

Flexible Induction Blankets

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Induction Heating System 



Blankets easily conform to circular and flat parts.



Miller's (proprietary design) Flexible Induction Blanket is the newest innovation in preheat technology from a leader in the welding industry. The flexible, lightweight induction heating blankets come in a variety of sizes and are capable of preheat temperatures up to 400° F (204° C). The blankets easily conform to circular and flat parts and install in a matter of seconds. Manufactured from durable high-temperature materials, flexible induction blankets are designed to withstand the tough conditions in both industrial and construction applications. Each blanket is supplied with two spare blanket-securing straps and one replaceable Kevlar® sleeve which provides added protection against abrasion, cuts and tears, extending blanket life.

Features and Benefits

Replaceable Kevlar® Sleeve: Each Flexible Induction Blanket is supplied with a replaceable Kevlar® sleeve for added protection against abrasion, cuts and tears. Straightforward installation with hook-and-loop Velcro allows for trouble-free field replacement.

Air-Cooled — 100% Duty Cycle: Rated for continuous operation at 400° F (204° C), all Flexible Induction Blankets feature air-cooling. By eliminating the need for water-cooling as used in conventional induction coils, the Miller Flexible Induction Blanket provides greater flexibility and reduced installation costs.

Twistlock Connectors: Electrical connection to output extension cables is made through the use of durable twistlock connectors. Molded to the ends of wires extending from the blanket, these connectors assure that connection is maintained during handling and operation of the induction system. A rubber boot seals the connection from dirt, debris and moisture.

High Operating Efficiency: With an operating efficiency of approximately 95%, the Flexible Induction Blankets provide efficient preheat performance for thin or heavy wall part application.

True Blue® 90-Day Warranty: Miller Flexible Induction Blankets are built to the highest standards of quality and durability to ensure they withstand the rugged environment to which they're exposed.

Specifications

Maximum preheat temperature: 400° F (204° C)



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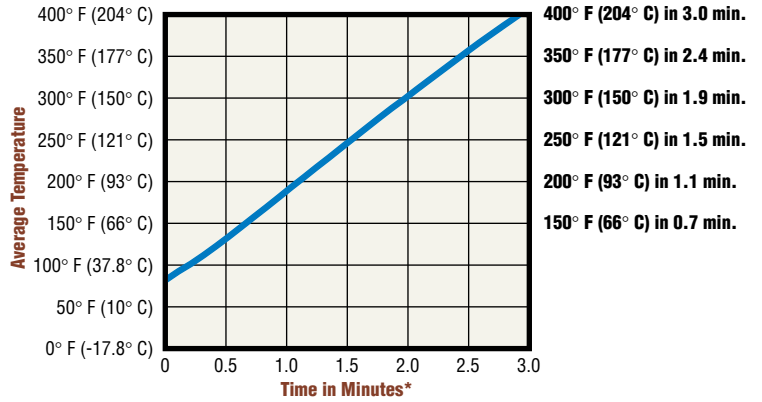


Performance Data

25 kW Time to Temperature with 24-in. (61 cm) diameter pipe blanket

Fixed Parameters

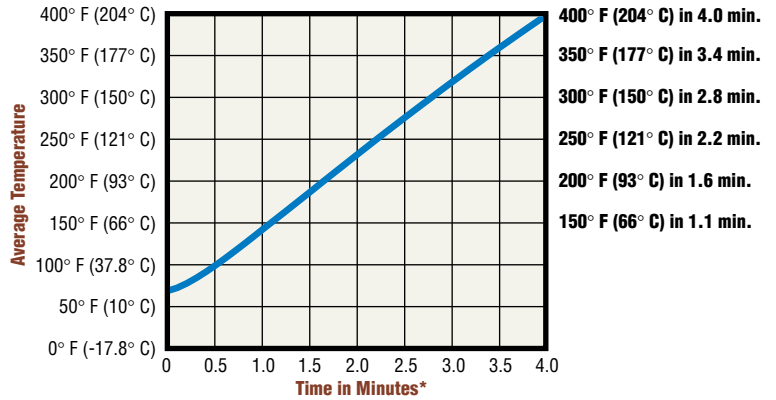
- Ambient temperature: 75° F (24° C)
- Material: carbon steel
- Material mass: 86 lb. (39 kg)
- Still air
- System efficiency: 95%



25 kW Time to Temperature with 36-in. (91 cm) diameter pipe blanket

Fixed Parameters

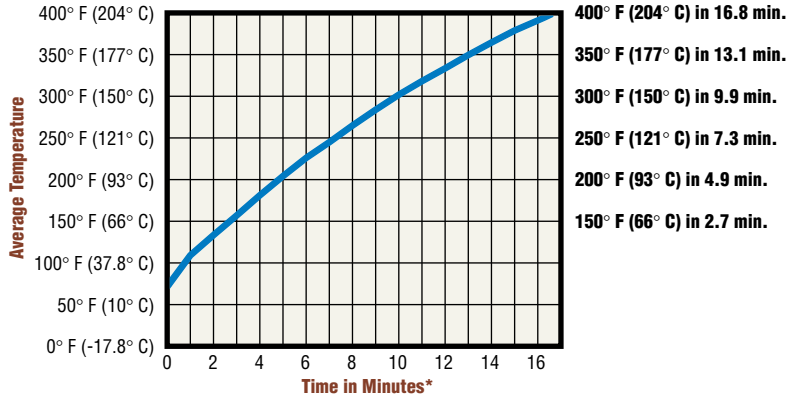
- Ambient temperature: 75° F (24° C)
- Material: carbon steel
- Material mass: 129 lb. (58.5 kg)
- Still air
- System efficiency: 95%



5 kW Time to Temperature with 24-in. (61 cm) diameter pipe blanket

Fixed Parameters

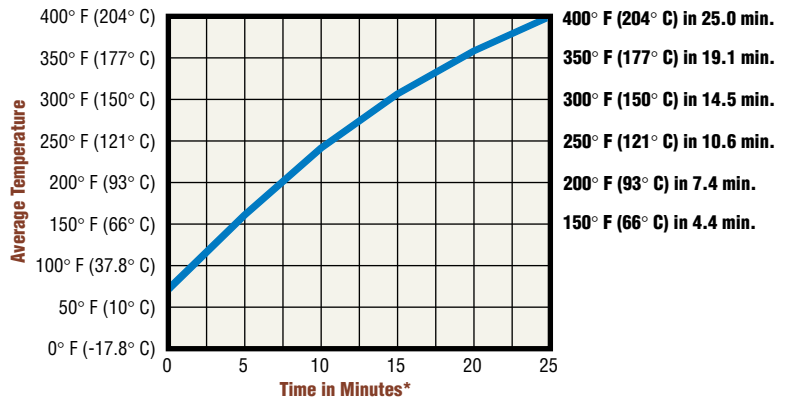
- Ambient temperature: 86° F (30° C)
- Material: carbon steel
- Material mass: 86 lb. (39 kg)
- Still air
- System efficiency: 95%



5 kW Time to Temperature with 36-in. (91 cm) diameter pipe blanket

Fixed Parameters

- Ambient temperature: 75° F (24° C)
- Material: carbon steel
- Material mass: 129 lb. (58.5 kg)
- Still air
- System efficiency: 95%

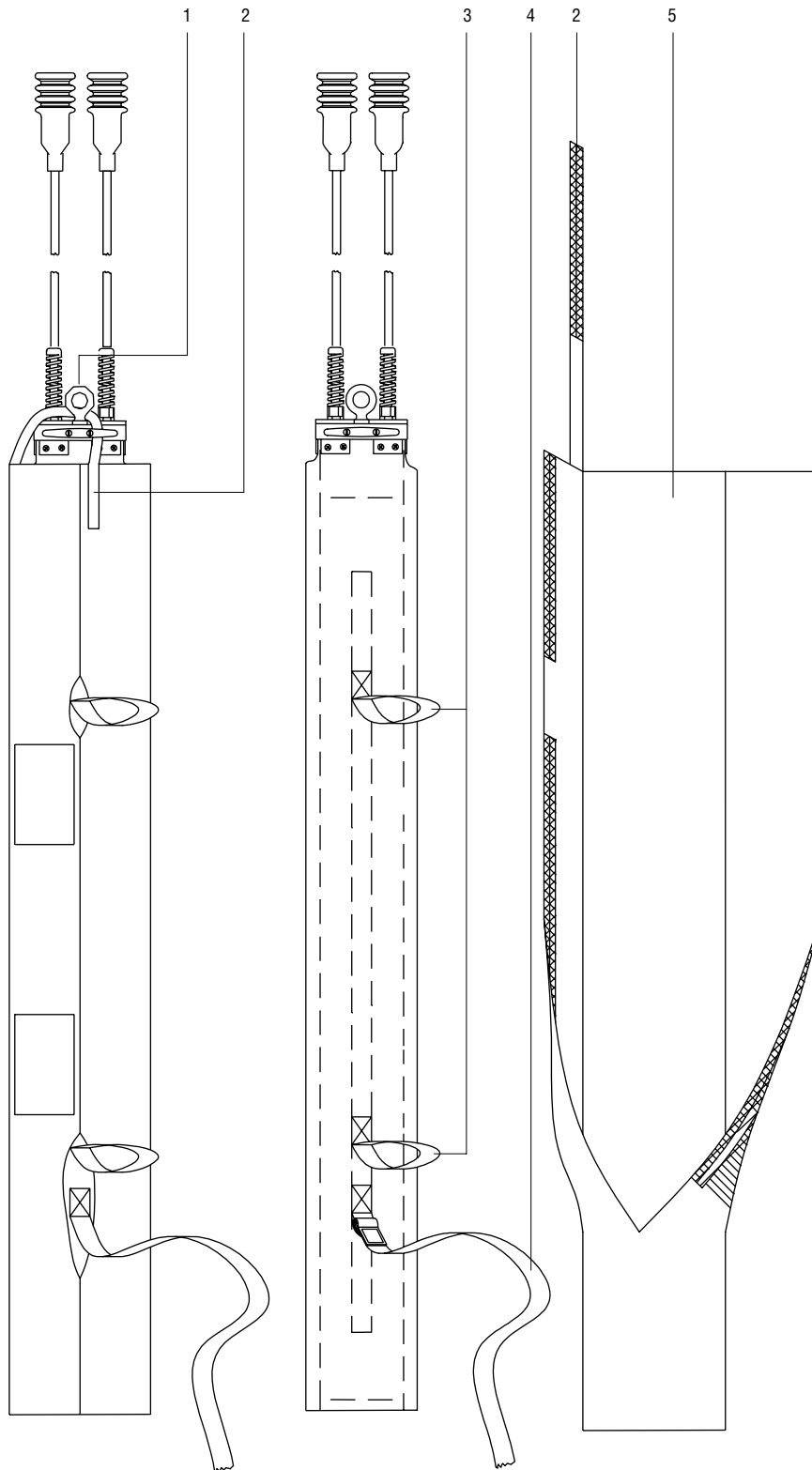


*Heating times are approximate.

Blanket and Sleeve Assembly

Please refer to product manual for detailed assembly and safety information.

- 1. Eyelet
- 2. Sleeve Securing Strap
- 3. Handles
- 4. Blanket Securing Strap
- 5. Protective Sleeve



Accessories

Induction Blanket Sleeve Replaceable Kevlar sleeves for extended induction blanket life.

| | | |
|----------|--------------------------------|------------------------|
| #194 889 | 49 x 10.1 in. (124 cm x 26 cm) | 12-in. (31 cm) pipe |
| #194 888 | 55 x 10.1 in. (140 cm x 26 cm) | 14-in. (36 cm) pipe |
| #194 887 | 62 x 10.1 in. (158 cm x 26 cm) | 16-in. (41 cm) pipe |
| #194 707 | 68 x 9.0 in. (173 cm x 23 cm) | 18-in. (46 cm) pipe |
| #198 664 | 74 x 9.0 in. (188 cm x 23 cm) | 20-in. (51 cm) pipe |
| #198 665 | 81 x 9.0 in. (206 cm x 23 cm) | 22-in. (56 cm) pipe |
| #194 706 | 87 x 9.0 in. (221 cm x 23 cm) | 24-in. (61 cm) pipe |
| #198 666 | 94 x 9.0 in. (239 cm x 23 cm) | 26-in. (66 cm) pipe |
| #198 667 | 100 x 9.0 in. (254 cm x 23 cm) | 28-in. (71 cm) pipe |
| #198 668 | 107 x 9.0 in. (272 cm x 23 cm) | 30-in. (76 cm) pipe |
| #194 705 | 127 x 7.5 in. (323 cm x 19 cm) | 36-in. (91.5 cm) pipe |
| #198 669 | 146 x 7.5 in. (371 cm x 19 cm) | 42-in. (106.7 cm) pipe |
| #198 670 | 166 x 7.5 in. (422 cm x 19 cm) | 48-in. (122 cm) pipe |
| #200 262 | 179 x 7.5 in. (455 cm x 19 cm) | 52-in. (132 cm) pipe |



Blanket Securing Strap #197 866

Output Extension Cable

| | | |
|----------|-----------------|--|
| #198 528 | 25 ft. (7.6 m) | Twistlock to ring lug, Intellifire™ power source |
| #194 703 | 50 ft. (15.2 m) | Twistlock to ring lug, Intellifire™ power source |
| #195 976 | 25 ft. (7.6 m) | Twistlock to circular, IHPS™ II power source |
| #199 179 | 50 ft. (15.2 m) | Twistlock to circular, IHPS™ II power source |



Available in 25 and 50-ft. (7.6 and 15.2 m) lengths. Interconnection between the power source and Flexible Induction Blanket is accomplished through Miller-manufactured Output Extension Cables. This product includes durable twistlock connectors for attachment to the induction blanket. Power source connection is made using ring lugs on the Intellifire™ power source or a 4-pin circular connector on the IHPS™ II. A special cable-potting process is utilized at the cable ends to assure the product withstands the rugged environment experienced in the industrial and construction markets.

Series Adapter Cable

#198 284 Cable, 18-in. (45.7 cm) series adapter

This short adapter cable allows two blankets to be hooked up in a series to a single power source.

Ordering Information

Induction Blanket

| | | |
|----------|--------------------------------|------------------------------------|
| #194 886 | 47 x 10.1 in. (119 cm x 26 cm) | 12-in. (31 cm) pipe with sleeve |
| #194 885 | 53 x 10.1 in. (135 cm x 26 cm) | 14-in. (36 cm) pipe with sleeve |
| #194 884 | 60 x 10.1 in. (152 cm x 26 cm) | 16-in. (41 cm) pipe with sleeve |
| #194 699 | 66 x 9.0 in. (168 cm x 23 cm) | 18-in. (46 cm) pipe with sleeve |
| #198 657 | 72 x 9.0 in. (183 cm x 23 cm) | 20-in. (51 cm) pipe with sleeve |
| #198 658 | 78 x 9.0 in. (198 cm x 23 cm) | 22-in. (56 cm) pipe with sleeve |
| #194 686 | 85 x 9.0 in. (216 cm x 23 cm) | 24-in. (61 cm) pipe with sleeve |
| #198 659 | 91 x 9.0 in. (231 cm x 23 cm) | 26-in. (66 cm) pipe with sleeve |
| #198 660 | 97 x 9.0 in. (246 cm x 23 cm) | 28-in. (71 cm) pipe with sleeve |
| #198 661 | 104 x 9.0 in. (264 cm x 23 cm) | 30-in. (76 cm) pipe with sleeve |
| #194 687 | 122 x 7.5 in. (310 cm x 19 cm) | 36-in. (91.5 cm) pipe with sleeve |
| #198 662 | 141 x 7.5 in. (358 cm x 19 cm) | 42-in. (106.7 cm) pipe with sleeve |
| #198 663 | 160 x 7.5 in. (406 cm x 19 cm) | 48-in. (122 cm) pipe with sleeve |
| #198 066 | 173 x 7.5 in. (439 cm x 19 cm) | 52-in. (132 cm) pipe with sleeve |



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