

MID-TEMPERATURE DRUM/PAIL WARMING

An effective way to warm contents quickly while avoiding excessive or unwanted heat

Application

Bulk materials stored in metal and plastic containers often have an increased viscosity due to the material's properties and/or cooler storage temperatures. These materials can be extremely difficult or even impossible to extract by pumping or pouring.

Warming the container reduces the viscosity of the material inside and makes extracting the contents easier and much more manageable. The actual temperature needed to effectively reduce viscosity will depend on the material, but the typical range is between 100°F and 150°F (38°C and 66°C).

Too much heat can be dangerous for many materials, therefore it is important to warm materials quickly and evenly without overheating. Overheating can cause increased costs and downtime if the product is damaged or if the material is too hot to work with.

Solution

BriskHeat's DHLS silicone band heaters are an excellent source of heat for warming and reducing viscosity in many materials. The 4 in (10 cm) wide wraparound band heaters deliver an even heat to nearly the entire circumference of the container, ensuring an efficient and controlled warming process. A built-in dial control is used to adjust the heat output of the heater to a maximum setting of 160°F (71°C) while avoiding overheating and scorching the product.

DHLS heaters have a high-watt density that ensures rapid heat-up and are grounded for a safe worry-free operation. The reinforced silicone rubber outer cover is moisture and chemical resistant and provides durability and long-lasting reliable performance. With models available for metal and *plastic containers ranging from 5 to 55 gallon (19 to 208 liter), BriskHeat is sure to have a heater that meets your needs.

For faster heating and increased energy efficiency, add an FGDI full coverage insulating jacket. These can be used in dry environments, feature 1 inch thick insulation, and hook and loop fastening.

*For plastic containers, BriskHeat recommends the use of DPCS series silicone band heaters.



Similar Applications

Syrup	Food Ingredients	Chemicals
Wax	Catalysts	Solvents
Fats & Oils	Greases	Much more...
Honey	Lubricants	

Industries

Agriculture/Farming/ Ranching	Composites/Epoxyes/ Resins
Asphalt/Concrete	Food & Beverage Processing
Chemical Processing	Gas & Oil Manufacturing
Injection Molding/Plastics/ Rapid Prototyping	

Types of Users

Facility Maintenance	Process Engineers
Process Engineers	Design Engineers
Production Managers	Contractors
Small & Large Farms	Food Plant Managers
Cooks/Bakery Managers	