

## HERE'S HOW TOTE & DEF TOTE HEATERS WORK



### EVEN & SAFE

Distribute heat evenly around the tote and safely heat a wide variety of materials

### WEATHER RESISTANT

Designed to be durable and weather resistant

### EASY ACCESS

Provide easy access with a removable top

### CONTROLLER

An adjustable thermostatic controller and internal thermostats keep temperature in spec

### PROTECT THE PUMP

Fully enclose and heat the tote and pump housing unit

### CUSTOMIZE

Customized DEF bulk storage tanks available upon request

*\*330 gallon version features*

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## TOTE & DEF TOTE HEATERS

Powerblanket tote heaters maintain optimal heating conditions for temperature sensitive materials and solve viscosity issues. Powerblanket DEF tote Heaters are temperature specific to protect Diesel Exhaust Fluid from freezing. Whether you need temperature control for storage or active use, Powerblanket tote heaters will make a difference.

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### WHEN DOES DEF FREEZE?

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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. No one wants to deal with the inconvenience of frozen DEF.

## POWERBLANKET STANDARD PRODUCT SPECS

Product Category	Model #	Temperature Control	Approximate Product Temp*	Container Volume	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	8.6	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	6.8	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	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	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	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	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	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	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	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	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	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	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	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	105 lbs / 48 kg

IBC TOTE & DEF TOTE HEATERS



### ERIC, A COLORADO ENERGY COMPANY

Powerblanket, your tote heater blankets have been wonderful to work with and have kept our totes warm and protected from the harsh conditions here in the cold Rocky Mountains. We love these blankets because they are extremely easy to install and the controller is very convenient. The blankets do not flake, tear, or rip in any way, and we appreciate the weather resistance. Thank you for assisting us with our heating frustrations and protecting our materials. You have helped to keep our company running efficiently and retaining profit. We love your tote heaters and would recommend them to anyone.



For more complete information on One Clarion products and solutions, visit us on the web at: [www.clarionmunicipal.com](http://www.clarionmunicipal.com) or call us at : (+1) 863-261-8388 | [info@oneclarion.com](mailto:info@oneclarion.com)

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