

## Spray Foam Insulation Warming

An effective way of solving viscosity issues related to spray foam application systems



### Application

Spray foam is a popular insulation alternative to traditional building materials such as fiberglass. It is a two-component mixture (isocyanate and resin) that is stored in cylinders and applied through an applicator gun. The liquid foam material must pass through two separate tubes that come together at the tip of an applicator gun to mix and form an expanding foam spray. The mixture must be kept at and applied at a minimum temperature of 70°F (21°C). If the components cool, the spray foam becomes very difficult to extract from the cylinder and process through the delivery hose and applicator gun. This can result in slow production or even clogs within the system that can cause significant downtime.

### Solution

Install a cylinder warmer onto the storage tank and an ultra-flexible silicone rubber heating tape to the delivery hoses. For added protection and efficiency, install heating tape with an insulator onto the delivery hose.

The cylinder warmers temperature is self-controlling at 80°F to 100°F (27°C to 38°C). Easily install the warmer by wrapping it around the cylinder and securing with a hook and loop flap. They are "plug-and-play" ready, allowing the warmers to be plugged into a standard power source without special wiring.

BriskHeat extra-long silicone rubber heating tapes provide the necessary heat to keep spray foam chemicals at an optimum operating temperature while travelling through the delivery hose. A low-watt density design reduces the risk of damage to the hose. A digital water resistant TC4X temperature controller is used to set the temperature and control the heat output of the heater. A cloth insulator wrapped around the hose maximizes thermal efficiency and durability of the entire system. This solution eliminates downtime and extends the service life of spray foam equipment.

### Additional Uses

Custom silicone rubber heating tapes can be used in almost any hose or delivery system where viscosity issues are a concern.

### Products

- Cylinder Warmers
- Silicone Rubber Heating Tapes
- TC4X Digital Outdoor Temperature Controller

### Industry/Customers

- Insulation Manufacturers
- Insulation Contractors
- Foam Delivery System Manufacturers

### Types of Users

- Production Manager
- Design Engineer
- Project Manager