

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 (38°C) and 150°F (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" wide wrap-around 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 plastic containers, BriskHeat recommends the use of DPCS series silicone band heaters.

Similar Applications

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

For examples of customers, see Customer Reference section (page A) in the *Application Book*.



Industries

- General Manufacturing
- Adhesives
- Agriculture
- Chemical
- Food & Beverage
- Oil & Gas
- Plastics

Types of Users

- Facility Maintenance
- Process Engineers
- Production Managers
- Small and Large Farms
- Cooks/Bakery Managers
- Food Plant Managers