



# FLEXOTHERM™ HEATED BLANKETS

**Heat Grid**  
FLEXOTHERM

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A Neptech Inc. Company



# FLEXOTHERM™ INDUSTRIAL HEATED VINYL BLANKETS

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## HEATGRID INFORMATION

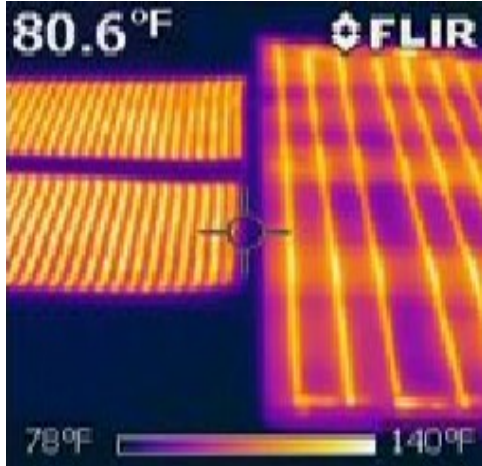


Diagram A

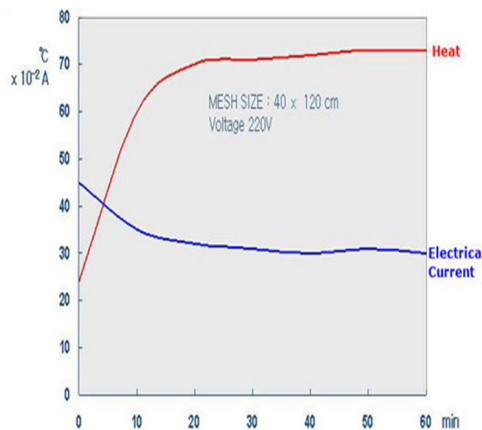


Diagram B

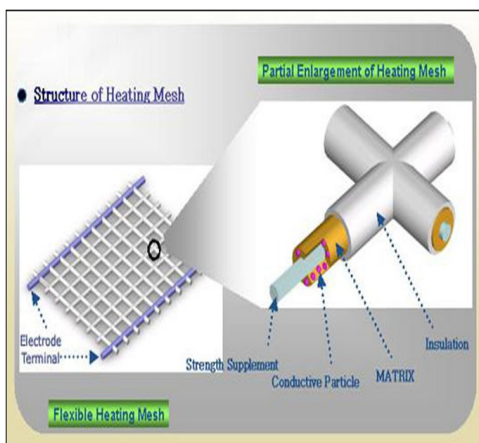


Diagram C

- ◆ HeatGrid™ is a patented heating technology that is a positive temperature coefficient device. Opposed to traditional heating technology, HeatGrid™ temperature increases during the first 20 minutes of operation, while the electrical current decreases. (See Diagram B).
- ◆ HeatGrid™ technology is compared to traditional methods in Diagram A. HeatGrid™ is image on the left and competitor image on the right. Notice the even distribution of the HeatGrid™ vs. standard resistance wire technology.
- ◆ HeatGrid™ is comprised of electrode terminals that are made of flexible copper wire—providing a rapid heat source with excellent bending capabilities and effective, even heating—up to 165°F (74°C).
- ◆ Diagram C on the left shows the external AC or DC (optional) voltage being applied to the outer edge terminals. Each hot mesh structure consists of at least two terminal. The electrode terminals are interconnected by a flexible mesh which contains the thermal alloy.

**Flexotherm™** brand of heated vinyl products with HeatGrid™ technology are available in multiple size and voltage configurations. For more information contact us at 810.225.2222



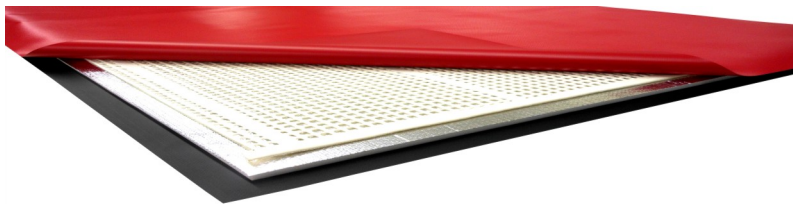
## 5 GALLON HEATED BLANKETS

**Flexotherm™** manufactures a custom designed, high quality pail/bucket blanket suitable for a wide variety of plastic, fiber, and metal containers.

Our blankets offer an even and continuous heat source for any type of job you need done.

### Features

- ♦ Outfitted with a GFCI for extra security for both the product and user.
- ♦ The high efficiency carbon heating grid evenly distributes heat over the entire blanket area.
- ♦ The heating element is built with a integrated fixed temperature Thermostat as a Redundant Safety Feature
- ♦ Our heating elements, unlike others, decreases current as temperature increases which results in a safer product.



### Construction

All models utilize Heavy Duty vinyl that is NFPA Certified Flame Retardant.

- ♦ The Heavy Duty vinyl used is also scuff, water, and UV resistant.
- ♦ We outfit our blankets with adjustable retaining straps and quick release plated buckles—CONTAINER MODELS ONLY
- ♦ Vinyl Panel Perimeters are sealed with Fully Welded Seam.
- ♦ Every blanket includes a Foil Faced High Thermal Efficiency Closed Cell Foam Insulation, directing the infra-red heat to the product being heated.

Model	Approx. Temp	Blanket Dimensions	Element Dimensions	Wattage	Amps
122°F (50°C) Temperature Model	113°F - 131°F (45°C - 55°C)	16" x 46" (40.64 cm x 116.84 cm)	14" x 39.4" (35.56 cm x 100.076 cm)	116 Watts	1 Amps
158°F (70°C) Temperature Model	149°F - 167°F (65°C - 75°C)	16" x 46" (40.64 cm x 116.84 cm)	14" x 39.4" (35.56 cm x 100.076 cm)	165 Watts	1.4 Amps

## 55 GALLON HEATED BLANKETS



**Flexotherm™** manufactures a custom designed, high quality heated drum/barrel blanket suitable for a wide variety of plastic, fiber, and metal containers.

Our blankets offer an even and continuous heat source for any type of job you need done.

### Features

- ♦ Outfitted with a GFCI for extra security for both the product and user.
- ♦ The high efficiency carbon heating grid evenly distributes heat over the entire blanket area.
- ♦ Each heating element is built to reach a maximum temperature (model dependent). Temperature can be controlled with an optional Flexotherm™ Temperature Control Module.
- ♦ Our heating elements, unlike others, decreases current as temperature increases which results in a safer product.



### Construction

All models utilize Heavy Duty vinyl that is NFPA Certified Flame Retardant.

- ♦ The Heavy Duty vinyl used is also scuff, water, and UV resistant.
- ♦ We outfit our blankets with adjustable retaining straps and quick release plated buckles—CONTAINER MODELS ONLY
- ♦ Vinyl Panel Perimeters are sealed with Fully Welded Seam.
- ♦ Every blanket includes a Foil Faced High Thermal Efficiency Closed Cell Foam Insulation, directing the infra-red heat to the product being heated.

Model	Blanket Dimensions	Element Dimensions	Wattage	Amps
122°F (50°C) Temperature Model	36" x 86" (91.44 cm x 218.44 cm)	33" x 74" (83.82 cm x 187.96 cm)	546 Watts	5 Amps
158°F (70°C) Temperature Model	36" x 86" (91.44 cm x 218.44 cm)	33" x 74" (83.82 cm x 187.96 cm)	780 Watts	7 Amps

## HEATED TOTE BLANKETS

**Flexotherm™** manufactures state-of-the-art Heated Tote Blankets for a multitude of applications and jobs. Our Blankets utilize our patented HeatGrid Technology.

The Heated Tote Blanket wraps perfectly to provide deep heat penetration for temperature sensitive materials.

### Features

- ◆ Protected by an integrated GFCI
- ◆ Constructed of heavy-duty, rugged vinyl that is water, wear, and UV resistant.
- ◆ Can be customized to your specifications and application.
- ◆ Adjustable straps for a secure and complete fit
- ◆ Works with metal and poly totes
- ◆ Available in 275 and 330 gallon models
- ◆ Ideal for epoxies, water, chemicals, resins, rubber, etc.



### HeatGrid Technology

- ◆ Utilizes Far Infrared Technology
- ◆ HeatGrid Temperature increases during the first 20 minutes of operation, while electrical current decreases
- ◆ Comprised of electrode terminals that provide a rapid heat source
- ◆ Effective heating up to 165°F (74°C)
- ◆ Available in multiple size and voltage configurations

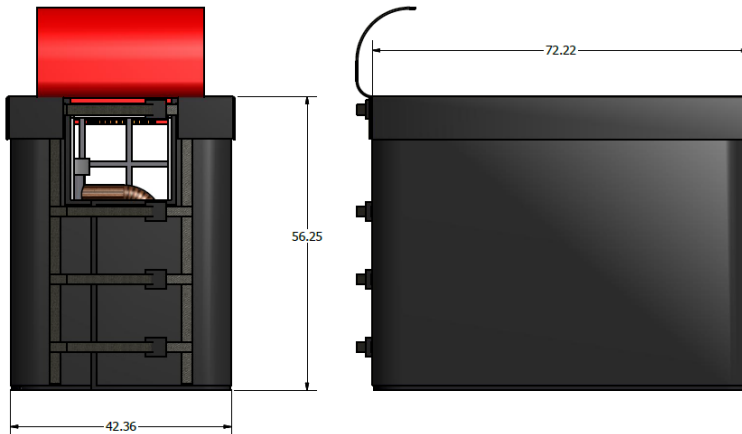
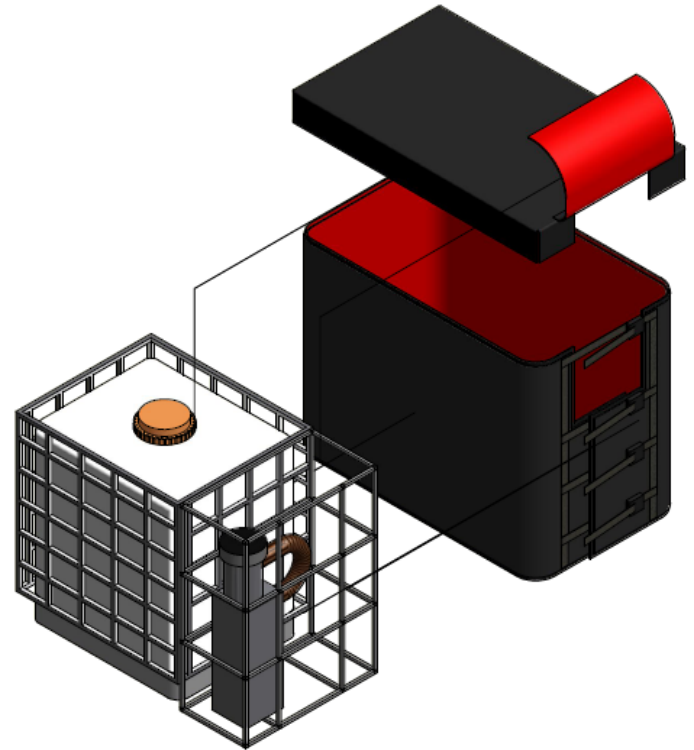
Model	Approx. Temp	Voltage	Wattage	Amps
275 Gallon	136°F (58°C)	120 VAC	1440 Watts	12 Amps
330 Gallon	136°F (58°C)	120 VAC	1440 Watts	12 Amps
330 Gallon DEF Tote System	Controlled to desired temperature	120 VAC	1440 Watts	12 Amps

## HEATED DEF TOTE BLANKETS

**Flexotherm™** manufactures heated Diesel Emission Fluid (DEF) tote blankets to help protect the fluids from low temperatures and to extend the shelf life of them. Providing a complete and even heat throughout, the tote blankets are the best way to protect your investment.

### Features

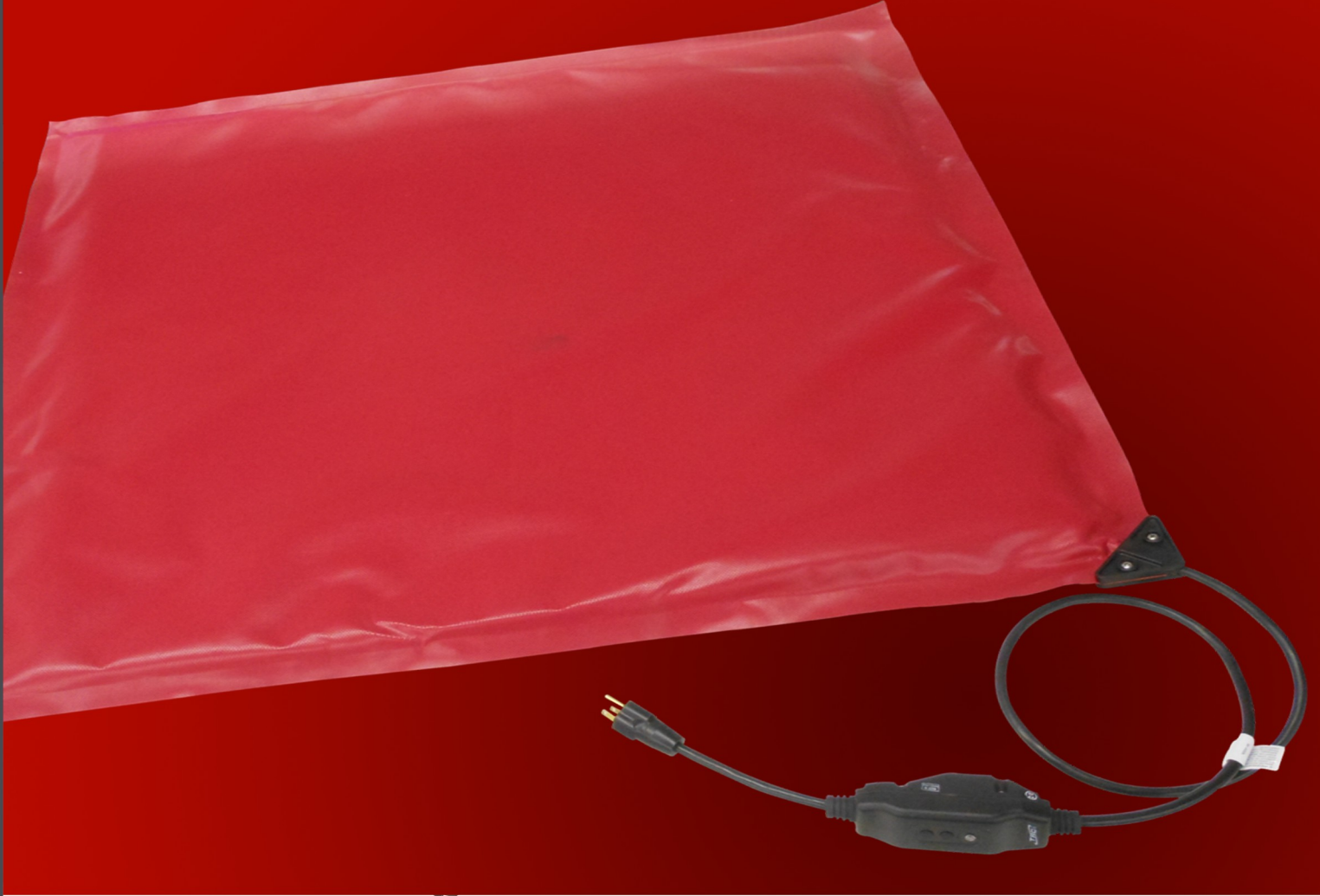
- Available in 275 and 330 Gallon models
- Protected by an integrated GFCI
- Constructed of heavy-duty, rugged vinyl that is water, wear, and UV resistant
- Can be customized to your specifications and application.
- Adjustable straps for a secure and complete fit.
- Works with metal and poly totes
- Ideal for epoxies, DEF, water, chemicals, resins, rubber, etc.



- Utilizes Far Infrared Technology
- DEF Tote Systems include extended frame for the pump housing, controller, and insulated cover
- Utilizes a HeatGrid™ Heating Element
- The HeatGrid heating element increases temperature during the first 20 minutes of operation, while electrical current decreases.
- HeatGrid™ is comprised of electrode terminals that provide a rapid heat source

Model	Approx. Temp	Voltage	Wattage	Amps
330 Gallon DEF Tote System	Controlled to desired temperature	120 VAC	1440 Watts	12 Amps





## FLEXOTHERM™ CURING BLANKETS

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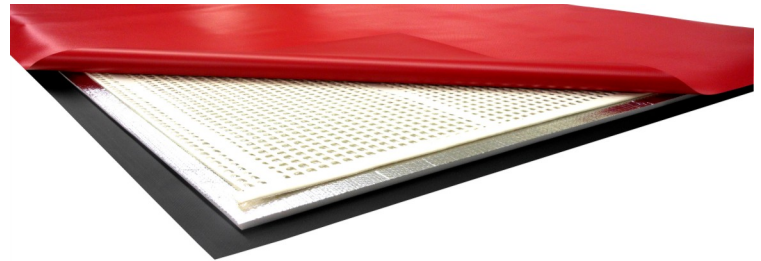
## HEATED CURING BLANKETS

**Flexotherm™** manufactures custom designed, high quality, concrete curing blankets to help protect the concrete from harmful elements and to ensure that it cures completely and evenly.

Flexotherm™ Concrete Curing Blankets can be custom made to your specifications to ensure the job is done correctly.

### Features

- ◆ Flexotherm™ Concrete Curing Blankets are outfitted with an adjustable thermostat to allow the user to set the exact temperature needed for the job.
- ◆ The high efficiency carbon heating grid evenly distributes heat over the entire blanket area.
- ◆ Helps prevent concrete cracking, freezing, or accelerated drying.
- ◆ Our heating element technology, HeatGrid™, unlike others, decreases current as temperature increases. This results in a safer product.



### Applications

- ◆ Transportation Bridges
- ◆ Concrete
- ◆ Ground Thaw
- ◆ Concrete Walls
- ◆ Structure Beams
- ◆ Construction Applications
- ◆ Concrete Casting
- ◆ Public Streets
- ◆ Transportation Systems
- ◆ Concrete Curing

Model	Approx. Temp	Voltage	Wattage	Amps
6.5' x 3'	158°F (70°C)	120 VAC	780 Watts	7 Amps
13' x 3'	158°F (70°C)	120 VAC	1560 Watts	13 Amps
15' x 3'	136°F (58°C)	120 VAC	1440 Watts	12 Amps
6.5' x 6'	158°F (70°C)	120 VAC	1560 Watts	13 Amps



# FLEXOTHERM™ GROUND THAW BLANKETS

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## HEATED GROUND THAWING BLANKETS

**Flexotherm™** manufactures custom designed, high quality, heated ground thawing mats for a multitude of applications and industries.

Our mats offer an even and continuous heat source for any type of job you need done.

Our Ground Thawing mats are made with the following features:

- ◆ Flexotherm™ Ground Thawing mats can be custom made with customer specifications.
- ◆ The high efficiency carbon heating grid evenly distributes heat over the entire blanket area.
- ◆ The heating element is built with an Integrated Temperature Thermostat as a Redundant Safety Feature.
- ◆ Our heating elements, unlike others, decreases current as temperature increases, which results in a safer product.
- ◆ Outfitted with a GFCI for extra security for both the product and user.



Model	Approx. Temp	Voltage	Wattage	Amps
6.5' x 3'	158°F (70°C)	120 VAC	780 Watts	7 Amps
13' x 3	158°F (70°C)	120 VAC	1560 Watts	13 Amps
15' x 3	158°F (70°C)	120 VAC	1440 Watts	12 Amps
6.5' x 6'	158°F (70°C)	120 VAC	1560 Watts	13 Amps

### Construction

- ◆ All models utilize Heavy Duty vinyl that is NFPA Certified Flame Retardant.
- ◆ The Heavy Duty vinyl used is also scuff, water, and UV resistant.
- ◆ Vinyl Panel Perimeters are sealed with Fully Welded Seam.
- ◆ Every blanket includes a Full-Layer of high thermal efficiency, Closed Cell Foul Faced Insulation, directing the infrared heat to the desired location.



## 6' X 6' UTILITY POLE HEATED BLANKETS

**Flexotherm™** manufactures custom designed, high quality blankets for a multitude of applications and industries.

Our blankets offer an even and continuous heat source for most type job requirements.

Our Flexible Heating Blankets are made with the following features:

- ♦ Outfitted with a GFCI for extra security for both the product and user.
- ♦ The high efficiency carbon heating grid evenly distributes heat over the entire blanket area.
- ♦ The heating element is built with a integrated fixed temperature thermostat as a an added safety feature.
- ♦ Our heating elements, unlike others, decreases current as temperature increases which results in a safer product.



<b>Model</b>	158°F (70°C) Temperature Model
<b>Approx. Temp</b>	149°F—167°F (650°C — 75°C)
<b>Blanket Dimensions</b>	72" x 72" (182.9cm x 182.9cm)
<b>Wattage</b>	1320 Watts
<b>Amps</b>	11 Amps
<b>Voltage</b>	120VAC

### Construction

- ♦ All models utilize Heavy Duty vinyl that is NFPA Certified Flame Retardant.
- ♦ The Heavy Duty vinyl used is also scuff, water, and UV resistant.
- ♦ Vinyl Panel Perimeters are sealed with Fully Welded Seam
- ♦ Every blanket includes a Full-Wrap of high thermal efficiency Closed Cell Foil Faced Insulation, directing the infrared heat to the product being heated.



## HEATGRID™ MSRP

	A. Non Stocking	B. Stocking - Preferred	C. Stocking - Referral
Dealer Discount	15%	25%	30%
Terms	Pre- Payment	Net 30/Upon Approval	Net 30/Upon Approval
Credit Limit	\$0	Upon Credit Approval	Upon Credit Approval
Drop Ship Fees May Apply	5%	5%	2%
Freights Charges	FOB Origin/Highland, MI	FOB Origin/Highland, MI	FOB Origin/Highland, MI
CUSTOMER REQUIREMENTS			
Provide Resale Certificate	Yes	Yes	Yes
Initial Purchase	None	\$4,000	\$7,500
<p>*Accounts must be current in order to receive earned discount and applied corresponding terms.</p> <p>*Terms and credit limits will be determined at the discretion of Neptech Inc. credit department.</p> <p>*Any and all pricing reflect U.S.D</p>			
Part Number	Description	Electrics - Temperature	MSRP
<b>Container Heating - Control</b>			
HVB-A-01-350-040-016-06-2-50	5 Gallon Heated Blanket	50C/122F - 120VAC - 116W - 1.0Amp	\$ 375.00
HVB-A-02-500-040-016-06-2-70	5 Gallon Heated Blanket	70C/158F - 120VAC - 165W - 1.4Amp	\$ 425.00
HVB-A-04-250-078-036-08-3-38	55 Gallon Drum Heated Blanket	38C/100F - 120VAC - 500W - 4Amp	\$ 625.00
HVB-A-05-350-078-036-08-3-50	55 Gallon Drum Heated Blanket	50C/122F - 120VAC - 546W - 5Amp	\$ 645.00
HVB-A-07-500-078-036-08-3-70	55 Gallon Drum Heated Blanket	70C/158F - 120VAC - 780W - 7Amp	\$ 695.00
HVB-A-12-412-184-047-00-4-58	275 Gallon Tote Heated Blanket	58C/136F - 120VAC - 1440W - 12Amp	\$ 1,575.00
HVB-A-12-412-184-056-00-4-58	330 Gallon Tote Heated Blanket	58C/136F - 120VAC - 1440W - 12Amp	\$ 1,675.00
HVB-A-12-412-226-056-00-4-58	330 Gallon DEF Tote System - Includes Ext. Frame, Controller,	12Amp (Controlled to desired temperature)	\$ 2,900.00
<b>Heated Ground Thaw</b>			
HVB-A-07-500-078-036-00-G-70	6.5' x 3' Heated Ground Thaw	70C/158F - 120VAC - 780W - 7Amp	\$ 695.00
HVB-A-13-500-156-036-00-G-70	13' x 3' Heated Ground Thaw	70C/158F - 120VAC - 1560W - 13Amp	\$ 950.00
HVB-A-12-412-176-036-00-G-58	15' x 3' Heated Ground Thaw	58C/136F - 120VAC - 1440W - 12Amp	\$ 1,625.00
HVB-A-13-500-078-072-00-G-70	6.5' x 6' Heated Ground Thaw	70C/158F - 120VAC - 1560W - 13Amp	\$ 1,050.00
HVB-A-11-500-078-069-00-G-70	Utility Pole Ground Htd. Thaw - Key Hole Design for Utility Poles and Posts	70C/158F - 120VAC - 1320W - 11Amp	\$ 1,150.00
<b>Heated Curing Blankets</b>			
HVB-A-07-500-078-036-00-0-70	6.5' x 3' Heated Curing Blanket	70C/158F - 120VAC - 780W - 7Amp	\$ 695.00
HVB-A-13-500-156-036-00-0-70	13' x 3' Heated Curing Blanket	70C/158F - 120VAC - 1560W - 13Amp	\$ 950.00
HVB-A-12-412-176-036-00-0-58	15' x 3' Heated Curing Blanket	58C/136F - 120VAC - 1440W - 12Amp	\$ 1,625.00
HVB-A-13-500-078-072-00-0-70	6.5' x 6' Heated Curing Blanket	70C/158F - 120VAC - 1560W - 13Amp	\$ 1,050.00
<b>Accessories</b>			
	Liquid Temperature Controller	110VAC - NEMA 4 Enclosure - Wired	\$ 129.95
Custom Sizes Available	Constructed of 18oz Heavy Duty Vinyl	All Blankets come with GFCI	2 Year Limited Warranty*