

# *SpeedHeat*<sup>VE</sup>

*Active Warming for  
Chemotherapy*

---

Innovative technology for enhanced venous access



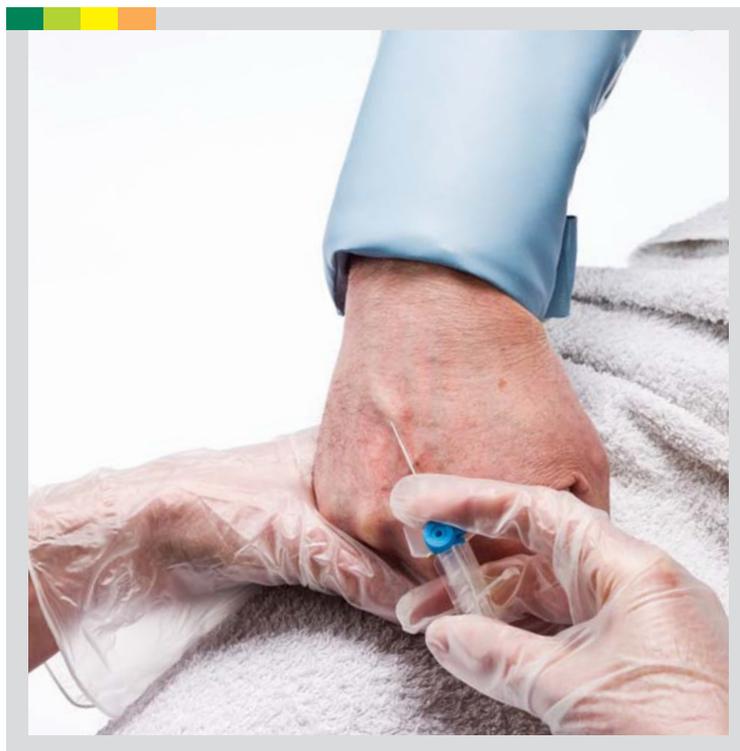
**INDITHERM**  
*Medical*



# SpeedHeat<sup>VE</sup>

*Local warming for chemotherapy*

- **Improves Venous Access**
- **Improves Patient Comfort**
- **Improves Local Perfusion**  
- *Helps prevent venous collapse*



The benefits of local therapeutic warming are well established and include the reduction of pain, improved perfusion and relaxing of muscles<sup>1,2</sup>.

As a fully approved Medical Device the SpeedHeat<sup>VE</sup> provides assured safety, quality and performance.

**“raising veins that are hidden, over-used or fragile, prior to cannulation”**

## Features and Benefits

### Clinical Benefits

- Improves local perfusion
- Enhances venous access
- Helps prevent venous collapse
- Improves patient comfort

### Safe and Robust

- Precise thermal regulation
- Fully approved Medical Device
- Durable, fully sealed heat pad
- Low voltage operation

### Exceptional Performance

- Latest patented carbon polymer technology
- High thermal transfer
- Very rapid warm-up
- Completely uniform temperature characteristics

### Practical and Convenient

- Simple to use
- Easy to clean
- Full access to cannula

## Patient Safety

Pre-warming methods as diverse as bowls of hot water, heated towels and microwave heated bean bags have been used to facilitate easier cannulation. Critically, none of these provide reliable temperature control and all raise issues of cross contamination and safe practice. SpeedHeat<sup>VE</sup> is an approved Medical Device and provides safe, effective and reliable warming using advanced carbon polymer warming technology and digital electronic control. Safe, low voltage operation and built-in temperature sensors protect the patient and the care-giver.



▲ Difference in veins before and during use of Inditherm SpeedHeat<sup>VE</sup> system.

## Easier Cannulation

Repeated cannulation is often required for extended courses of treatment. The benefits of local warming include the raising of veins that are hidden, over-used or fragile, prior to the insertion of the cannula. This leads to a reduction in both the time taken and the number of attempts required.<sup>1,2,3</sup> This is more comfortable for the patient and more satisfactory for the clinical staff.

## Patient Comfort

During infusion the patient can often feel a level of discomfort, cold and irritation. In addition to the benefits of easier cannulation, SpeedHeat<sup>VE</sup> can help reduce pain and make the patient more comfortable and relaxed.

Local warming also helps reduce the risk of venous collapse and extravasation.

## Preventing Cross-infection

SpeedHeat<sup>VE</sup> pads are fully sealed and may be readily and easily cleaned using standard healthcare cleaning products and protocols. Pads are covered in a special soft, latex-free polyurethane-coated fabric that is fully waterproof. Welded seams prevent fluid ingress, even with liberal and frequent cleaning.

SpeedHeat<sup>VE</sup> provides precise temperature regulation with no hot spots, that is achieved by means of a digital electronic control unit. Patented Inditherm carbon polymer technology is utilised within the warming pad for optimal thermal transfer in a system that is safe, practical, comfortable, convenient and highly effective.

## Control Unit

The compact control unit is simple to operate, reliable and robust. The temperature is accurately controlled to ensure total patient safety and it can be used free-standing or be attached to an I.V. pole for convenience. SpeedHeat<sup>VE</sup> is a registered Medical Device.



## Warming Pads

The warming pads have a comfortable, soft-feel outer cover with a wipe clean surface for protection from cross contamination. They come in a range of sizes to fit all patients and can be used on different parts of the body. The special concealed magnetic straps mean there are no ties or buckles on the pads and there is also an option to have disposable single use covers.

**“...no need for improvised warming, this is a made-for-purpose Medical Device”**

## Technical Specifications

### Warming Pad Construction:

Inditherm patented flexible carbon polymer warming technology

Encapsulated in a soft, latex-free nylon fabric cover with a non-microporous polyurethane coating, fully sealed with RF welded seams

In-built temperature sensor for precision control

Flexible retaining straps with magnetic catches

### Temperature Output Range:

Temperature range: 24°C to 60°C (75°F to 140°F) in steps of 1°C (2°F)

### Power:

**Control Unit:** 230 or 110 Vac, 50 / 60 Hz. 75W

**Warming Pads:** 24 Vac (nom)

### Dimensions:

#### Type:

#### Size:

<b>Control Unit:</b>		SHC001	190 x 130 x 100mm
<b>Warming Pads:</b>	Small	SHP015	270 x 185mm
	Medium	SHP016	325 x 245mm
	Large	SHP017	380 x 300mm

### Accessories:

**Disposable Covers:** Single use, supplied in multi-packs of 100

**Mounting Bracket:** Used to fit control unit to I.V. Pole

### Compliance:

93/42/EEC Medical Devices Directive

73/23/EEC Low Voltage Devices Directive

EN60601-1 Class IIa, Type BF

### Environmental :

**Ambient Temperature (Operating):** 15°C to 40°C (59°F to 104°F)

**Ambient Temperature (Storage):** -10°C to +55°C (14°F to 131°F)

**Relative Humidity:** 30% to 70%

## Inditherm – experts in warming solutions

Inditherm are experts in heating and warming solutions for a wide range of industries and applications. Their innovative, world-leading technology is setting the standard in warming practice for patient care during surgery, for premature babies and in other critical care situations.

Inditherm's patient warming technology is currently used in diverse clinical situations, including operating rooms, neonatal units and emergency departments.

Inditherm Medical is a trading division of Inditherm plc

Due to continuous product development the company reserves the right to change these details without notice.

## References

1. **Local warming and insertion of peripheral venous cannulas: single blinded prospective randomised controlled trial and single blinded randomised crossover trial.**

Lenhardt R, Seybold T, Kimberger O, Stoiser B, Sessler DI.

BMJ 2002;325:409 doi:10.1136/bmj.325.7361.409

2. **Local warming does help when inserting cannulas**

Beer, J. BMJ. 2002 November 2; 325(7371): 1038

3. **Nursing Guidelines June 2005 rev June 2006.**

Yorkshire Cancer Network, Arthington House, Cookridge Hospital, Leeds LS16 6QB.



**INDITHERM**  
**Medical**

Houndhill Park  
Bolton Road  
Rotherham  
S63 7LG  
United Kingdom

Telephone: +44 (0)1709 761000

Fax: +44 (0)1709 761066

Email: [sales@indithermplc.com](mailto:sales@indithermplc.com)

Website: [www.inditherm.com/medical](http://www.inditherm.com/medical)

