

POWERBLANKET CUSTOM SOLUTIONS

Powerblanket is the unrivaled leader in custom temperature control solutions. Whether you need minor modifications to our standard products or a fully customized solution, our world-class engineering team will quickly solve your problem.

Optimize operations and protect critical materials when you team up with Powerblanket to create the right solution for your application. Our custom process is quick and painless.

INDUSTRIES WE SERVE

COMPOSITE & EPOXY CURING

Thermal curing technology for epoxy and composites used in industries such as aerospace, marine, and wind energy



RAILROAD

Designed to assist railroad companies in protecting resources and ensuring operational continuity



CONSTRUCTION & CONCRETE

Concrete, roofing, spray foam, painting, and others benefit from using Powerblanket during cold weather



With Powerblanket, equipment lasts longer, projects stay on track, and fluids flow smoothly. Use Powerblanket technology year round to achieve total temperature control. Some of the various industries we serve include:

CHEMICAL

Ensure that heat is evenly applied to keep equipment operational and chemicals safe



AGRICULTURE/ DAIRY

Solutions that are economical, easy to use, store, and transportable



OIL & GAS

Protect your assets against the threat of failure, downtime, and hazardous conditions



Oil/Gas
Railroad
Sprayfoam
Coatings
Chemical
Piping

Valves
Instrumentation
Food Processing
Composites
Construction
Precast

Roofing
Industrial
Manufacturing
Specialty Gases
Agriculture
Dairy

Mining
Concrete
Public Works
Excavation
Water Purification
Government & DOD

Fertilizer
Brewing
Fermentation
Welding
Diesel Exhaust Fluid

Powerblanket products are listed cETLus*, they conform to ANSI/UL 499, and are certified to CAN/CSA C22.2 No. 130. Our hazardous location products meet the above standards as well as ISA12.12.01 and CSA C22.2 No. 213. Our hazardous location products are listed for use in Class I Division 2; Groups A, B, C, and D Hazardous Environments with a maximum Temperature Classification of T4. *The Beacon Controller, Fluxwrap, Summerstep, and Chillers are not cETLus.

CUSTOM SOLUTIONS

HAZARDOUS LOCATIONS

The most advanced hazardous area heating systems with special wiring and safety equipment to ensure the highest standards.



PROCESS TEMPERATURE CONTROL

For heating, cooling, or advanced temperature control. Keep your processes at optimal temperatures.



FREEZE PROTECTION

Save on labor costs, eliminate downtime and avoid replacing frozen equipment even in the harshest climates



Powerblanket engineers solve every kind of temperature problem from simple to very complex. Our expertise guarantees satisfied customers in a very short turnaround time.

EQUIPMENT BOXES

Prevent freezing and avoid damage to the sensitive control valves, pressure gauges, and data-collection devices.



TANK HEATERS

Maintain temperature, provide freeze protection, or optimize flow for viscous and temperature sensitive materials.



PIPE HEATERS

Freeze protection for pipes, valves, and manifolds that saves time and money and prevents downtime.



HIGHER HEAT

Powerblanket high temperature products offer consistent, regulated, safe, and evenly distributed heat for higher temperature applications. High heat solutions can be designed for almost any heater size and are available in up to 400°F.

SAFE AND EFFICIENT

Powerblanket higher heat blankets isolate the heat from the user and surroundings with an insulated exterior that is safe to touch. High heat silicone heaters need between 600-1200 Watts to heat up products and materials. Because of the Powerblanket's insulation, fewer watts are required to heat up products and materials and to maintain heat.



CUSTOM SOLUTIONS

Whether you need simple modifications made to our ready-to-ship products or a fully customized solution, Powerblanket world-class engineers will deliver an expert solution to save you time and money.

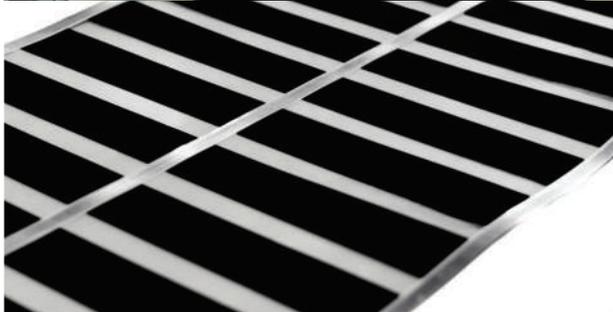
GAS DELIVERY SYSTEMS

Maintain pressure, provide uniform heating, reduce costs, optimize container temperatures and increases efficiency.



POWERBLANKET CORE

Revolutionary thin heat technology that can be applied to OEM products to improve functionality.



CONTROLLERS

Advanced custom control systems that continuously monitor and control critical temperatures.



SNOW MELTING MATS

Protect walkways, doorways, and stairs with industrial safety mats that prevent accumulation and melt snow and ice.



FLUID TEMPERATURE CONTROL

Wrap containers in uniform even heat to maintain optimal temperatures and improve processes.



HOT BOXES

Ideal for cold weather storage, freeze protection, transporting, job site heating, remote location use



Powerblanket supplied the custom frac tank heating system currently working on-site. The heating system installed quickly despite rainy weather, and has protected the contents from freezing.

EDWARD SKUCHAS | ENGINEER HOWARD MARTEN FLUID TECHNOLOGIES



CUSTOM TANK HEATERS

Powerblanket Tank Heaters maintain temperature, heat, provide freeze protection, or optimize flow for viscous and temperature sensitive materials.



MAINTAIN OPTIMAL TEMPERATURES for temperature sensitive materials



CUSTOM DESIGNED to fit any equipment or system and provide ultimate freeze protection



ENJOY PEACE OF MIND because your valuable materials are protected



Powerblanket supplied the frac tank heating system currently working on-site. The heating system installed quickly despite rainy weather, and has protected the contents from freezing.

EDWARD SKUCHAS, ENGINEER WITH URS



WHITE'S EQUIPMENT RENTAL CUSTOM TANK HEATING

White's Equipment Rental, LLC faced a dilemma. They use Catch Tanks to capture fluids, and the chilly Marcellus winters were causing problems for these tanks. When Buck Binder, VP of Production and R&D Lead, realized the weather could cost the business thousands of dollars, he turned to

Powerblanket for a custom solution.

FROM COSTLY TO COST EFFICIENT

The secondary Catch Tanks are used for capturing detrimental fluids containing a combination of water, soap, and drill cuttings, and preventing environmental concerns. If the Catch Tanks freeze, it prevents White's and their clients from pumping off the excess fluid. The tank can stop flowing completely or allow the fluid to pass through it into the flare. This can be costly in more ways than one.

Each Catch Tank rents for \$425 per day. If pumps fail as a result of freezing, the replacement cost is estimated at \$2,700 per pump, plus potential fines from the Environmental Protection Agency as a result of a hazardous spill. Multiply these costs by the 30 Catch Tanks currently in operation and the impact on revenue can be substantial: \$12,750 per day in rental

revenue on the tanks alone; as much as \$81,000 for a fleet of replacement pumps; and the overall impact of \$3,500 per day in unrecoverable equipment system revenue.

CUSTOM SOLUTIONS

When Buck Binder reached out to Powerblanket, we developed a custom heating blanket fitted precisely to the catch tanks. By keeping the tanks warm during the cold weather, the risk of freezing was eliminated, and with that, so was the risk that they would cause a loss in revenue. Powerblanket's custom heating solution provided White's Equipment with more than freeze protection. It provided both them and their clients with the benefits of sustainability, continuous production, and reduced or eliminated down time - not to mention peace of mind and the earned reputation of being a preferred energy services provider.

WE CAN HEAT IT

Many industries protect their valuable materials with Powerblanket tank heaters: Oil & Gas, Mining, Chemical Manufacturers, Agriculture, Food Processing Plants, and Diesel Exhaust Fluid (DEF). No matter the size or shape of the equipment/system, Powerblanket's custom engineering team can create a solution. Custom heater blankets are used to maintain critical temperatures, heat, provide freeze protection, and optimize flow for viscous and temperature sensitive materials.

Freeze protection is a primary concern for many industries with tanks; however, Powerblanket's custom heating solutions provide more than freeze protection. Sustainability, continuous production, and reduced or eliminated down time, and peace of mind are all benefits of Powerblanket custom heaters.

MCADA COLD WEATHER TANK SOLUTION

WITH POWERBLANKET

POWERBLANKET TANK HEATERS MAINTAIN TEMPERATURE, HEAT, PROVIDE FREEZE PROTECTION, AND OPTIMIZE FLOW FOR VISCOUS AND TEMPERATURE SENSITIVE MATERIALS.



GET TO KNOW McADA

If you are in the oil industry, you know that cold weather can affect your productivity and profits. As a long-time leader in the industry, McAda Fluids Heating Services is an expert at heating the fluids needed for oil and gas well operations, including hydraulic fracturing, or “fracking.”

McAda offers the largest and most modern fleet of trucks, as well as the largest line of 35MM and 40MM BTU fluids heating units. The company provides the most efficient means for oil companies to heat fracking fluids. As a result, oil companies have taken notice; McAda works with many major and independent oil companies throughout North America.

Whether it’s a “Heat on the Fly” process to heat water from a direct water source, an onsite frac tank, or a long-term, multi-well project, McAda is known for its reliability and problem-solving skills. With heating solutions like McAda’s in place, an oil company can keep its frac operations functional and efficient year round.

Even with a state of the art fleet, a solid knowledge of geology and the logistics required at unconventional shale oil projects, winter weather posed a significant challenge to productivity and efficiency for the company’s propane heating system.

WORKING WITH POWERBLANKET

McAda worked with Powerblanket to



“We were just losing too much tank pressure when the needle dropped below freezing. With the Powerblanket product, we can operate in the cold without any problems. It saves us time and headaches – and saves our clients a great deal of time and money.”

MCADA

create a line of customized propane tank heaters, specifically designed to fit the company’s large, truck-mounted propane heating tanks. Using Powerblanket heaters to target heat distribution on the tank, optimal tank pressure can be maintained consistently. “This was an ideal solution,” said McAda. “We were just losing too much tank pressure when the needle dropped below freezing.” By using Powerblanket on its equipment, McAda was no longer forced to rely on tarps, space heaters, and other makeshift means to keep the propane fuel tank warm.



Far left: Freeze Protected transmitter and valve
 Middle: Freeze protected C1D2 valves
 Right: Dual voltage, truck mounted valve heaters

Powerblanket's world-class engineering team creates custom solutions for some of the most complicated and/or unusual temperature needs for industries all over the world - and they do it quickly. Often, when your industry is unique, there is not a ready-to-ship solution for your specific temperature needs. Our products are certified to OSHA safety standards and are easy to install, use, and store. Our custom approach will provide the ideal custom solution that saves time, money and headache.



PIPE, VALVE, & MANIFOLD HEATERS

Weatherproof your business with Powerblanket pipe heaters. These advanced heaters offer freeze protection for your entire pipe & manifold system. The simple design eliminates the need for expensive work crews to install or remove heat trace, insulation and cladding. Unlike heat trace, Powerblanket does not have inrush current issues.

WHY CHOOSE POWERBLANKET PIPE HEATERS?

- Reduce downtime and increase profitability
- Eliminate need for alternative emergency services or steamers
- Protect instrumentation from freezing to ensure accurate data retrieval
- Sustain valve functionality
- Save on labor costs through easy installation and removal
- Custom designs to fit any application



SAVE TIME
& MONEY



OPTIMIZE
OPERATIONS



PROTECT
MATERIALS &
EQUIPMENT

Valve, manifold, and pipe heaters are custom designed by Powerblanket's world-class engineers to fit perfectly on your piping system.

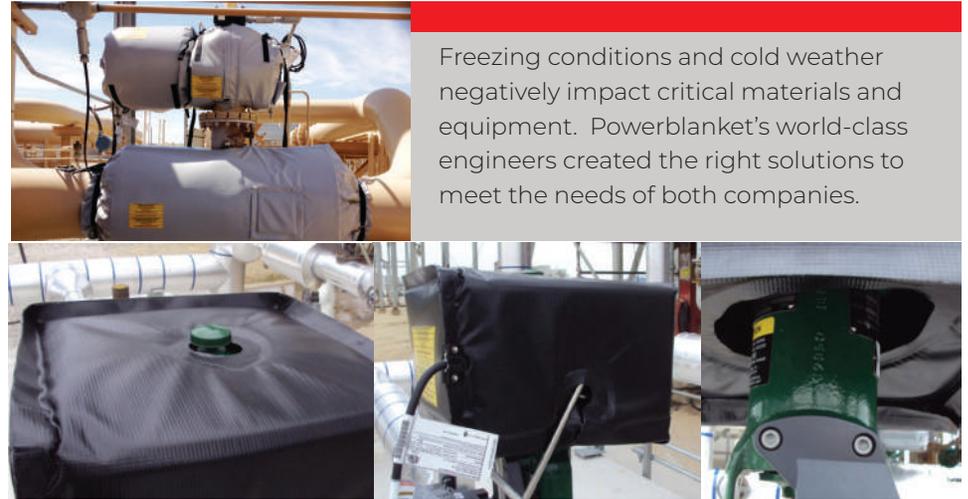


WANT GREATER PEACE OF MIND?
 Try Powerblanket with Beacon Controllers

VALVE/ACTUATOR FREEZE PROTECTION

WITH POWERBLANKET

WEATHERPROOF YOUR BUSINESS WITH POWERBLANKET CUSTOM PIPE, VALVE, MANIFOLD, & ACTUATOR HEATERS. KEEP YOUR OPERATIONS RUNNING SMOOTHLY ALL WINTER.



Freezing conditions and cold weather negatively impact critical materials and equipment. Powerblanket's world-class engineers created the right solutions to meet the needs of both companies.

WHO NEEDED A SOLUTION?

DOMINION ENERGY QUESTAR PIPELINE, LLC (DEQP) is a major natural gas pipeline company that provides transportation and underground storage services in Utah, Wyoming and Colorado. Owning and operating 1,888 miles of pipeline with total daily capacity of 2,530 Mdth, their system is strategically located in the Rocky Mountains near large reserves of natural gas in six major producing areas, including the Greater Green River, Uinta and Piceance basins. They transport gas from these areas to other major pipeline systems for delivery to markets in the West and Midwest including the Dominion Energy UT local distribution system serving natural gas utility customers in Utah, southwest Wyoming and southern Idaho.

EQUISTAR CHEMICALS, LP manufactures basic chemicals, polymers, and fuels products in North America. The company operates in two segments, chemicals

and polymers. The chemicals business segment produces and markets ethylene, its co-products and derivatives. It also produces gasoline blending components such as methyl tertiary butyl ether and alkylate. The polymers business segment produces and markets polyethylene, low density polyethylene, linear low density polyethylene, and polypropylene. The company was founded in 1997 and is based in Houston, Texas. Equistar Chemicals, LP operates as a subsidiary of LyondellBasell Industries N.V.

WHAT WAS THE PROBLEM?

DOMINION ENERGY QUESTAR PIPELINE, LLC in Eastern Utah had two 12" FI215 Valves/Actuators and two 16" FI212 Valve/Actuators that were freezing up and shutting down operations. With such a large service area, this pipeline needed efficiency without pause. They recognized that they needed a solution custom designed to their system that would ensure

consistent operations even in the coldest conditions.

EQUISTAR CHEMICALS, LP, located in Illinois, had 12 Fisher Valves also freezing up in extreme conditions. worked through LyondellBasell to provide valve heaters for Equistar Chemicals.

THE POWERBLANKET SOLUTION

Freezing conditions and cold weather negatively impact critical materials and equipment. Exposure to extreme temperatures throughout the winter months can slow or halt operations. Powerblanket's world-class engineers created the right solutions to meet the needs of both companies.

LASTING BENEFITS

After receiving their custom Powerblanket custom solutions, **DOMINION ENERGY QUESTAR PIPELINE** appreciated the ease of installation and perfect fit. They now

enjoy peace of mind knowing that their operations will not be stalled because of frozen valves and their customers will not have interrupted service.

The 12 fisher valves of **EQUISTAR CHEMICALS, LP** are wrapped with even heat that protects the instrumentation and sustains the valve functionality. Since the Powerblanket install, they are not concerned about downtime due to freezing temperatures and they have peace of mind knowing that Powerblanket products are manufactured to stringent safety standards. They have found a lasting solution.

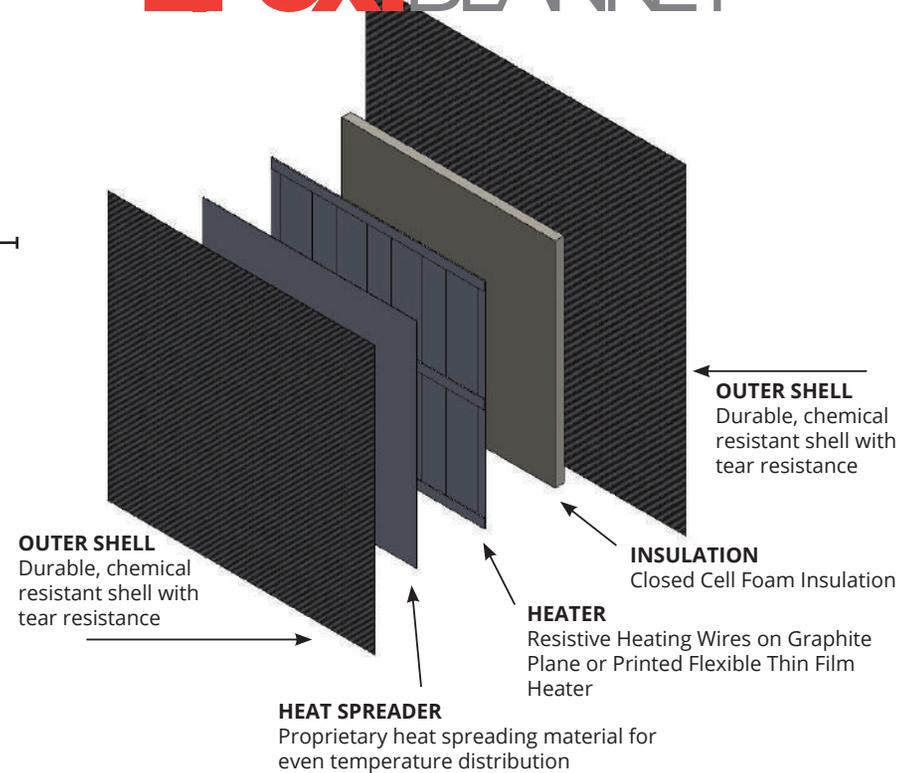
NEED A SOLUTION FOR CUSTOM FREEZE PROTECTION?

phone: 888.316.6324

email: info@powerblanket.com

WWW.POWERBLANKET.COM

EPOXY BLANKET



THE EVEN HEAT YOU NEED

EPOXY & COMPOSITE CURING BLANKETS

Standard Powerblanket Epoxy Cure Blankets

- Available in any width and length required
- Up to 80 Watts per Square Foot
- Maximum internal blanket temperature: $200 \pm 9^{\circ}\text{F}$ ($93 \pm 5^{\circ}\text{C}$)

Powerblanket Epoxy Cure Blankets with Powerblanket Core Technology

- Currently available in 8", 20" and 32" Widths
- Length per customer requirements
- Currently 40 Watts per Square Foot
- Custom widths and power densities available Fall 2018
- Maximum internal blanket temperature: $200 \pm 9^{\circ}\text{F}$ ($93 \pm 5^{\circ}\text{C}$)

Custom Higher Temperature Solutions

- Custom solutions up to 400°F and 300 watts per square foot



SAVE TIME
& MONEY



INCREASE
MANUFACTURING
EFFICIENCY



SPEED CURING
PROCESS

WHY CHOOSE POWERBLANKET CURING BLANKETS?

- Even and efficient heating cures epoxy effectively
- Best in industry lead time with new custom designs in 7-10 business days, and reorders in 3 business days
- Eliminates the need for costly alternative heating solutions
- Decreases curing times allowing increased throughput
- Can be used for production and in field repair

GOLD COAST YACHTS EPOXY CURING DILLEMA

WITH POWERBLANKET

ANY BUSINESS THAT DEALS WITH EPOXY CURING KNOWS HOW TIME-CONSUMING AND EXPENSIVE THE PROCESS CAN BE. CURING EPOXY RESINS WITH POWERBLANKET IS EASY AND EFFICIENT.



USING OVENS

In June of 2014, Gold Coast Yachts, manufacturer of high-end, carbon-fiber watercrafts, President, Richard A. Difede, grew increasingly concerned about the cost and time it took for their post-curing of large carbon-fiber joints on the yachts the company produced. The epoxy joints needed to cure at 145° F for an extended period of time, and the procedure Gold Coast used took too much time and money. Gold Coast had to architect, build, and

utilize large custom ovens for each section of yacht frame that needed high-temperature exposure. In other words, they were building a large shed around each and every frame. Workers used two-by-fours and sheet rock in order to create a sealed unit that could be pumped with heat. The process took a good deal of time and manpower, not to mention the extra costs for equipment.

Building the makeshift oven was only half the battle. Once the unit was completed, someone had to man the oven for the duration of the cure to regulate the temperature. They could not allow the temperature to fall below 145° F or climb too high above it, or the process would be compromised and take even longer to complete.

Even while pumping the constructed oven with ample heat, they were still having

trouble penetrating through all the layers of carbon fiber. If the right amount of heat didn't penetrate through all layers, the cure wouldn't set completely. This long, costly, and inefficient process began to eat into the company's valuable time.

FINDING POWERBLANKET

"When Richard contacted us, it was obvious that he needed something far less-expensive and time consuming than his present method," the Powerblanket sales rep said. "I discussed with him the details of our epoxy-curing blankets, and he was excited to try them out. What started with a two-foot-by-two-foot test blanket quickly snowballed into many more orders."

Difede and his team soon found that the Powerblanket curing solution worked exceptionally well and eliminated the need for the pre-built ovens they had spent so much time building. With a thermostatic

controller on each blanket, they could dial in the proper temperature and not worry about watching to make sure it stayed there. And with the Powerblanket patented technology, the right amount of heat distributed evenly through the entire application, increasing the speed of the cure by leaps and bounds.

After trying out the small demo blanket, Difede and his team purchased several additional blankets in multiple sizes. It wasn't long before they decided to take it one step further. After learning about Powerblanket custom heating solutions and the ability to manufacture custom blankets for just about any application, Difede purchased several custom-sized blankets for current and future projects.

SUMMERSTEP

Interested in avoiding the physical strain of shoveling and the concerning task of ice removal? Summerstep snow melting mats remove snow and ice on contact without using harsh chemicals, and continue to keep the path clear even as snow accumulates. Prevent injury and preserve employee safety with Summerstep.



SUMMERSTEP SNOW MELTING MATS

SummerStep™ outdoor heated mats keep stairs, doorways, ramps, walkways and alleyways safe and secure from slip and fall accidents. SummerStep heated mats prevent hazards created by icy winter weather. Available in two lines to meet your needs, Summerstep Home is the residential line equipped to prevent winter hazards around the home. Summerstep is the robust industrial line of snow melting mats prepared to handle the coldest and most hazardous conditions.



CLEAR THE PATH Keep stairs, doorways, ramps, walkways and alleyways safe and secure from slip and fall accidents.



SAVE TIME AND MONEY More convenient than shoveling snow and less time consuming



ENVIRONMENTALLY SAFE Requires no chemicals and protects plants, grass, and concrete walks and drives.



RELIABLE Even in the worst conditions, SummerStep keeps the path clear



MADE IN THE USA SummerStep is the only snow melting mat made in the USA.



❄️ **PUT IT DOWN** ❄️ **PLUG IT IN** ❄️ **STAY SAFE**
SUMMERSTEP 🏠



CORE

You know Powerblanket as the leader in total temperature control. From construction to manufacturing, Powerblanket products have you covered. Now, Powerblanket has developed a flexible, electric radiant heating film that maximizes heat transfer and energy efficiency



POWERBLANKET CORE OEM HEATING SOLUTIONS

Powerblanket Core is a revolutionary thin heat technology that can be applied to numerous residential, commercial, and industrial applications. The Powerblanket carbon ink and heater are wrapped in a thin, water-tight laminate. OEM customers can embed Powerblanket Core elements inside or adjacent to their standard products to create innovative, new products with features such as heating or deicing.

WHY CHOOSE POWERBLANKET CORE?

-  **FULLY CUSTOMIZABLE:** Easily integrate our heating solutions into your product/technology
-  **INCREASE PROFITS:** Enhance your product offering & increase revenue.
-  **QUICK TURNAROUND TIME:** The Powerblanket team will design, build, and ship your solution quickly, saving you time and money.
-  **TEMPERATURE CONTROL EXPERTISE:** Leverage our extensive expertise in temperature control to develop the perfect solution for your application.
-  **MANUFACTURING EXCELLENCE:** Our award winning manufacturing processes and expertise deliver high volumes and demanding requirements with ease.





TEMPERATURE CONTROLLERS

Custom Control. Whether you are heating or cooling, some applications require a high level of precision and control. Powerblanket options that enhance our heating and cooling products to achieve the exact performance you need. It's time for real-time total temperature control.

PROGRAMMABLE LOGIC CONTROLLERS

Powerblanket has the expertise to design and build PLC (programmable logic controller) based control systems to complement and enhance our heating and cooling products to achieve the exact performance you need. Powerblanket custom control systems are scalable, so there is no upper limit to the number of temperatures or other parameters monitored and used for control. Any heating or cooling blanket can be switched based on various temperatures (i.e. pipe surfaces, tank contents, blanket surfaces). Powerblanket will help you define and execute the control algorithm that will make your system run at peak performance.

POWERBLANKET CUSTOM CONTROLS STANDOUT FEATURES:



SET UP FOR REMOTE MONITORING AND CONTROL

Enjoy peace of mind as you check your system from multiple devices.



LOG DATA FOR RECORD KEEPING or analysis:

temperature, relay state (i.e. blanket on or off), current, voltage, pressure, etc.



ALARMS AND ALERTS SENT when user defined conditions are met or drift outside of parameters (power failure, temperature outside of specified limits, etc.)



RAMP UP TO A TEMPERATURE at a specified rate or dwell at a specified temperature and then switch off after a dwell period



PLC Display



BEACON SMART TEMPERATURE CONTROLLER

The IoT revolution has arrived at Powerblanket. Powerblanket has teamed with Beacon Controls to develop a connected temperature controller. This new, smart controller allows you to monitor and control Powerblanket products (or any other device that would benefit from temperature control) from your smart phone or computer. More importantly it allows you to receive text, email or push notifications when the temperature goes outside limits that you specify, so you can set the temperature and walk away with complete peace of mind.

BENEFITS OF BEACON SMART CONTROLLER:

- Compatibility with a wide variety of heating or cooling devices
- Change settings locally or connect remotely through Wi-Fi or Cellular networks, so you can keep your operation running smoothly wherever you are.
- Alerts based on temperature, electrical current, and voltage give you complete peace of mind.
- Create multiple users with varying levels of access and control for added security.
- 120/208/240V AC options, switch up to 24 amps

CUSTOM CONTROLLER SOLUTION



In the process of building a sophisticated aircraft, a company realized they needed a temperature control solution. The pieces to be cured were too large to put in an autoclave, an irregular shape, and this particular curing process had extremely tight heating tolerances-no more than a few degrees wiggle room. They needed a solution to get even precise heating and that would resolve their concerns about burning the expensive materials and not curing them properly.

THE POWERBLANKET SOLUTION

The company didn't know what the solution should look like, but Powerblanket stepped in and did all of the R&D. Powerblanket created a custom heating package with advanced controls to meet their tight specifications, saving them time, money, and materials. The advanced controls contained numerous sensors and complex heating logic to control the process to remain within the tight heating tolerances. There were eighteen heat zones with multiple sensors in each zone. The process became more efficient, less expensive and improved delivery times for deadlines.

The company was happy with the result and plans on ordering more for future projects.

IT'S AN EASY PROCESS

Often, a temperature control solution requires engineering expertise and custom attention. As a premier expert in industrial temperature control, Powerblanket will create the complete solution to quickly meet your needs.

CUSTOM MADE EASY



1. ASSESS NEEDS

- Find out exactly what the problem is
- Specs, environment, etc.
- Quote in 24 hours



2. APPROVAL TO MOVE FORWARD

- Accept quote
- Collect additional info (custom questionnaire, thermal analysis)



3. CUSTOM DESIGN

- Manufacture drawings
- Approval



4. SCHEDULE, SHIP, BUILD

- Usually within 2 weeks.
- Guaranteed to work



**WORLD -CLASS
CUSTOM CAPABILITIES**



**SHORTEST INDUSTRY
LEAD TIMES**

Powerblanket's world-class engineering team solves every kind of temperature problem from simple to very complex. Our expertise guarantees satisfied customers in a very short turnaround time.



FOR MORE CONTROL ADD BEACON

Beacon is an advanced smart temperature control system that allows you to monitor and control Powerblanket products remotely from your smart phone or computer. Enjoy greater peace of mind.

CUSTOM APPLICATION QUESTIONNAIRE

FOLLOW THESE STEPS TO BEGIN YOUR CUSTOM PROCESS

- Gather as much information as possible using the Custom Application Questionnaire. Be thorough.
- The dimension needs to be as built, not a CAD drawing . ALL dimensions must be submitted to the custom team for quote.
- Once quote is accepted and PO is sent, engineering will begin.
- Custom products will normally be completed within three weeks.



We need all of the dimensions that will allow the custom solution to fit like a glove.

JEN REYES- POWERBLANKET CUSTOM SALES



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

© 2024 One Clarion. All rights reserved. One Clarion terms and conditions apply.

Name:

Phone:

Email:

Company/Job Title:

1. Which of these best describes the system requiring Cooling: drum/bucket, tote, tank, gas cylinder, pipe, flat surface (vertical or horizontal?), other?
2. Can you provide drawings and/or photos?
3. What are the critical dimensions of the system?
4. What material is the container or surface made of (i.e. tank wall, drum wall)? How thick?
5. What is the substance being Cooled (i.e. water, oil, pipe contents, concrete, frozen ground)?
6. Is this a flowing system? If so, what is the flow rate (include units, gpm, cfm, etc.)?
7. What is the expected ambient temperature (include units, °F, °C)?
8. What is the maximum expected wind velocity (include units, mpg, km/h, etc.)?
9. Are there other environmental conditions that may be relevant?
10. What is the beginning temperature of the substance or contents (include units, °F, °C)?
11. What is the desired final temperature of the substance or contents (include units, °F, °C)?
12. What temperature range is acceptable?
13. Are there upper or lower temperatures where the substance or contents will be damaged?
14. Is there a time frame requirement for the initial cool down?
15. What power source is preferred (120, 208, 240, DC)?
16. How far away is the power source (cord length)?
17. Do you require UL/CSA certified products?
18. Is your location considered hazardous (Class I Division 2)?
19. How many units do you need now and in the future?
20. What is the required delivery date?