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instructions
for use



HotDog® Warming Blankets

Getting Started Guide

What's in the Box

- Veterinary Warming Blanket (Model V101-V106)
- (1) Blanket Strap for positioning
- Getting Started guide

Required Accessories (sold separately)

- A101 Yellow Blanket Cable (for connection to WC7xV Controller).

Purpose

Your HotDog Warming Blanket provides safe, uniform heat to maintain patient normothermia during veterinary procedures and recovery. Warming Blankets are reusable for up to 2-years.

The full instructions for use can be accessed by scanning the QR code located at the top of this page, the back of this guide, or by visiting vetwarming.com/manuals.

Identify & Check Your Blanket

1. Locate the short yellow cable extending from the Blanket.
2. Note the:
 - a. Serial number
 - b. Expiration date (2 years after ship date, printed on the yellow cable)

Note: Always check the expiration date on the applicable short cable prior to each use — remove from service and replace if expired.

3. Why our Warming Blankets Expire:

- a. The conductive fabric naturally oxidizes over time, increasing resistance and reducing heating performance after ~24 months.
- b. Normal wear. Repeated cleaning, and handling can cause components to degrade or the outer shell to become damaged, affecting safe, consistent use.

Blanket Sizes & Size Recommendations

Select the size that best suits your patient.

Model	Size (in / cm)	Typical Patient Use
V101 – Extra Small	10" × 12" (25.4 × 30.5 cm)	Mice, rats (research)
V102 – Small	10" × 23" (25.4 × 58.4 cm)	Exotics, pocket pets
V103 – Medium	16" × 22" (40.6 × 55.9 cm)	Average-size cat
V104 – Large	22" × 31" (55.9 × 78.7 cm)	Average-size dog
V106 – Extra Large	27" × 47" (68.6 × 119.4 cm)	Larger dogs

Connect to your Controller

1. Ensure your Controller is powered on and displaying the “Please connect device to begin” message.
2. Connect the short yellow cable extending out of the Blanket to the yellow A101 extension cable:
 - Align red dots.
 - Push straight in — do not twist.
3. Connect the other end of the A101 cable to a yellow port on your Controller with the:
 - Red dot facing up, and;
 - Push straight in — do not twist.
4. Listen for the beep — this means the safety systems are active.
5. Set temperature using your Controller*:
 - **Max temp precaution:** Do not exceed 40°C / 104°F when Blanket **is under or wrapped around** the patient.
 - **See complete instructions for use for temperature selection guidelines. Scan the QR code for quick access.*

Blanket Positioning Guidance*

HotDog Veterinary Warming Blankets can be used under, over, or around the patient, giving clinicians flexibility for different procedures and setups. Underbody use provides even, conductive heat from below, ideal for surgery or recovery when the patient is positioned on a stable surface with a thin barrier in place. Overbody warming can be used for added heat during recovery or when direct contact underneath isn't practical.

For maximum warming efficiency, the Blanket can also be wrapped around the patient in a “Hot Dog style” configuration, using the provided straps to secure it comfortably. This

method offers the greatest surface contact and helps maintain core temperature, especially during longer or cooler procedures.

The Blankets are waterproof, making them suitable for wet procedures like dentals or orthopedic lavage, as long as fluid is managed to prevent pooling and connectors stay dry.

**Visit www.vetwarming.com/manuals or scan either of the QR codes located on this document to review the full instructions for use, which contain example positioning images and more granular guidance.*

Best Practices for Safe & Effective Warming

- Do not use expired or damaged warming devices. Injury may result.
- Keep patient positioned over the warming devices sensor target area (black, patient-facing side).
- Always use a thin barrier (e.g., thin bed sheet or < 0.8mm thickness) between the patient and the Warming Blanket.
- Warming Blankets are not pressure-reduction devices. Ensure the use of a pressure offloading solution such as the HotDog Pressure Reduction Pad.
- For wet procedures:
 - Warming devices are waterproof but avoid pooling fluids on sensor area.
 - Position patient or tilt table slightly to direct drainage away from the patient/sensor.
 - Keep connectors dry.
- Never fold a Warming Blanket black (patient-side) onto itself — fold purple-to-purple only as needed for Blanket positioning.

- Avoid placing sharp objects or hard items between patient and warming device.
- If using a vacuum-activated positioning system such as the Hug-U-Vac Positioner, do not place a Warming Blanket in-between the positioning device and the patient. Use overbody warming only.

**Please review the instructions for use located at vetwarming.com/manuals for a complete list of warnings and precautions.*

Troubleshooting

For a complete list of error codes and step-by-step troubleshooting instructions, please refer to the IFU.

Code	What It Means	What to Do
E1	Over-temp	Unplug warming device, wait 5 min, reconnect. Stop use if repeats.
E2	Warming Device not heating	Check sensor contact, reconnect, verify expiration date on yellow/blue cable. Replace if expired.
E4	Sensor/cable issue	Try a different cable or warming device; stop use if repeats.
E8	Over-temp sensor (secondary)	Disconnect warming device, check expiration date on yellow cable, and contact Customer Service.

For persistent issues, call Customer Service: 952-465-3500.

Cleaning & Maintenance

After each use:

1. Inspect the Blanket for signs of damage/wear. Discontinue use if damage is observed.
2. Wipe with an approved cleaner:
 - Diluted alcohol-based (per manufacturer guidelines)

- Diluted bleach (per manufacturer guidelines)
 - Diluted chlorhexidine (per manufacturer guidelines)
3. Avoid spraying solutions into cable ports or openings.
 4. Wipe with damp cloth to remove residue; air dry completely.

Storage & Lifespan

- Store Warming Blankets flat, or rolled.
- Coil cables loosely; use cable-retention loop on the Controller for storage.
- Warming devices (Blankets/mattresses) have an average lifespan of 18–24 months and expire 2 years after shipping.
 - Expiration ensures safe, effective heating — replace before this date.

FAQ – Frequently Asked Questions

1. How does HotDog Patient Warming work?

HotDog Warming Blankets use a conductive polymer ThermAssure™ fabric. A low-voltage DC current flows over this light, flexible fabric, and the resistance generates uniform warmth. They do not contain carbon fiber or ink, which could break and cause hot spots.

2. Why is HotDog Warming safe?

The WC7xV Controller is a microprocessor with multiple built-in safety features. It continuously monitors the connected warming device at the patient and will automatically stop operation if readings are outside safe parameters. The system uses low-voltage, floating, isolated DC current, and the flexible conductive polymer fabric generates uniform heat with no hot spots.

3. Are the Blankets difficult to clean?

No. Cleaning takes 30 seconds or less. Wipe with an approved cleaner such as alcohol, diluted bleach, chlorhexidine, or ammonium

chloride-based solutions. Do not use hydrogen peroxide-based cleaners or abrasive products. The non-porous outer shell contains an antimicrobial, and the edges are heat-sealed to eliminate crevices.

4. How do I get the best warming results?

- **Body Surface Area:** Warm as much surface area as possible. Warming the core is more effective than warming the periphery.
- **Sensor Contact:** Ensure the Blanket's sensor is in direct contact with the patient for accurate temperature control and safety system activation.

5. What temperature should I select?

Start with the 40°C (104°F) setting. Monitor the patient's temperature frequently during each case. Adjust gradually to maintain normothermia. Do not exceed 40°C (104°F) when the Blanket is under or wrapped around the patient.

6. How do I select Blanket size?

Choose from the five available sizes. Select the size that covers the most patient surface area without interfering with the procedure site.

7. How do I position the Blanket?

The Blanket can be placed over, under, or wrapped around the patient. Do not exceed 40°C (104°F) when any portion of the Blanket is under the patient. Always position the black sensor side toward the patient.

8. Can the HotDog System be used in x-ray?

Yes. The heater fabric is radiolucent, but the parallel busbars along the long edges and the sensor area are radio-opaque. Position the Blanket so these areas are outside the imaging field.

9. How do I manage pressure reduction?

All patients should have pressure reduction measures in place during procedures. Use a pressure-offloading solution, such as the HotDog Pressure-Reduction Pad or an equivalent device, between the Blanket and any hard surface. This helps prevent pressure points, especially over bony prominences, and supports overall patient comfort and safety.

Contact Us

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