

High-Temperature Removable Insulation

An easy and effective way to increase efficiency and safety for high-temperature systems

Application

Heat commonly exists in a wide range of industrial applications. Heat can be a byproduct of a process, it can be used as a resource to elevate temperatures within a process, or both. Often heated systems must be insulated to ensure optimal efficiency and for employee safety. If left un-insulated, large amounts of heat energy are lost potentially causing slow production and unexpected downtime, and significant risk of injuries caused by incidental contact. These risks and hazards especially exist when systems operate at higher temperatures. Some examples include:

- 1) Koch Nitrogen manufactures fertilizer, and many of the chemicals used to make the fertilizer must be kept between 350°F and 400°F (177°C and 204°C) to avoid damage during the manufacturing process.
- 2) Atlantic Paste & Glue uses resins to manufacture glues, and the glues are used to manufacture pest-control products. The resins and glues must be kept between 250°F and 300°F (121°C and 149°C) to avoid clogging the system during the manufacturing process.
- 3) Suit-Kote Corporation manufactures asphalt and asphalt-sealing products. The components and finished products must be kept at 400°F to 450°F (204°C to 232°C) to reduce viscosity and easily flow through pipes and hose systems.

Solution

BriskHeat's Silver-Series cloth insulators ensure high-temperature systems are operating at peak efficiency by keeping the heat where it is needed. In addition to being thermally efficient, they provide increased safety for employees by preventing accidental burns. The Silver-Series insulators are easy to install, removable, reusable, durable, and moisture & chemical resistant. A combination of standard size pipe, valve, and flange insulators are easily configurable to fit most pipe systems. Custom insulators can also be designed to fit nearly any shape and size including boilers and large storage tanks.

Standard Silver-Series insulators have an R-Value of 3.3, are rated to 450°F (232°C), and are suitable for outdoor use. Custom Silver-Series insulators can be manufactured with a variety of options up to 1800°F (982°C) exposure temperatures.

Additional Uses

Silver-Series removable cloth insulators provide excellent thermal protection in cold weather freeze protection applications. The easy-installation and reusable design make these insulators ideal where easy access is required.



Industries

- Chemical
- Asphalt
- Food & Beverage
- Petrochemical
- Power Generation
- Wastewater
- Public Utilities
- Pulp & Paper
- General Manufacturing

Types of Users

- Facilities Maintenance
- Process Engineers
- Plant Managers
- Production Managers
- Design Engineers
- Safety Managers