PERFUME & FLAVOR VISCOSITY CONTROL

A simple and effective means to maintaining good flow and viscosity control of concentrated oils

Application

Grasse, France is considered to be the perfume capital of the world. Heat is required to maximize production and ensure proper dosing of concentrated and very expensive oils. Failure to sufficiently heat these oils will lead to improper dosing and inconsistent formulas. During the production of perfume and flavorings, manufacturers require the temperature of the oils to be maintained from 140°F to 176°F (60°C to 80°C). This allows for good viscosity control and reliable production standards.

Raw material oils are stored in 55-gallon (208-liter) drums and pumped into production through pipelines. The drums, pipes, and associated valves need to be heated to ensure proper flow and dosage.

Solution

Heat the 55-gallon (208-liter) drums with BriskHeat's FGDH and FGDHW full-coverage drum heaters. These insulated heaters are energy efficient and provide evenly distributed heat throughout the drum, ideal for perfume and flavor production. A built-in digital temperature controller allows the user to accurately set a temperature and monitor the heater's performance. These are now available in wet-area models.

An alternate solution, SLMCBL mid-temperature self-regulating heating cable, is used to maintain temperature through production. It is a great solution for heating pipes, valves, etc. because of its reliability and it can be installed around custom systems. Self-regulating cable is semi-flexible and can be straight traced or spiral wrapped for long runs on a single circuit. It will automatically adjust its heat output, based upon ambient conditions, and never exceed its specific rated temperature. A protective outer shell encasing the cable resists moisture and chemicals for worry free use in harsh or hazardous environments.

Custom cloth jackets can be used for the valves, pipes, and vessels. BriskHeat can make almost any size and shape jacket, and these are now available in wet-area versions. The LYNX® Temperature Control System, with individual control modules, can link up to 1,024 heaters into a single Operator Interface.

Optional Accessories

- Drum top insulator lid
- INSUL-LOCK® flexible pipe insulation
- High-temperature aluminum adhesive tape

Additional Uses

Silicone rubber heating tapes can be used on many pipe-heating applications for freeze protection, temperature maintenance, and process control. The highly flexible heating element and durable silicone cover allows BS0 heating tapes to flex and contour to nearly any size object that needs heat.

Industries	
Cosmetics/Personal Care	Manufacturing
Food & Beverage Processing	

Types of Users	
Chemical Engineers	Production Managers
Facilities Maintenance Personnel	Quality Directors
Process Engineers	Technical Directors