

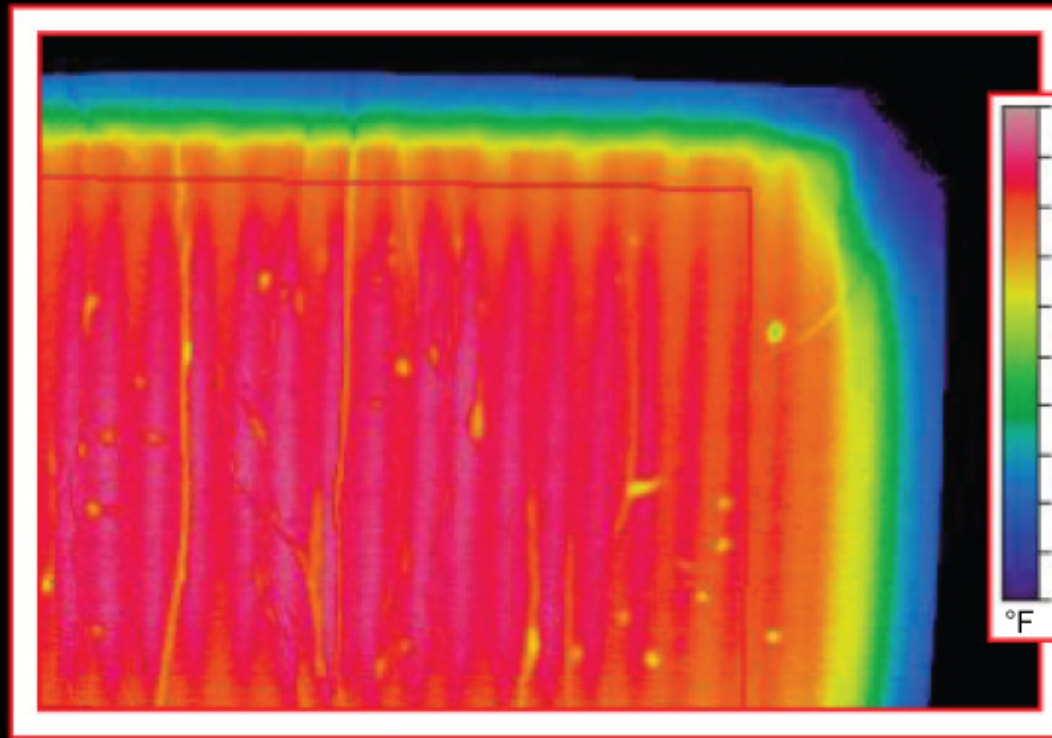
Heating Solutions for Your Industry



powerblanket.com

A Simple Comparison Says It All

Thermal imaging shows GreenHeat™ Technology's superior patented heat spreading capabilities vs. conventional heat trace.

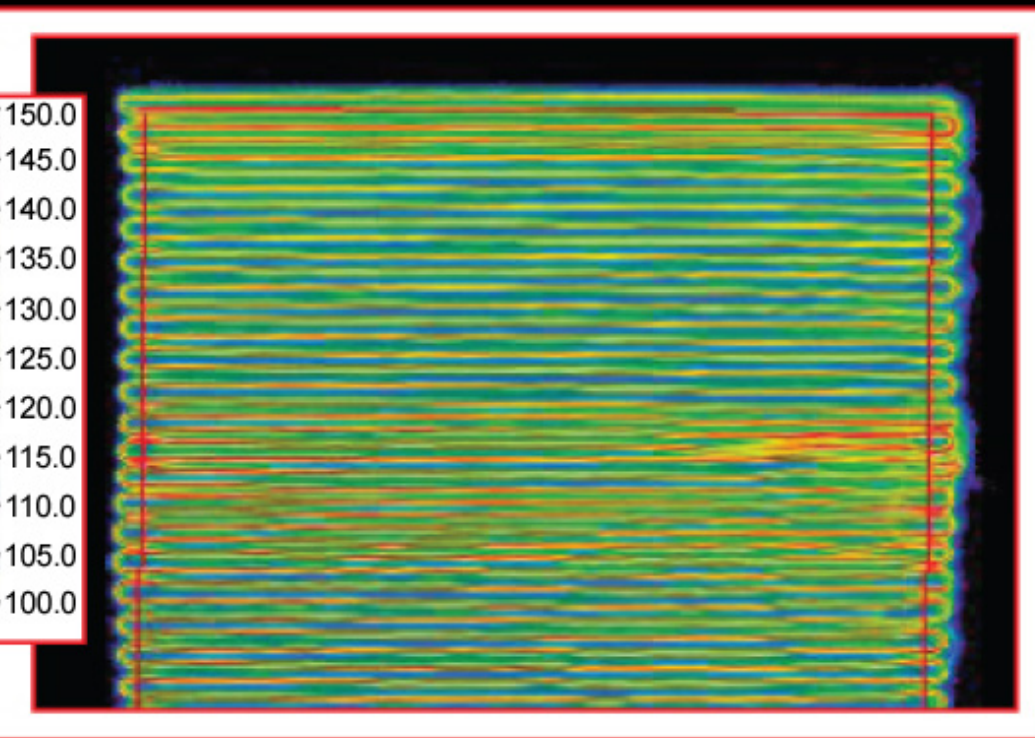


GREENHEAT™
TECHNOLOGY

VS



Certified products available for hazardous locations upon request.



98% of the temperature data points measured within a range of 137° to 147°F – only a 10° difference (53.3° to 63.8°C).

Conventional Heat Trace

Drum and Bucket Warmer



The Powerblanket® Drum and Bucket Warmer, with patented GreenHeat™ technology, protects product by maintaining desired temperature through an evenly heated area, thus reducing downtime. This keeps chemicals and other industrial materials within customer-defined temperature ranges, which means no overheating and burning of product.

This product line fits 55, 30, and 15 gallon drums and 5 gallon buckets.

Powerblanket® Drum and Bucket Warmers:

- Protect product by maintaining desired temperature through an evenly heated area.
- Reduce downtime.
- Prevent product waste by evenly maintaining temperatures.
- Work on both metal and poly drums and pails.
- Provide an insulated full-wrap design that keeps heat in and cold out.
- Heat, insulate and protect materials year round.
- Are certified to UL/CSA/CE standards.

The Pro model comes with an adjustable thermostatic controller that allows customers to set and manage material temperatures from ambient up to 160°F / 71°C ($\pm 2^\circ\text{F}$ / 1°C).

The Rapid Ramp model will quickly heat and keep your materials at a temperature of 100°F / 38°C ($\pm 10^\circ\text{F}$ / 6°C)*. These units use full amps to reach temperature then “ramp” down to about half of the current to maintain that temperature.

*Actual product temperatures may vary depending on boundary conditions.



POWERED BY
GREENHEAT™
PATENTED TECHNOLOGY



U.S. Patent Nos. 7,183,524/7,230,213 and Patents Pending · Certified to UL/CSA Standards · Conforms to ANSI/UL STD 499 · Certified to CAN/CSA C22.2 No 130

Tote and DEF Tote Heater

The Powerblanket® Tote Heater, with patented GreenHeat™ technology, saves product by keeping it within safe temperature ranges. The flexible weather resistant tote heaters fit 275 and 330 gallon IBC totes and include an adjustable thermostatic controller.

Powerblanket® Tote Heaters:

- Save products by keeping them within safe temperature ranges.
- Install easily.
- Safely heat a wide variety of materials.
- Distribute heat evenly using GreenHeat™ technology.
- Include a thermostatic controller to prevent overheating.
- Are certified to UL/CSA/CE standards.

Powerblanket® Diesel Exhaust Fluid (DEF) Tote Heaters:

- Fully enclose and heat the specially designed pump housing.
- Feature an easy access flap for the pump handle.
- Include a thermostatic controller to prevent accidental overheating.



Gas Cylinder Warmer



The Powerblanket® Gas Cylinder Warmer, with patented GreenHeat™ technology, saves money by optimizing the gas temperature and increasing the vaporization rate.

For example, a railway company kept snow off the tracks by installing Powerblanket Gas Cylinder Warmers over their 1000 lb. propane tanks that power their generators along the railway system. Before using the warmers the cold kept the propane from vaporizing, which meant there was not enough pressure in the tank to run the generators.

Powerblanket utilizes patented GreenHeat™ technology that evenly heats the entire surface area of each warmer.



Powerblanket® Gas Cylinder Warmers:

- Save money by by optimizing the gas temperature and increasing the vaporization rate.
- Are fully insulated.
- Are designed to minimize heat loss.
- Are certified to UL/CSA/CE safety standards.

Powerblanket Gas Cylinder Warmers extend “gas mileage” and eliminates unnecessary refills even in cold weather and harsh working conditions.



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Multi-Duty and Extra-Hot Blankets

The Powerblanket® flat blanket, with patented GreenHeat™ technology, saves money by not subjecting projects to costly cold weather delays.

For example, Walsh Construction saved more than \$5.43 for every \$1.00 spent on Powerblanket® heating blankets during a wintertime cold weather concreting job. They calculated this based on the costs of labor and materials to build and move heated enclosures along two-and-one-half miles of a concrete canal wall they were building for the Illinois Waterway.

Massman Construction had a similar experience and said, “We didn’t have the time to wait out the winter for the temperatures to become more moderate. The Powerblanket heating blankets certainly played an important role in keeping us on schedule and not having to postpone the pour on an important Kansas City bridge.”
—Dale Helming, Project Manager



Powerblanket® Multi-Duty and Extra-Hot Blankets:

- Cure concrete 2.8 times faster than standard curing blankets.
- Produce a cold weather concreting strength rating in 72 hours of 3,925 psi vs. a standard curing blanket of 2,162 psi.
- Are easily installed, uninstalled or moved.
- Spread heat evenly, thus using energy more efficiently.
- Are certified to UL/CSA/CE standards.

GreenHeat™ technology powers

Powerblanket® products and allows for even heat distribution including the corners and edges of the concrete.



Bulk Material Warmer (Hot Box)

The Powerblanket® Hot Box, with patented GreenHeat™ technology, saves money by keeping products from overheating or freezing.

For example, Vern Fiehler, of Quick Road Repair in Alaska, saved money by keeping his product from burning up, which is what happened with his old method. He met with the field maintenance crew of the Juneau Alaska International Airport to demonstrate

his product called Instant Road Repair (IRR). For his demonstration, he needed to bring the IRR up to working temperature, and used a forced air ceramic heater to do so. Unfortunately, during the presentation, the product was not performing well. To his surprise, Vern discovered that the product overheated 40°F / 22°C past its maximum temperature. That cost him a pallet of product and embarrassed him. Since then, Vern uses the Powerblanket Hot Box.



Designed with structural integrity, including an internal freestanding frame, the Hot Box can be easily assembled, disassembled, and reassembled. This makes it ideal for transporting, job site heating, remote location use, and other heating requirements. Adjustable thermostatic controllers control for the desired temperature.

Powerblanket® Hot Boxes:

- Preserve temperature sensitive material.
- Install quickly and effortlessly and are compact and portable for storage.
- Heat palletized products, like paint, caulk, resins and epoxies.
- Feature top and side access doors.
- Are certified to UL/CSA/CE standards.



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Pipe Warmer

The Powerblanket® Heated Pipe Wrap, with patented GreenHeat™ technology, saves labor costs and downtime through easy installation, uninstallation and reinstallation. We specialize in protecting fluids from harsh outdoor environments.

Pipe Warmers create many possible efficient and cost-effective heating solutions.

Powerblanket® Pipe Warmers:

- Save labor costs and downtime through easy installation, uninstallation and reinstallation.
- Protect down to -40°F / -40°C.
- Come in multiple lengths and diameters.
- Prepare pipes for coatings.
- Are certified to UL/CSA/CE standards.



Foam Box and Cylinder Warmer



The Powerblanket® Foam Box and Cylinder Warmer, with patented GreenHeat™ technology, allows foam to function properly in cold ambient temperatures, which keeps jobs on schedule. The warmer delivers a barrier of insulated heat to spray foam and other products which create an optimal application environment.

Powerblanket® Foam Box Warmers:

- Allow foam to function properly in cold ambient temperatures, which keeps jobs on schedule.
- Heat portable spray foam kit boxes and cylinders.
- Maintain constant temperature while spraying.
- Warm caulking, paints and work supplies.
- Heat hoses, nozzles, guns and equipment.
- Feature a top lid for easy product access.
- Are certified to UL/CSA/CE standards.



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2012-2013 Powerblanket® Specifications

DRUMS, BUCKETS, TOTES & CYLINDERS							
Product Category	Model Number	Approx. Temp	Blanket Dimensions	Voltage	Wattage (+/- 5%)	Amps (+/- 5%)	Approx. Weight
55 Gallon / 208 liter Drum	BH55RR Includes Rapid Ramp Technology	100° ± 10° F / 38°C ± 5° C	36" x 82" / 91cm x 208cm	120V	400 / 800	3.33 / 6.67	11 lbs / 5 kg
	BH55 Pro Includes Thermostatic Controller	160° ± 10° F / 71°C ± 5° C	36" x 82" / 91cm x 208cm	120V	960	8.00	13 lbs / 6 kg
30 Gallon / 114 liter Drum	BH30RR Includes Rapid Ramp Technology	100° ± 10° F / 38°C ± 5° C	32" x 72" / 82cm x 183cm	120V	280 / 560	2.33 / 4.67	9 lbs / 4 kg
	BH30 Pro Includes Thermostatic Controller	160° ± 10° F / 71°C ± 5° C	32" x 72" / 82cm x 183cm	120V	720	6.00	11 lbs / 5 kg
15 Gallon / 57 liter Drum	BH15RR Includes Rapid Ramp Technology	100° ± 10° F / 38°C ± 5° C	28" x 54" / 71cm x 138cm	120V	160 / 320	1.33 / 2.67	7 lbs / 3 kg
	BH15 Pro Includes Thermostatic Controller (GHT2002J)	160° ± 10° F / 71°C ± 5° C	28" x 54" / 71cm x 138cm	120V	400	3.33	9 lbs / 4 kg
5 Gallon / 19 liter Bucket	BH05RR Includes Rapid Ramp Technology	100° ± 10° F / 38°C ± 5° C	16" x 47" / 40cm x 120cm	120V	60 / 120	0.50 / 1.00	4 lbs / 2 kg
	BH05 Pro Includes Thermostatic Controller	160° ± 10° F / 71°C ± 5° C	16" x 47" / 40cm x 120cm	120V	160	1.33	6 lbs / 3 kg
Product Category	Model Number	Container Volume / Size	Blanket Dimensions	Voltage	Wattage (+/- 5%)	Amps (+/- 5%)	Approx. Weight
Tote Heaters (Includes Digital Thermostatic Controller)	TH330	330 Gal / 1250 l	56" x 14' 6"	120V	1,440	12.00	45 lbs / 20 kg
		Tank Dims: 48"L x 40"W x 53"H	143cm x 4.4m				
	TH330 Diesel Exhaust Fluid (DEF) Housing Unit	330 Gal / 1250 l	56" x 18' 1"	120V	1,440	12.00	105 lbs / 47 kg
		Tank Dims: 48"L x 40"W x 53"H	1.4m x 5.5m				
	TH275	275 Gal / 1040 l	49" x 14' 6"	120V	1,440	12.00	41 lbs / 19 kg
		Tank Dims: 48"L x 40"W x 46"H	125cm x 4.4m				
TH275 Diesel Exhaust Fluid (DEF) Housing Unit	275 Gal / 1040 l	56" x 18' 1"	120V	1,440	12.00	100 lbs / 45 kg	
	Tank Dims: 48"L x 40"W x 46"H	1.4m x 5.5m					
Hot Box (Includes Digital Thermostatic Controller)	HB48	48 cu. ft. / 1.36 cu. m	3' x 4' x 4'	120V	1,120	9.33	50 lbs / 23 kg
			91cm x 122cm x 122cm				
HB64	64 cu. ft. / 1.81 cu. m	4' x 4' x 4'	120V	1,440	12.00	60 lbs / 27 kg	
			122cm x 122cm x 122cm				
Gas Cylinder Warmers (Propane Tank Warmers) Approx Temp 90° ± 10° F / 32°C ± 5° C	GCW20 (20lb)	12.25"D x 18"H / 31cm x 46cm	20" x 45" / 51cm x 114cm	120V	120	1.00	4 lbs / 2 kg
	GCW30 (30lb)	12.25"D x 23.75"H / 31cm x 61cm	26" x 45" / 66cm x 114cm	120V	160	1.33	6 lbs / 3 kg
	GCW40 (40lb)	12.25"D x 29.25"H / 31cm x 74cm	33" x 45" / 84cm x 114cm	120V	280	2.33	8 lbs / 4 kg
	GCW100 (100lb)	15"D x 48"H / 38cm x 122cm	50" x 52" / 127cm x 132cm	120V	550	4.58	12 lbs / 5 kg
	GCW420 (420lb)	30"D x 52"H / 76cm x 132cm	53"x104" / 135cm x 264cm	120V	960	8.00	20 lbs / 9 kg
Foam Box Warmer	FBW60	Single Component Foam Cylinder Box (A or B)	13" x 13" x 23" 33cm x 33cm x 59cm	120V	280	2.33	8 lbs / 4 kg
	FBW15	2 Component Foam Cylinder Box	16" x 16" x 16" 41cm x 41cm x 41cm	120V	280	2.33	8 lbs / 4 kg
THAWING, CURING & SURFACE HEATING							
Product Category	Model Number	Blanket Dimensions (Feet / Meters)	Area	Voltage	Wattage (+/- 5%)	Amps (+/- 5%)	Approx Weight
Multi-Duty	MD1123NH	11' x 23' / 3.35m x 7.01m	253 sq ft / 23.5 sq m	120V	2,400	20.00	103 lbs / 46 kg
	MD1010NH	10' x 10' / 3.01m x 3.01m	100 sq ft / 9.3 sq m	120V	1,440	12.00	53 lbs / 24 kg
	MD0625NH	6' x 25' / 1.83m x 7.62m	150 sq ft / 14 sq m	120V	1,440	12.00	62 lbs / 28 kg
	MD0612NH	6' x 12' / 1.83m x 3.66m	72 sq ft / 6.7 sq m	120V	960	8.00	33 lbs / 15 kg
	MD0409NH	4' x 9' / 1.22m x 2.74m	36 sq ft / 3.3 sq m	120V	400	3.33	17 lbs / 7 kg
	MD0325NH	3' x 25' / 0.91m x 7.62m	75 sq ft / 7 sq m	120V	720	6.00	30 lbs / 14 kg
Extra-Hot	MD0312NH	3' x 12' / 0.91m x 3.66m	36 sq ft / 3.3 sq m	120V	360	3.00	15 lbs / 7 kg
	EH0612NH	6' x 12' / 1.83m x 3.66m	72 sq ft / 6.7 sq m	120V	1,920	16.00	33 lbs / 15 kg
	EH0409NH	4' x 9' / 1.22m x 2.74m	36 sq ft / 3.3 sq m	120V	960	8.00	17 lbs / 7 kg
	EH0405NH	4' x 5' / 1.22m x 1.52m	20 sq ft / 1.9 sq m	120V	400	3.33	10 lbs / 5 kg
	EH0325NH	3' x 25' / 0.91m x 7.62m	75 sq ft / 7 sq m	120V	1,440	12.00	30 lbs / 14 kg
	EH0312NH	3' x 12' / 0.91m x 3.66m	36 sq ft / 3.3 sq m	120V	720	6.00	15 lbs / 7 kg
EH0202NH	2' x 2' / 0.61m x 0.61m	4 sq ft / 0.4 sq m	120V	95	0.79	3 lbs / 1 kg	
ALL BLANKETS ARE UL / CSA / CE CERTIFIED							
PIPES & TANKS							
Pipe Wraps (Standard Sch 40)	Standard Diameters available: 4 in - 12 in / 5cm - 30.5cm		Pipe Thaw and Freeze Protection models available. Call us to determine the size and model of pipe wrap is best for your specific needs!				
Tanks	Standard Lengths available: 5, 10, and 20 ft / 1.5, 3.1 and 6.0m		500 Gal Gravity Flow Tanks, Oilfield Tanks, 400 BBL, Frac Tanks, Silos, Diesel Fuel Tanks, Custom Tanks, etc. Call us for more information.				

* All temperatures may change based on boundary conditions



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