

Prevent Freezing of Condensate Return Lines During Downtime

When a boiler and steam system is running fine, it is hard to think about heating condensate return lines. But in the winter during boiler downtime, a frozen condensate line is a real possibility. Prevent the risk by using mid-temperature self-regulating heating cable with insulation.



Step 1: Choose the right size/type of heating cable

First, measure the length of your condensate return line. This will determine the amount of mid-temperature self-regulating heating cable needed. Second, measure the diameter of the pipe. If the pipe is up to 4" diameter, we recommend 5-watt per foot cable. These recommendations are based on the assumption that ambient temperature will not drop below -10°F (-17.7°C) and that the proper amount of insulation will be provided. Think you have a more extreme situation or unsure of your application? Call us for a FREE heat-loss analysis.

Up to 4" Diameter

Watts	Volts	Part Number
5	120	SLMCAB5120B
5	240	SLMCAB5240B

Please add a \$30.00 cutting charge for spools under 100ft
All prices are per foot

BriskHeat

Have over a 4" inch diameter pipe? Call us for your FREE heat loss analysis!

See next page for Step 2: Choosing the Right Insulation

Step 2: Choose the right insulation

Insulation is based on the diameter of your pipe and the ambient conditions such as temperature and wind. For this particular application, we recommend 1/2" thick insulation if your diameter is 1" or less. If your diameter is greater than 1" but not more than 4", use a 1" thick insulation. We recommend using self-seal polyethylene insulation.



Our self-seal polyethylene insulation comes in 6 ft lengths. Insulation comes pre-slit for easy fit over pipe. The slit can then be closed with the self-seal adhesive included. Use contact adhesive (see page 8) to connect the ends of the insulation. For elbows and angles, simply cut the slit for a snug fit. It is recommended that installation be done when the ambient temperature is between 40°F (4°C) - 100°F (37.7°C).

1" Diameter Pipe or Less (1/2" thick insulation)

Nominal Pipe Diameter	Part Number
1/2"	SSPI-050-0050
3/4"	SSPI-050-0075
1"	SSPI-050-0100

Greater than 1" but Not Greater than 4" Diameter Pipe (1 inch thick insulation)

Nominal Pipe Diameter	Part Number
1 1/4"	SSPI-100-0125
1 1/2"	SSPI-100-0150
2"	SSPI-100-0200
2 1/2"	SSPI-100-0250
3"	SSPI-100-0300
4"	SSPI-100-0400

Insulation Facts

- Cost-effective, Flexible Thermal Insulation
- Handles a Temperature Range of -200°F (-128.9°C) to 200°F (93.3°C)
- Self-Seal Adhesive Slits for Easy Installation
- 1/2" or 1" Thickness
- Can be Used Outdoors

Don't Forget the Contact Adhesive!

Product	Part Number
1 Pint of Contact Adhesive with brush top	SSPI-ADHES-PB



Step 3: Installing your new condensate return line during downtime solution

Proper installation is essential for keeping your condensate lines running during downtime. BriskHeat® makes it easy with an installation pak that has everything you need for each 100ft run including the safeguard surface sensor thermostat.

Each pak includes

- 1 Universal Connection Kit
- 1 Pipe Stand-off Reducer
- 1 Junction Box-Double Hub
- 10 Ea-Caution Labels
- 1 Roll of High Temperature Fiberglass Adhesive Tape
- 1 Surface Sensing Thermostat set at 45°F (7.2°C)

Part Number
SLACC-OPAK