedo heaters.

The final advantage of the HTR Panel system is that it provide uniform heat around the clock with no environmental harm, where any chemicals such antifreeze rarely do the job and can have serious environmental harm.

HTR Panel System Features

Stand-alone heating system for chutes, bins, hoppers, gates and more.

Custom design heats all of the surface area including the tapered corners where the freezing usually starts.

Save as much as 90% or more on energy costs compared to heating enclosures, only 175 btu (50 watts) per sq. ft. of surface area using the HTR Panel System.

Allows clean up using skid steers and loaders compared to hand labor to clean out enclosures and buildings normally associated with heating bins and hoppers.

Easy installation, stitch weld in place and caulk. If removal is necessary for chute maintenance remove the retaining nuts and the mounting frame stays in place. The stainless steel studs in the mounting frame never rust or corrode.

Available for MSHA/OSHA Section 2 Div. 2 applications.

Junction box on each panel has four 1/2" openings allowing connections between multiple panels using flex conduit.

Heat Sliding Gates- sealed, not affected by water.

Weather proof, not affected by rain or snow.

Available in a range of heat output and insulation options. Select the most economical design for your situation.

Each system comes with controls incorporating a thermostat, ground fault breaker, thermal breaker, on/off switch and indicator light.

Retrofit flop and clamshell gates.

Install in any position.

Benefits of using the HTR Panel System

Reduce heating costs as much as 90% compared to heating enclosures or using grossly oversized heaters.

Eliminate labor costs associated with freezing issues.

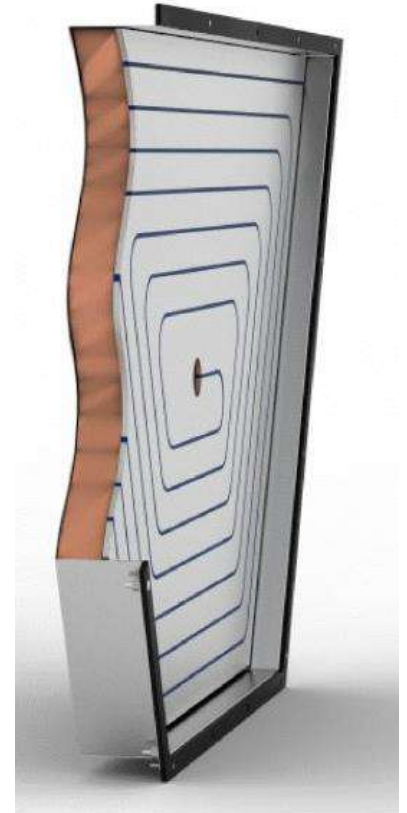
Eliminate downtime and lost production due to freezing issues.
Eliminate construction costs associated with enclosing bins and hoppers.

Install the system in 5% of the time required to build an enclosure.

Pays for itself in a short period of time in energy savings alone.

Heat inaccessible areas not possible with standard heaters.

Not a fire hazard.



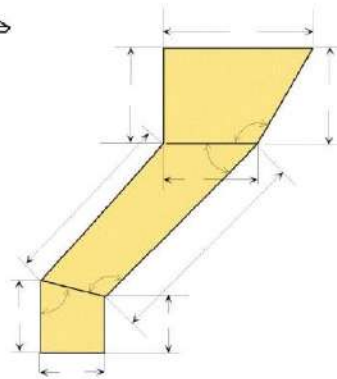
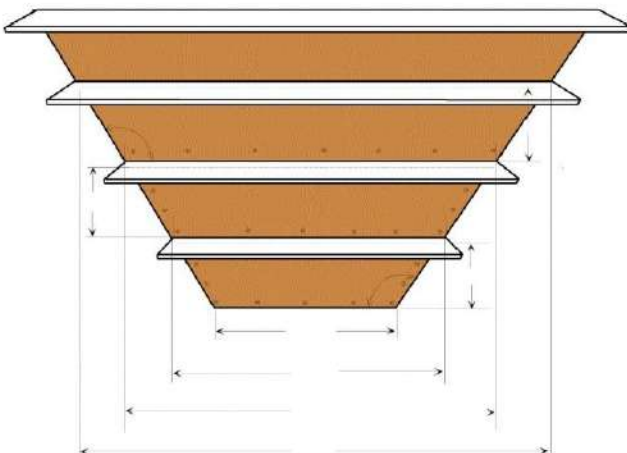
1 Million btu heater on chute that requires less than 2,500 btu to heat, which is 400 times more heat than required (400 times more cost).

Any Size, Any Shape, Any Position



Ordering Information

Each panel is custom built to your exact requirements. Email, fax or mail drawings with precise measurements required for your application. Drawings can be hand sketches, blue prints, AutoCAD, etc. Or, call for a field technician.



Installation

Panels come assembled, stitch weld in place and caulk.

Connect to current, set the thermostat and forget it.

Red pilot light comes on when internal temperature reaches 120°F.