



STANFIELD[®] HEAT MATS

The world's safest under-body heating solution for livestock.

osbornelivestockequipment.com



Safe and reliable heating for 50 years.

Osborne introduced the Stanfield Heat Mat when the concept of providing under-body heat to newborn pigs in modern production was practically unknown. Within a few short years, the value of heat mats in both the farrowing house and nursery was firmly established.

Unlike heat lamps or other expensive or dangerous overhead heating methods, heat mats put heat exactly where it is needed, are safer and less expensive to operate, last for years, and are available in many shapes and sizes. The benefits and advantages of heat mats over alternative heating methods are firmly established — the Stanfield brand leads the way.

Choose the heat mat advantage.



HEALTHIER PIGLETS

Providing heat without baby pigs piling pays off in better rest and reduced scours.



LARGER LITTERS

Eliminate crush losses by keeping baby pigs safely away from sows.



ENERGY EFFICIENT

More energy efficient than heat lamps. Heat mats last longer, too.



COMFORTABLE SOWS

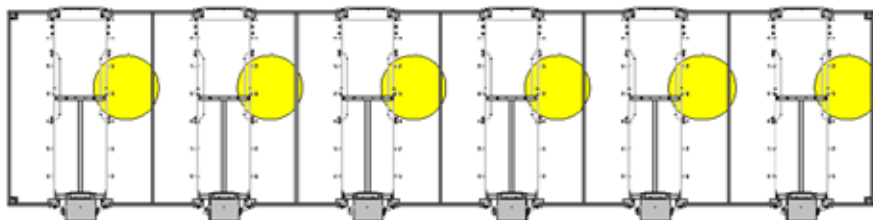
Cooler sows experience less stress, eat better, and produce more milk.

Why create a round, confined area of heat in a farrowing stall or nursery pen?

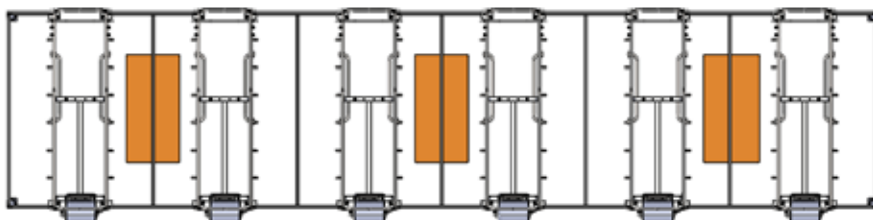
Heat mats utilize the space in farrowing creep areas better and provide consistent, uniform heat over a larger surface, putting heat exactly where it is needed while keeping piglets from piling. With heat mats, sows remain cool and more productive as they are not exposed to the creep area microclimate created by heat mats.

Heat lamps are fragile and “spotlight” heat. Overhead gas heaters can be dangerous and expose workers to harmful combustion products. Energy-hungry infrared heaters create thermal drafts. Operating expenses for all three are high, too.

Heat mats create a larger footprint of heat for a fraction of what alternative heat sources cost. The advantages speak for themselves! There really is no safer or more economical way to promote rapid growth and good health than heat mats.



Heat lamps create a round, confined area of heat in farrowing stalls and heat often reaches the sow causing discomfort and wasting energy.



Heat mats naturally fit the geometry of farrowing stalls and nursery pens and provide a larger, more even area of heat, creating the perfect microclimate for growing animals.

STANFIELD® Heat Mats



Choose the Stanfield advantage.

Not all heat mats are the same.

When selecting the best heat mat, there are a number of factors to consider. Quality and performance vary greatly between different manufacturers based on design and construction. With 50 years on the market, the Stanfield brand delivers the best quality, durability, and performance for healthy growth and development. Discover why thousands of producers all over the world trust Stanfield heat mats for their most valuable animals.



UNIFORM HEAT DISTRIBUTION

University studies prove Stanfield Heat Mats evenly distribute heat better than any other brand of under-body electric heating mat.



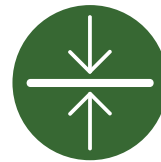
DOUBLE-INSULATED HEATING

A low-temperature, double-insulated heating element is safely and fully encapsulated in water-tight, flame-resistant, and abrasion-resistant non-porous fiberglass-reinforced composite.



SAFEST DESIGN

Stanfield mats have earned virtually all global electric safety certifications - CSA, CE, IEC, PSE, and others - more than any other brand.



ULTRA-THIN PROFILE

Other heat mats have a heating element bonded inside a shell, making them bulky and prone to moisture entry and early failure. Stanfield mats have the thinnest profile for easy animal access.



RELIABLE PERFORMANCE

Owing to their design, materials, and workmanship, decades-old mats in the field are still operating like new all over the world.



STANFIELD® Farrowing Heat Mats

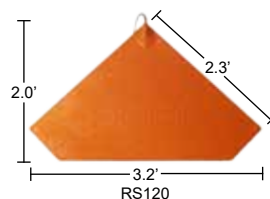
At full power, Stanfield Farrowing Heat Mats provide a uniformly warm surface 30 - 35°F (16 - 20°C) above air temperature. This creates a 90 - 100°F (32 - 38°C) resting surface in a 60 - 70°F (15 - 21°C) building. Piglets seek the warmth and rest near the draft barrier, safely away from the sow. The heat mat's tough fiberglass-reinforced composite material is molded into a surface that is easy to clean, yet gives piglets solid footing. Divider panel cleats and pre-drilled holes for tie downs make installation easy. Stanfield Farrowing Heat Mats help you increase productivity.

Stanfield Farrowing Heat Mats let you:

- Feed for growth, not warmth.
- Avoid losses from illness and crushing.
- Reduce room temperature without stressing piglets.

ONE-LITTER (SINGLE) FARROWING HEAT MATS

Catalog Number	Overall Size Feet (Meters)	Pigs Served*	Power Output (W) Maximum at 120/220V	Energy Used kWh/Day Maximum
FH-RS1824	1.5 x 2.0 (0.46 x 0.61)	Up to 9	95	2.28
FH-RS1200	2.0 x 2.3 x 3.2 (0.62 x 0.70 x 0.99) Triangular	10 to 12	90	2.16
FH-RS1B30	1.0 x 3.0 (0.30 x 0.91)	Up to 9	80	1.92
FH-RS1B40	1.0 x 4.0 (0.30 x 1.22)	Up to 12	100	2.40
FH-RS1B50	1.0 x 5.0 (0.30 x 1.52)	Up to 15	145	3.48
FH-RSE106	1.0 x 6.0 (0.30 x 1.83) L-Shaped	10 to 12	160	3.84



TWO-LITTER (DOUBLE) FARROWING HEAT MATS

FH-RS2B30	2.0 x 3.0 (0.61 x 0.91)	Up to 18	160	3.84
FH-RS2B40	2.0 x 4.0 (0.61 x 1.22)	Up to 24	200	4.80
FH-RS2B50	2.0 x 5.0 (0.61 x 1.52)	Up to 30	290	6.96



* Capacity based on three pigs per square foot.

STANFIELD® Heat Mats



STANFIELD® Nursery Heat Mats

You will achieve better survival, better health, and better gain when you put heat where it is needed. Stanfield Nursery Heat Mats provide a uniformly warm surface 20-25°F (11-14°C) above air temperature. They create an 80-90°F (26-32°C) resting area that attracts nursery pigs in a 60-70°F (15-21°C) building. The heat mat's tough, wear-resistant fiberglass-reinforced composite material stands up to the hard use fifty-pound pigs can deliver. It is strong, durable, easy to clean and provides sure footing. Pre-drilled holes for tie-downs make installation easy.

Stanfield Nursery Heat Mats help you:

- Reduce weaning stress.
- Promote healthful rest.
- Build disease resistance.



TAKE ADVANTAGE OF ENERGY REBATES NEAR YOU!

Stanfield Heat Mats qualify for money-saving agricultural rebates from utility providers across the U.S. and Canada. Check with your provider for rebate availability, eligibility, or more information on how to be rewarded for your investment in energy-saving heat for your animals!

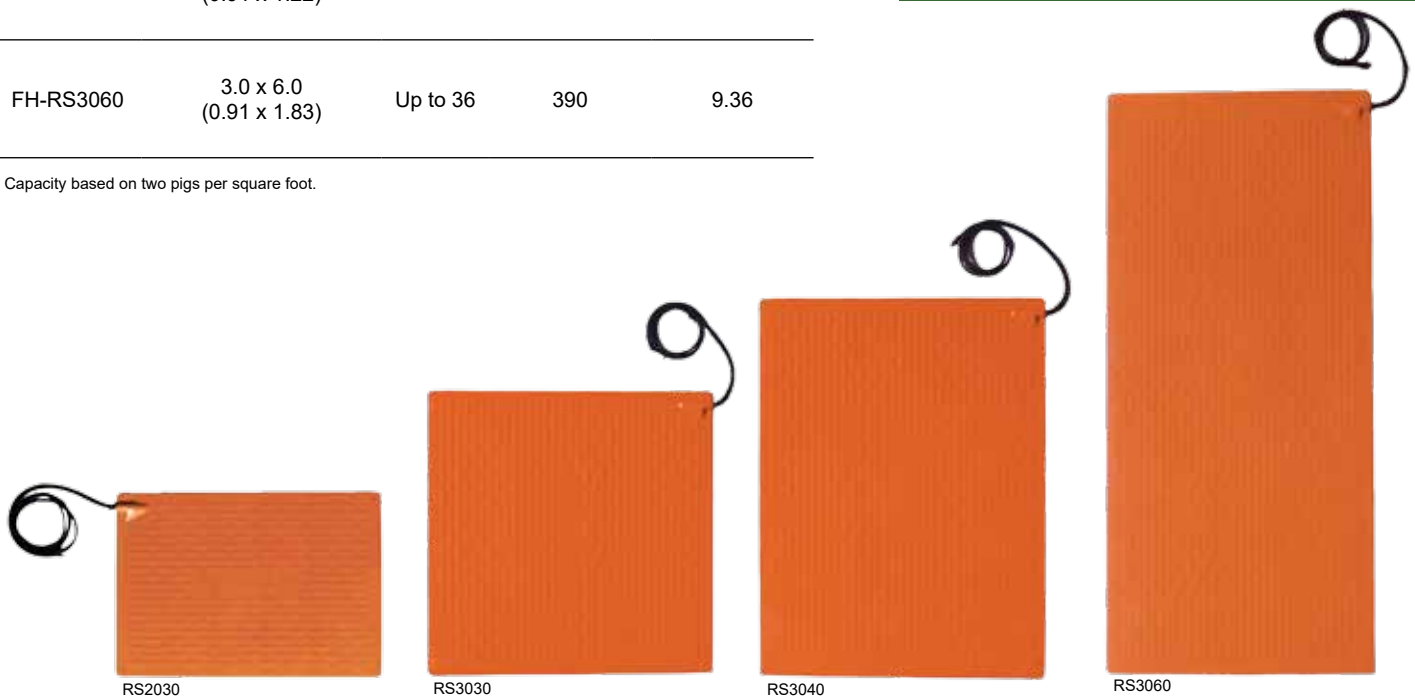
All Stanfield Heat Mats are available for 110, 208, and 220 VAC and with international plugs.

**Contact Osborne Customer Service
for details and specifications.**

NURSERY HEAT MATS

Catalog Number	Overall Size Feet (Meters)	Pigs Served*	Power Output (W) Maximum at 120/220V	Energy Used kWh/Day Maximum
FH-RS2030	2.0 x 3.0 (0.61 x 0.91)	Up to 12	115	2.76
FH-RS3030	3.0 x 3.0 (0.91 x 0.91)	Up to 18	200	4.80
FH-RS3040	3.0 x 4.0 (0.91 x 1.22)	Up to 24	275	6.60
FH-RS3060	3.0 x 6.0 (0.91 x 1.83)	Up to 36	390	9.36

* Capacity based on two pigs per square foot.



ENERGY-SAVING Rheostats & Automatic Controls

Maintain the best temperature for your Stanfield Heat Mats with money-saving controls and deliver the optimal temperature for healthy animal development and maximum energy savings.

Ranging from a single-mat manual rheostat-style control to feature-loaded, automatic ramping controls for an entire system of Stanfield Heat Mats, we have the perfect control for you—and your animals'—specific needs.

Heat mat controls from Osborne let you:

- Increase energy savings by reducing power to individual or groups of heat mats.
- Reduce the temperature to connected heat mats as pigs grow and require less warmth.
- Select the size and capacity necessary for your specific needs.

SINGLE MAT MANUAL RHEOSTAT



TWO-MAT MANUAL RHEOSTAT



AUTOMATIC CONTROL



HIGH-CAPACITY AUTOMATIC CONTROL



Controls a single mat
up to 300W

Controls two mats
up to 600W simultaneously

Controls system of
heat mats up to 4,800W

Controls system of
heat mats up to 9,600W

Catalog No.	Catalog No.	Catalog No.	Catalog No.
FE-PPF301	FE-00F911	FE-00F920A (120V) FE-0HF920A (220V)	FE-00F920D (120V) FE-0HF920D (220V)
Input Voltage	Input Voltage	Input Voltage	Input Voltage
120V, 50/60 Hz	120V, 50/60 Hz	120V, 50/60 Hz 220V, 50/60 Hz	120V, 50/60 Hz 220V, 50/60 Hz
Max Current Rating	Max Current Rating	Max Current Rating	Max Current Rating
3 Amps RMS	5 Amps RMS	20 Amps RMS	40 Amps RMS (20/circuit)
Output Capacity	Output Capacity	Output Capacity	Output Capacity
300W	600W	2,400W (120V) 4,800W (220V)	4,800W/Circuit (120V) 9,600W/Circuit (220V)
Enclosure Size	Enclosure Size	Enclosure Size	Enclosure Size
2.25 x 2.5 x 3-in. 5.7 x 6.3 x 7.6-cm	2 x 2.75 x 4-in. 5 x 7 x 10.5-cm	4.25 x 3.5 x 8-in. 11 x 9 x 20.5-cm	6.25 x 3.5 x 9.5-in. 6.25 x 3.5 x 9.5-cm

Note: Single mat rheostat (FE-PPF301) is UL Listed and calibrated to 23V at lowest setting. Automatic mat control (FE-00F920A) is CSA Approved.

MICROZONE® Automatic Temperature-Ramping Heat Mat Controls

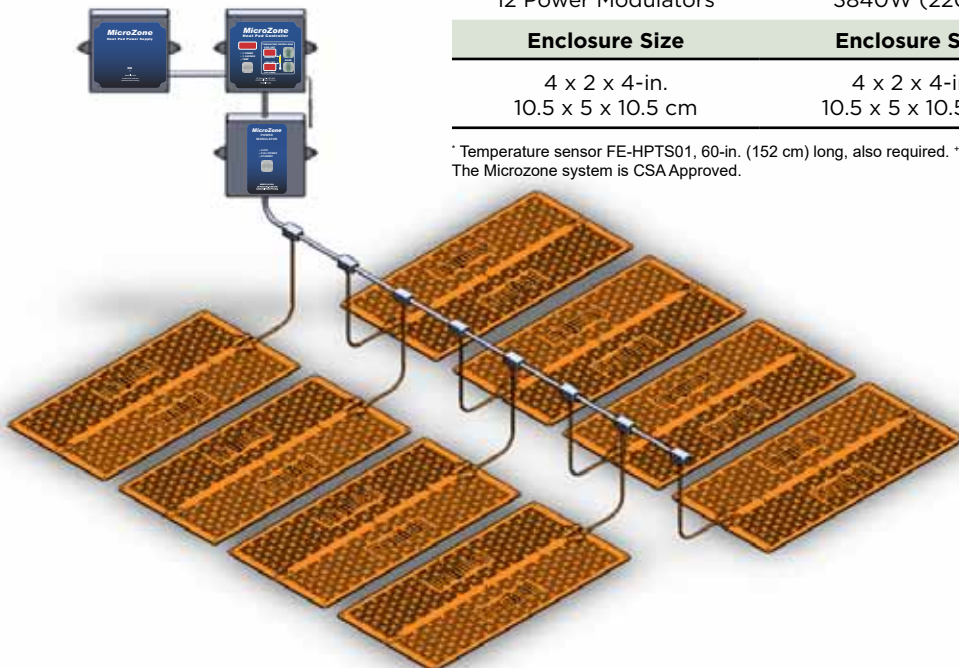
The Herdstar® Microzone® heat mat control system lets you completely and automatically regulate the temperature of an entire system of heat mats.




A user-specified temperature band allows you to keep the temperature of heat mats in the piglet zone in the perfect place. The temperature ramping feature from 0-100% automatically reduces the surface temperature of the mats each day as piglets grow and their heating requirements change.

A Microzone system saves users 30% or more in energy costs and pays for itself in energy savings in as little as 12 to 18 months!

Microzone system controls let you:

- Automatically regulate surface temperatures of large systems and entire rooms of heat mats.
- Automatically reduce the power to connected heat mats as pigs grow and require less warmth.
- Reduce energy costs and save money.
- Protect connected heat mats from transient voltage spikes, thermal overload, and short circuits.



AUTOMATIC CONTROL*	POWER MODULATOR	POWER SUPPLY
		
Monitors room temperature and varies power to mats from 0-100%.	Regulates power going to mats based on commands from the Control.	Provides operating power for the Control at a safe, low voltage.
Catalog No.	Catalog No.	Catalog No.
FE-HPC001 (120/240V) FE-HPC002 (0-10 VDC)*	FE-HPPM01 (120V) FE-HPPM02 (240V)	FE-HPCPS1 (120V) FE-HPCPS2 (240V)
Input Voltage	Input Voltage	Input Voltage
120V/240V, 50/60 Hz 0-10VDC, 50/60 Hz	120V, 50/60 Hz 240V, 50/60 Hz	120V, 50/60 Hz 220V, 50/60 Hz
Max Current Rating	Max Current Rating	Max Current Rating
—	16 Amps RMS	—
Output Capacity	Output Capacity	Output Capacity
Manages up to 12 Power Modulators	1920W (120V) 3840W (220V)	2,400W (120V) 4,800W (220V)
Enclosure Size	Enclosure Size	Enclosure Size
4 x 2 x 4-in. 10.5 x 5 x 10.5 cm	4 x 2 x 4-in. 10.5 x 5 x 10.5 cm	4 x 2 x 4-in. 10.5 x 5 x 10.5 cm

* Temperature sensor FE-HPTS01, 60-in. (152 cm) long, also required. * Control FE-HPC002 is used with Complete Barn Controls. The Microzone system is CSA Approved.



“ We have been using these heat mats for 15 years. The slim design works well in our farrowing crates. We utilize our mats with thermostats to control the temperature. We use both the single and double pads and have not had any problems beyond normal wear and tear. We highly recommend these heat pads.

— Jay O., Lincoln, NE

Important features of [Stanfield] heat mats are the minimal thickness, the ease of cleaning, and the low maintenance. The mats transfer heat well & evenly.

— Kimberly W., Bonsall, CA

I have used Stanfield Heat Mats to create a warm microclimate for newly farrowed pigs. Their quality and consistent heat distribution give the pigs plenty of room to rest comfortably without piling. I even have some mats that were manufactured in the 90s that still work like they were purchased yesterday. That is a testament to their reliability.

— John G., Harlan, KS ”

STANFIELD® Heat Mat Accessories

Power Cord Protectors



Catalog No.

FH-00F152

FH-00F150

Use

Floor-mount
24-in. (61 cm)

Wall-mount
16-in. (41 cm)

Smart-Fasteners



Catalog No.

RFM-1080

Use

For fastening heat mats to slatted flooring. 10 mm slot opening required.

Heat Mat Indicator Light



Catalog No.

FE-HPIL001

Use

Dual-light system shows available power and heat mats heating



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