

DRUM AND PAIL VISCOSITY CONTROL

An easy and effective way to improve flow in containers with surface heat

Application

There are many types of viscous materials like grease, wax, and honey that are stored in drums and pails. These types of materials are thick at room temperature, making flow difficult during pouring, dipping, pumping, coating or mixing operations. Heat is required to reduce the viscosity of the materials.

Solution

Use BriskHeat Drum and Pail Heaters to help reduce the viscosity levels in containers. They are easy-to-install, use, and provide uniform heat around the container. Uniform, even heat is necessary to prevent sensitive materials from scorching or degrading. DHCS, DHLS, and DPCS series Heavy-Duty heaters feature 2 extra-thick layers of fiberglass reinforced silicone. DHCH and DPCH Extra-Heavy Duty models feature 3 layers (Economy models are also available). They are available in a variety of sizes from 5-gallon (19-liter) pail to 55-gallon (208-liter) drum and even custom sizes. FGDH standard use and FGDHW wet-area full coverage drum heaters combine insulation and heat in one easy to install jacket. Most models include built-in thermostats. Heaters can also be ordered without thermostats for use with more accurate controllers.

BriskHeat's DTIM Immersion Heater features an incoloy or stainless steel tubular heating element that is designed to fit through the top of a 55-gallon drum. Its digital controller allows setpoint temperatures up to 167°F (75°C).

Key Features

- Choice of silicone rubber band or full-coverage insulated drum heaters.
- Plug-and-play
- Available in 5 to 55-gallon (19 to 208 liter) sizes.
- Heaters designed for metal or plastic drums.
- Temperatures up to 450°F (232°C).
- Patented grounded heating element for safety.
- Custom heaters can be made to fit other sizes and application requirements.
- Insulators can be used over band heaters for added efficiency



Examples of Materials Stored in Drums

| | |
|--------------|-------------------------|
| Biodiesel | Fuel Oils |
| Cooking Oils | Paints/Spray Coatings |
| Grease | Surfactants & Chemicals |
| Lubricants | Resins |
| Motor Oil | Wax |

Industries

| | |
|-------------------------------------|----------------------------|
| Agriculture/Farming/Ranching | Food & Beverage Processing |
| Asphalt/Concrete | Gas & Oil |
| Chemical Processing/ Extractions | Manufacturing |
| Composites/Epoxies/Resins | Pulp & Paper |