



## Flexible Foil Heaters

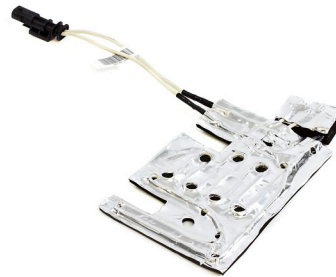
Backer Springfield provides the highest quality flexible foil heaters that can be easily integrated into any therma system. With extended lab capabilities and responsive engineer testing, Backer has the unique capability to customize a solution to perfectly fit your needs. Our flexible foil heaters are guaranteed to provide an economical and efficient heat source.

### BENEFITS

- Easy Installation
- High Efficiency Profile
- Economical
- Targeted Heat Placement

### APPLICATIONS

- Analytical Equipment
- Commercial Refrigeration
- Consumer Refrigeration
- Small Consumer Appliance
- Commercial Food Preparation
- Commercial Service Equipment



With over 100 years of heating technology expertise, our in-house engineers strive to form a partnership with every customer to resolve any heating challenges or new product development needs you may face. Our customers can rest assured that our products are of the best quality and can be seamlessly integrated into any system. Our engineer design and testing and value-added capabilities allow us to focus on providing top of the line solutions that allow for total customer satisfaction.

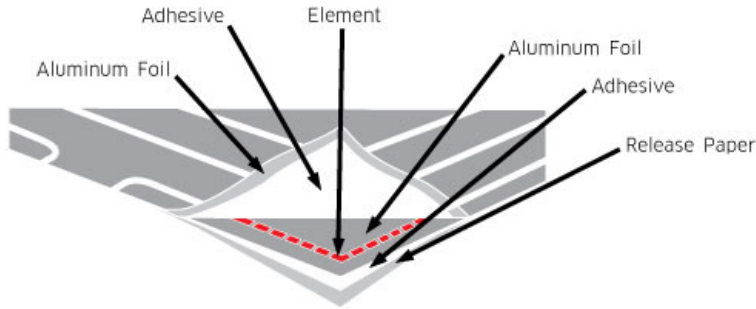


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Issue Date: November 15, 2022

# FLEXIBLE FOIL HEATERS



Backer's flexible foil heaters allow for total customization to provide customers with the perfect solution for their heating needs. Our experienced engineers are able to provide heaters that can accommodate any shape or size necessary for your application.

## TECHNICAL SPECIFICATIONS

Heater Wire	<ul style="list-style-type: none"> <li>-Uniform Watt Density - 22 <math>\Omega</math>/ft. to 8,000 <math>\Omega</math>/ft.</li> <li>-Variable Watt Density and Cold Ended - 1 <math>\Omega</math>/ft. to 6,500 <math>\Omega</math>/ft.</li> <li>-1/32" Wall PVC Insulation (1/16" Available)</li> <li>-1/32" Wall Silicone Insulation (1/16" Available)</li> </ul>
Foil	<ul style="list-style-type: none"> <li>-.002" - .005" Thick</li> <li>*Both foils available with VHS coating or plain</li> </ul>
Dimension	Standard and Custom shapes and sizes available to meet application needs and specific customer requirements.
Lead Wires	<ul style="list-style-type: none"> <li>#18 Stranded Copper, PVC Insulation, or Silicone Insulation</li> <li>#20 Stranded Copper, PVC Insulation, or Silicone Insulation</li> </ul>
Adhesive	<ul style="list-style-type: none"> <li>-Rubber Base (105C)</li> <li>-Standard Acrylic Base (120C)</li> <li>-High Temperature Acrylic Base (150C)</li> <li>-High Temperature Silicone Base (280C)</li> <li>-All with Paper or Polymer Release Lainer</li> </ul>
Connections	<ul style="list-style-type: none"> <li>-Stapled Sleeve - Not Moisture Resistant</li> <li>-Heat Seal Sleeve - Moisture Resistant (105C)</li> <li>-Heat Shrink Sleeve - Moisture Resistant (105C, 125C, 185C)</li> <li>-Adhesive Heat Shrink Sleeve - Moisture Proof (125C)</li> <li>-Silicone Overmold - Moisture Proof (150C, 200C)</li> </ul>

## AVAILABLE CONSTRUCTIONS

### Single Layer PVC

Maximum Operating Temperature: 105 C  
Maximum Watt Density\*: 0.70 Watts/Sq. in.

### Double Layer Standard Foil

*Silicone Insulated Heater Wire*

Maximum Operating Temperature: 150 C  
Maximum Watt Density\*: 1.2 Watts/Sq. in.

### Double Layer Hi-Temp. Foil

*Glass Braid Heater Wire*

Maximum Operating Temperature: 280 C  
Maximum Watt Density\*: 2.0 Watts/Sq. in.



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