

STORAGE, WARMING, AND DISPENSING 55-GALLON DRUM LIQUIDS

Improved temperature maintenance for contents of 55-gallon (200–208 liter) drums

Application

55-gallon (200–208 liter) drums are popular industrial storage and dispensing containers. Greases, oils, food ingredients, chemicals, fats, stabilizers & catalysts, and solvents are a few of the common materials that utilize 55-gallon (200–208 liter) drums. These materials often need their temperatures raised to reduce viscosity or protect them from the cold. Often the heat-up needs to be done quickly, which can be difficult depending on the material. Additionally, if the environment is extremely cold, that poses an additional challenge. Achieving the desired temperatures, whether elevated up to 160°F (71°C) or just above freezing, ensures products are ready for use and easy to dispense. If this is not done efficiently, the consequences could include production delays, ruined products, or damage/maintenance costs. Any of these consequences can cause expensive problems, leading to lost production and reduced profits.



Solution

BriskHeat's DHI 55-gallon (200–208 liter) immersion heater provides an effective solution. The DHI is easy-to-install, delivers 1,000 watts for maximum heat, has a built-in digital controller for easy programming, and a 10 ft (3 m) cord and plug for simple plug-and-play operation. Additionally, the superalloy incoloy 840 heater will not corrode or contaminate the product, is grounded, and includes a 180°F (82°C) high-limit cutoff for safety and peace of mind. Incoloy 840 is also approved for use with food ingredients. DHI Immersion heaters can be paired with FDGIW wet-area insulators for even better thermal performance. The FDGIW insulators are easily installed using built-in straps and buckles and are extremely durable. Both are suitable for use in wet or washdown environments.



Alternative Solution

BriskHeat's DHI 55-gallon (200–208 liter) immersion heater can also be coupled with an FGDHW full-coverage drum heater for maximum heat. Similar in construction to the FDGIW insulator, the FGDHW drum heater includes 600 additional watts, which greatly improves heat-up time and process control, especially in extremely cold environments.

Additional Uses

BriskHeat offers a full line of immersion heaters that can be used in most environments for freeze protection, viscosity control, and process heat.

Industries

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

Types of Users

- | | |
|------------------------|----------------------|
| Facilities Maintenance | Production Engineers |
| Plant Managers | |