

Honey Warming

A simple, safe, and efficient way to heat honey and avoid overheating or burning the mixture

Application

Bulk honey can be thick and very difficult to process through filtering and bottling operations. For beekeepers and others in the honey-producing business or even those who use bulk honey as a food ingredient, it's a common problem to overcome. This is because pure raw honey crystallizes and turns from a liquid state to a semi-solid state at temperatures under 70°F (21°C).

Crystallization occurs naturally because pure honey is an over-saturated sugar solution typically about 20% water and 80% sugars with 25-40% of those sugars being glucose. The glucose crystallizes and spreads throughout the honey mixture and the result is a thickened mixture and a dramatic increase in viscosity making it extremely difficult or even impossible to pump or pour.

To re-liquefy the honey and reverse the crystallization process, the honey must be slowly and evenly heated to approximately 95°F (40°C). To greatly increase the fluidity of the honey, packers and bottlers may heat the honey up to 150°F (60°C) for a short period of time to strain/filter and package the honey into bottles.

Solution

BriskHeat's DHLS silicone band heaters are an excellent source of heat for warming and re-liquefying honey. 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 up 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

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| • Syrup | • Catalysts | • Chemicals |
| • Wax | • Greases | • Solvents |
| • Fats & Oils | • Lubricants | • Much more... |

Industries

- Beekeeping
- Beekeeping Supplies
- Honey Bee Farming
- Honey Processing
- Honey Packaging
- Agricultural
- Food Processing
- Food Preparation
- Bakery
- Beverage
- Cereal Manufacturing
- Other Food & Beverage Manufacturing

Types of Users

- Beekeepers
- Hobbyist Producers
- Commercial Producers
- Honey Packers & Bottlers
- Small and Large Farms
- Cooks/Bakery Managers
- Food Plant Managers

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