



"Upon the implementation of using our new DEF system to stay compliant with EPA regulations, Powerblanket® provided an effective and energy efficient freeze protection system with its DEF Tote Heater System. We installed the unit and forgot about it, knowing our product is being protected, which gives us peace of mind."

Jerri Brumfield

HERE'S HOW TOTE & DEF TOTE HEATERS WORK

- Distribute heat evenly around the tote
- Designed to be durable and weather resistant
- Provide easy access with a removable top
- Include an adjustable thermostatic controller
- Safely heat and protect a wide variety of chemicals and materials
- Fully enclose and heat the tote and pump housing unit
- 330 gallon version features flap to easily access pump
- Internal thermostats keep product temperature in spec
- Customized DEF bulk storage tanks available upon request

TOTE & DEF TOTE HEATERS

Powerblanket® Tote Heaters maintain optimal heating conditions for temperature sensitive materials, and Powerblanket DEF Tote Heaters are temperature specific to protect Diesel Exhaust Fluid from freezing and to maintain optimal temperatures.

330 GALLON DEF TOTE HEATER



powerblanket

350 GALLON TOTE HEATER



WANT GREATER PEACE OF MIND?
Try Powerblanket with Beacon Controllers

powerblanket
TOTE & DEF TOTE HEATERS

Product Category	Model #	Temperature Control	Approximate Product Temp*	Container Volume Size	Container Dimensions	Plug Type	AC Voltage	Wattage (+/-5%)	Amps	Approximate Weight/ Mass
IBC TOTE HEATERS	TH250	Programmable Digital Controller	up to 145° F (+ 5° F) / 63° C (+ 3° C)	250 Gallon / 950 L	48"L x 42"W x 35"H	15 AMP Plug	120V	1033	8.60	39 lbs / 18 kg
	TH250-240V	Programmable Digital Controller	up to 145° F (+ 5° F) / 63° C (+ 3° C)	250 Gallon / 950 L	48"L x 42"W x 35"H	15 AMP Plug	240V	1650	6.80	39 lbs / 18 kg
	TH275	Programmable Digital Controller	up to 145° F (+ 5° F) / 63° C (+ 3° C)	275 Gallon / 1040 L	48"L x 40"W x 46"H	15 AMP Plug	120V	1440	12.00	41 lbs / 19 kg
	TH275-240V	Programmable Digital Controller	up to 145° F (+ 5° F) / 63° C (+ 3° C)	275 Gallon / 1000 L	48"L x 40"W x 46"H	15 AMP Plug	240V	2400	10.00	41 lbs / 19 kg
	TH330	Programmable Digital Controller	up to 145° F (+ 5° F) / 63° C (+ 3° C)	330 Gallon / 1250 L	48"L x 40"W x 53"H	15 AMP Plug	120V	1440	12.00	45 lbs / 20 kg
	TH330-240V	Programmable Digital Controller	up to 145° F (+ 5° F) / 63° C (+ 3° C)	330 Gallon / 1250 L	48"L x 40"W x 53"H	15 AMP Plug	240V	2400	10.00	45 lbs / 20 kg
	TH350	Programmable Digital Controller	up to 145° F (+ 5° F) / 63° C (+ 3° C)	350 Gallon / 1325 L	48"L x 42"W x 47"H	15 AMP Plug	120V	1440	12.00	47 lbs / 21 kg
	TH350-240V	Programmable Digital Controller	up to 145° F (+ 5° F) / 63° C (+ 3° C)	350 Gallon / 1325 L	48"L x 42"W x 47"H	15 AMP Plug	240V	2400	10.00	47 lbs / 21 kg
	TH450	Programmable Digital Controller	up to 145° F (+ 5° F) / 63° C (+ 3° C)	450 Gallon / 1325 L	48"L x 42"W x 59"H	15 AMP Plug	120V	1440	12.00	50 lbs / 23 kg
	TH450-240V	Programmable Digital Controller	up to 145° F (+ 5° F) / 63° C (+ 3° C)	450 Gallon / 1325 L	48"L x 42"W x 59"H	15 AMP Plug	240V	2400	10.00	50 lbs / 23 kg
	TH550	Programmable Digital Controller	up to 145° F (+ 5° F) / 63° C (+ 3° C)	550 Gallon / 1325 L	48"L x 42"W x 71"H	15 AMP Plug	120V	1440	12.00	53 lbs / 24 kg
TH550-240V	Programmable Digital Controller	up to 145° F (+ 5° F) / 63° C (+ 3° C)	550 Gallon / 1325 L	48"L x 42"W x 71"H	15 AMP Plug	240V	2400	10.00	53 lbs / 24 kg	
DEF TOTE HEATERS	TH275D	Internal Preset	70° F (+ 10° F) / 21° C (+ 5° C)	275 Gallon / 1000 L	48"L x 40"W x 46"H	15 AMP Plug	120V	1440	12.00	100 lbs / 45 kg
	TH330D	Internal Preset	70° F (+ 10° F) / 21° C (+ 5° C)	330 Gallon / 1250 L	48"L x 40"W x 53"H	15 AMP Plug	120V	1440	12.00	105 lbs / 48 kg

READY TO SHIP



SAVE TIME & MONEY



OPTIMIZE OPERATIONS



PROTECT MATERIALS & EQUIPMENT

WHEN DOES DEF FREEZE?

DEF, because of the urea content, does not have the freezing point of water. The urea mixture has a much lower freezing point of 12°F/-11°C. This solution doesn't break into just urea and just water, either. The solution freezes at the same rate, and also thaws at the same rate. This means that at no point does the DEF freezing cause the solution to become over concentrated or diluted. DEF will begin to slush and then freeze. There is no harm to the product which means that the urea solution is still safe to use if it has been frozen. No one wants to deal with the inconvenience of frozen DEF. Powerblanket DEF Totes are an ideal solution.

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