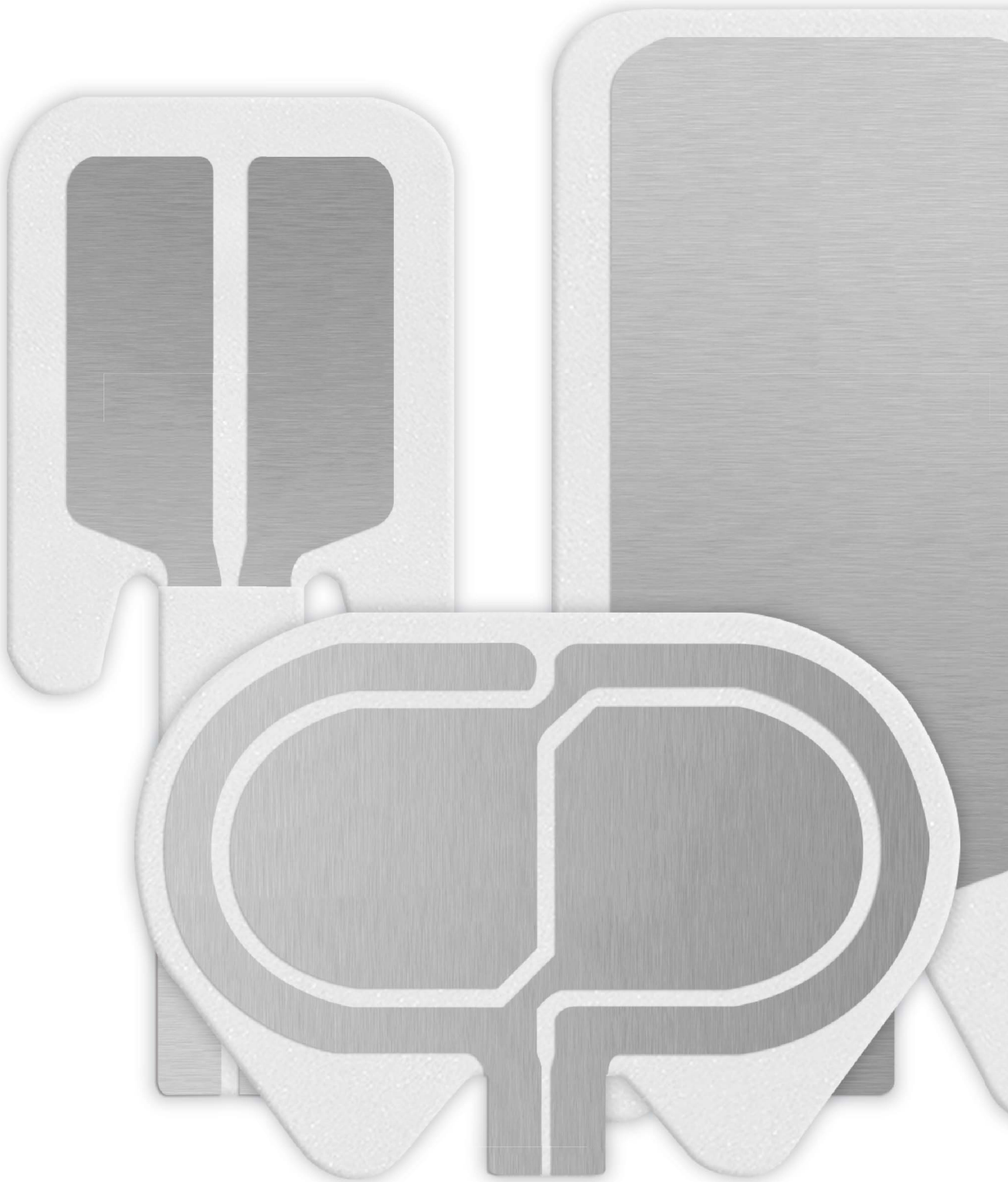


# DIATHERMY PADS



GROUNDING PADS | DIATHERMY PADS | NEUTRAL ELECTRODES

**nissHa**  
MEDICAL TECHNOLOGIES

DESIGN &  
MANUFACTURING



Our Grounding Pads deliver superior performance. For over 20 years, we have been manufacturing Grounding Pads in our Innsbruck, Austria facility and have no recorded quality complaints to date.

# GROUNDING PADS

From our patented TwinSafe design to our standard SwaroPlate offering, NMT-DM Grounding (Diathermy) Pads are compatible with many electrosurgical generators. Pads are produced with the highest quality materials and designed to ensure complete contact during high-frequency surgery.

# Grounding Pads

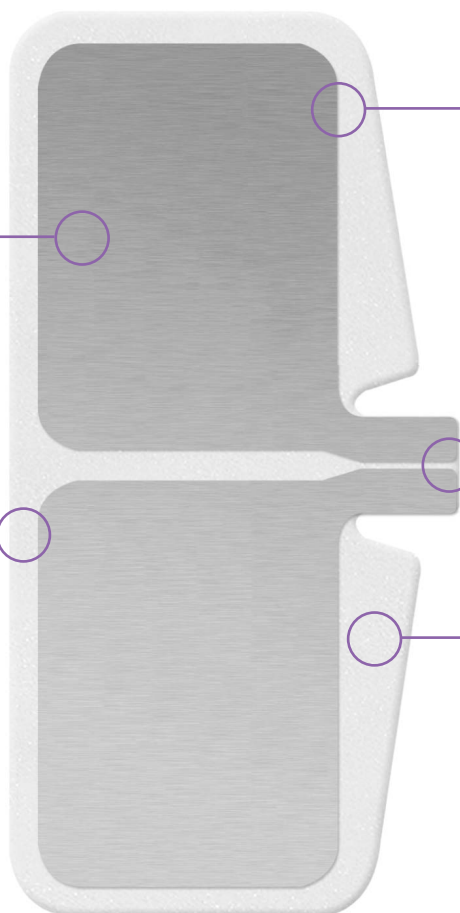
## Diathermy Pads | Neutral Electrodes

### HYDROGEL TECHNOLOGY

Strong but gentle hydrogel adhesive provides immediate and steady impedance upon skin contact.

### ADHESIVE FOAM BORDER

The highly flexible adhesive foam border and the conductive gel ensures that the electrode will stay secure.



### REDUCED EDGE EFFECT

Rounded edges remove heavily concentrated areas of current thus reducing the chance of patient burns.

### SPLIT ELECTRODE

Compatible with most High Frequency (HF) surgery devices with Contact Quality Monitoring (CQM).

### EXCELLENT SKIN COMPATIBILITY

Gel and adhesive foam are tolerated even by sensitive skin. There is no gel residue left on the skin after application.

## Disposable Connection Cables

These single-use connection cables come already packaged with your prewired grounding pads.

### JACK CONNECTOR:



### VALLEYLAB REM:



### VALLEYLAB NON-REM:



## Reusable Connection Cables

These durable connection cables are intended for use in multiple procedures when appropriate sterilisation procedures are followed.

### JACK CONNECTOR:

REF 1233: Length 3m  
REF 1234: Length 5m

### VALLEYLAB REM:

REF 1239: Length 5m

### VALLEYLAB NON-REM:

REF 1236: Length 5m

### BLUE CLIP:

Connects to Grounding Pad



## Swaroplate™ Split Pads (Reusable Cables Sold Separately)

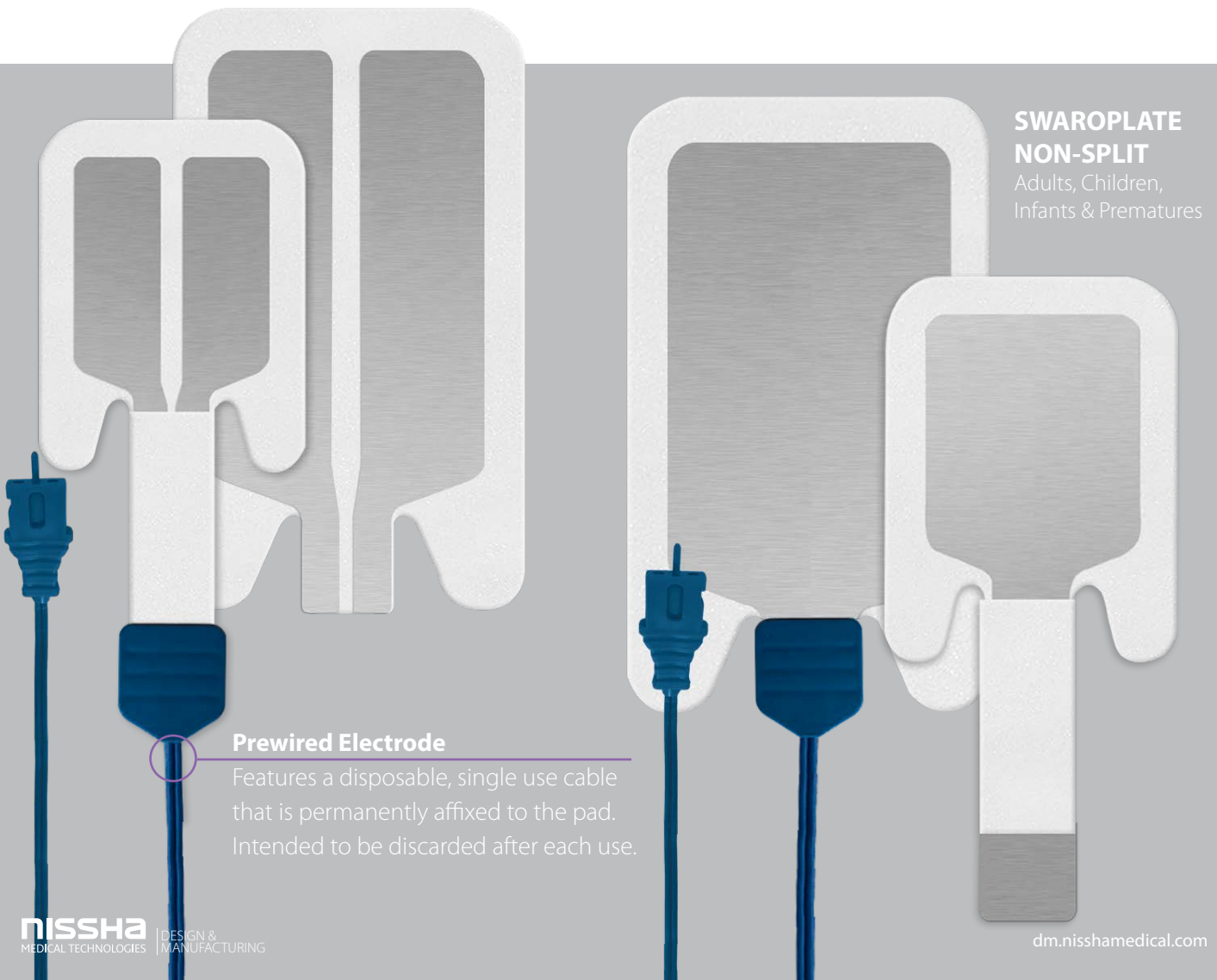
Cross Ref.	Use	Size (Length/Width)	Adhesive Surface	Conductive Surface	Impedance (@ 600kHz)	Temp. Rise (@ 60s)	Packaging
1211H	Adults	200 x 106mm	200 cm <sup>2</sup>	144 cm <sup>2</sup>	1 ohm	< 3°C/700mA	5/pouch   50/box   600/carton
1212H	Adults	206 x 122mm	220 cm <sup>2</sup>	160 cm <sup>2</sup>	1 ohm	< 3°C/700mA	5/pouch   50/box   600/carton
1213H	Adults	230 x 123mm	232 cm <sup>2</sup>	169 cm <sup>2</sup>	1 ohm	< 3°C/700mA	5/pouch   50/box   600/carton
1222H	Children	154 x 88mm	124 cm <sup>2</sup>	71 cm <sup>2</sup>	2 ohm	< 5°C/500mA	5/pouch   50/box   600/carton
1226H	Children	164 x 124mm	105 cm <sup>2</sup>	71 cm <sup>2</sup>	2 ohm	< 5°C/500mA	5/pouch   50/box   600/carton
1223H	Infants & Prematures	165 x 74mm	66 cm <sup>2</sup>	32 cm <sup>2</sup>	4 ohm	< 5°C/350mA	5/pouch   50/box   600/carton

## Swaroplate™ Split - Prewired (Disposable Connection Cables)

Cross Ref.	Use	Size (Length/Width)	Adhesive Surface	Conductive Surface	Base Pad	Connector	Packaging
1251H	Adults	200 x 106mm	200 cm <sup>2</sup>	144 cm <sup>2</sup>	1211H	Valleylab REM	1/pouch   8/box   96/carton
1255H	Adults	206 x 122mm	220 cm <sup>2</sup>	160 cm <sup>2</sup>	1212H	Valleylab REM	1/pouch   8/box   96/carton
1274H	Adults	200 x 106mm	200 cm <sup>2</sup>	144 cm <sup>2</sup>	1211H	Jack Connector	1/pouch   8/box   96/carton
1252H	Children	154 x 88mm	124 cm <sup>2</sup>	71 cm <sup>2</sup>	1222H	Valleylab REM	1/pouch   8/box   96/carton
1257H	Children	164 x 124mm	105 cm <sup>2</sup>	71 cm <sup>2</sup>	1226H	Valleylab REM	1/pouch   8/box   96/carton
1253H	Infants & Prematures	165 x 74mm	66 cm <sup>2</sup>	32 cm <sup>2</sup>	1223H	Valleylab REM	1/pouch   8/box   96/carton

### SWAROPLATE SPLIT

Adults, Children, Infants & Prematures



**SWAROPLATE  
NON-SPLIT**  
Adults, Children,  
Infants & Prematures

#### Prewired Electrode

Features a disposable, single use cable that is permanently affixed to the pad. Intended to be discarded after each use.

## Swaroplate™ Non-Split Pads (Reusable Cables Sold Separately)

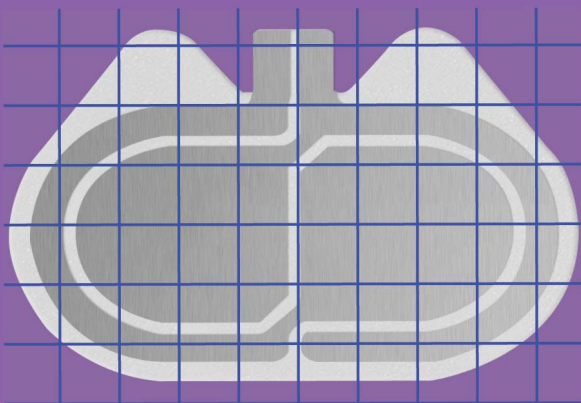
Cross Ref.	Use	Size (Length/Width)	Adhesive Surface	Conductive Surface	Impedance (@ 600kHz)	Temp. Rise (@ 60s)	Packaging
1201H	Adults	215 x 104mm	207 cm <sup>2</sup>	134 cm <sup>2</sup>	1 ohm	< 3°C/700mA	5/pouch   50/box   600/carton
1202H	Children	144 x 90mm	115 cm <sup>2</sup>	72 cm <sup>2</sup>	2 ohm	< 5°C/500mA	5/pouch   50/box   600/carton
1203H	Infants & Prematures	165 x 74mm	66 cm <sup>2</sup>	35 cm <sup>2</sup>	4 ohm	< 5°C/350mA	5/pouch   50/box   600/carton

## Swaroplate™ Non-Split - Prewired (Disposable Connection Cables)

Cross Ref.	Use	Size (Length/Width)	Adhesive Surface	Conductive Surface	Base Pad	Connector	Packaging
1261H	Adults	215 x 104mm	207 cm <sup>2</sup>	134 cm <sup>2</sup>	1201H	Valleylab NON-REM	1/pouch   8/box   96/carton
1271H	Adults	215 x 104mm	207 cm <sup>2</sup>	134 cm <sup>2</sup>	1201H	Jack Connector	1/pouch   8/box   96/carton
1262H	Children	114 x 90mm	115 cm <sup>2</sup>	72 cm <sup>2</sup>	1202H	Valleylab NON-REM	1/pouch   8/box   96/carton
1263H	Infants & Prematures	165 x 74mm	66 cm <sup>2</sup>	35 cm <sup>2</sup>	1203H	Valleylab NON-REM	1/pouch   8/box   96/carton

## PACKAGING

### Easy Application



#### NO ADDITIONAL GEL REQUIRED:

Simply remove protective sheet and apply to the skin. Additionally, the grid design on the protective sheet prevents slip and fall hazards in the operating room.



#### Grounding Pads

5 Electrodes / Pouch  
50 Electrodes / Box

#### Prewired Grounding Pads

1 Prewired Electrode / Pouch  
8 Prewired Electrodes / Box

## Ovalplate™ Split Pads (Reusable Cables Sold Separately)

Cross Ref.	Use	Size (Length/Width)	Adhesive Surface	Conductive Surface	Impedance (@ 600kHz)	Temp. Rise (@ 60s)	Packaging
1220H	Adults & Children	160 x 122mm	148 cm <sup>2</sup>	105 cm <sup>2</sup>	1 ohm	< 4°C/700mA	5/pouch   50/box   600/carton

## Ovalplate™ Split - Prewired (Disposable Connection Cables)

Cross Ref.	Use	Size (Length/Width)	Adhesive Surface	Conductive Surface	Base Pad	Connector	Packaging
1259H	Adults & Children	160 x 122mm	148 cm <sup>2</sup>	105 cm <sup>2</sup>	1220H	Valleylab REM	1/pouch   8/box   96/carton
1269H	Adults & Children	160 x 122mm	148 cm <sup>2</sup>	105 cm <sup>2</sup>	1220H	Jack Connector	1/pouch   8/box   96/carton

## Ovalplate™ Non-Split Pads (Reusable Cables Sold Separately)

Cross Ref.	Use	Size (Length/Width)	Adhesive Surface	Conductive Surface	Impedance (@ 600kHz)	Temp. Rise (@ 60s)	Packaging
1210H	Adults & Children	156 x 122mm	144 cm <sup>2</sup>	105 cm <sup>2</sup>	1 ohm	< 4°C/700mA	5/pouch   50/box   600/carton

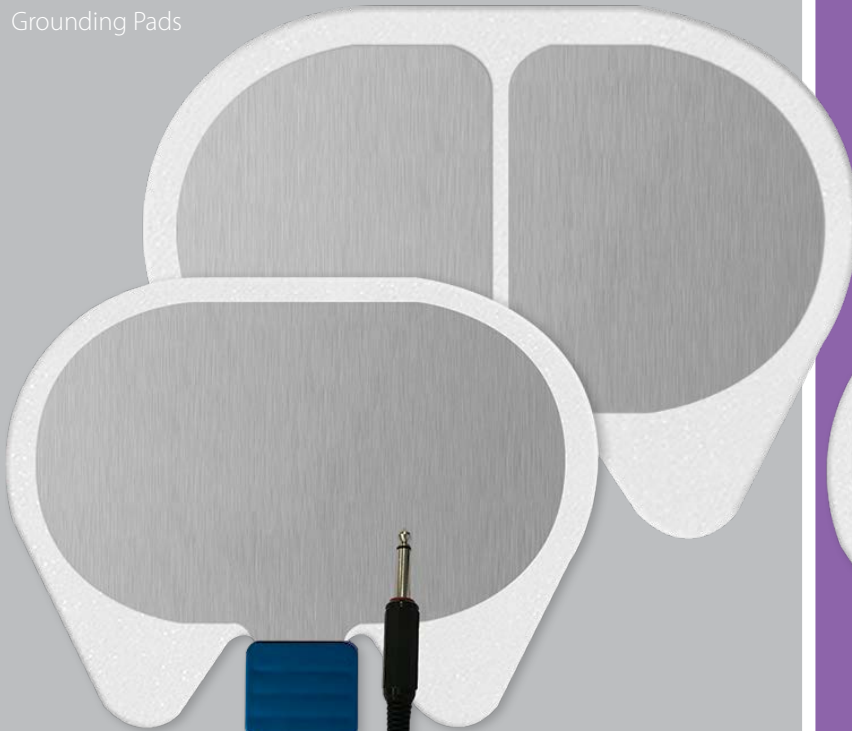
## Ovalplate™ Non-Split - Prewired (Disposable Connection Cables)

Cross Ref.	Use	Size (Length/Width)	Adhesive Surface	Conductive Surface	Base Pad	Connector	Packaging
1258H	Adults & Children	156 x 122mm	144 cm <sup>2</sup>	105 cm <sup>2</sup>	1210H	Valleylab NON-REM	1/pouch   8/box   96/carton
1268H	Adults & Children	156 x 122mm	144 cm <sup>2</sup>	105 cm <sup>2</sup>	1210H	Jack Connector	1/pouch   8/box   96/carton

OVALPLATE DIATHERMY PADS CAN BE APPLIED IN ANY DIRECTION DUE TO THE OVAL DESIGN

### OVALPLATE SPLIT

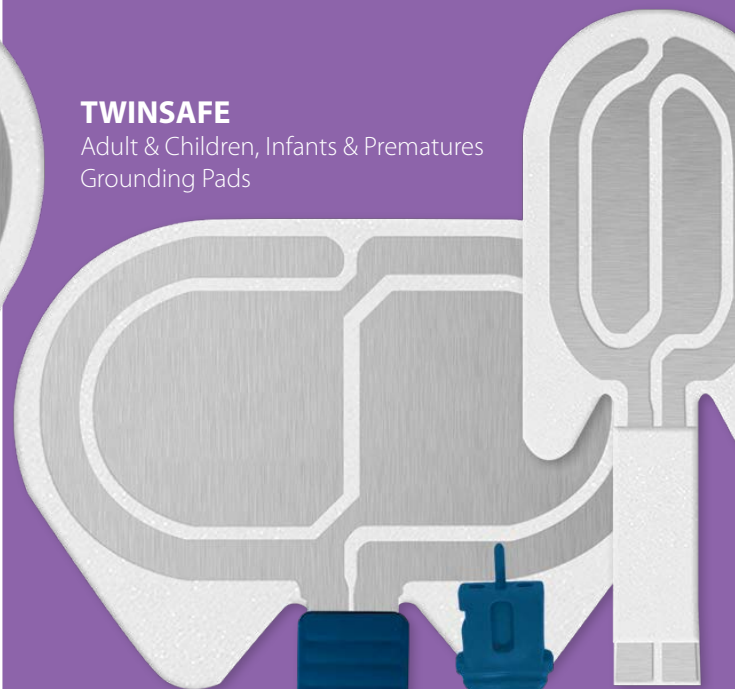
Adult & Children  
Grounding Pads



**OVALPLATE NON-SPLIT**  
Adult & Children  
Grounding Pads

### TWINSAFE

Adult & Children, Infants & Prematures  
Grounding Pads



## TwinSafe™ Pads (Reusable Cables Sold Separately)

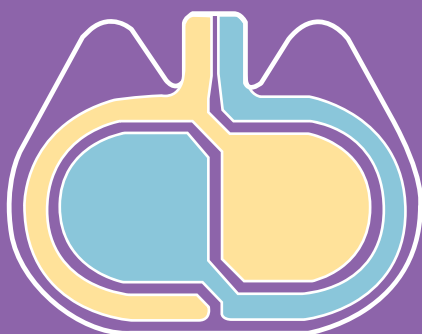
Cross Ref.	Use	Size (Length/Width)	Adhesive Surface	Conductive Surface	Max Power Setting	Temp. Rise (@ 60s)	Packaging
1280H	Adults & Children	176 x 122mm	169 cm <sup>2</sup>	110 cm <sup>2</sup>	n/a	< 5°C/350mA	5/pouch   50/box   600/carton
1283H	Infants & Prematures	181 x 76mm	77 cm <sup>2</sup>	37 cm <sup>2</sup>	150 W	< 4°C/350mA	5/pouch   50/box   600/carton

## TwinSafe™ - Prewired (Disposable Connection Cables)

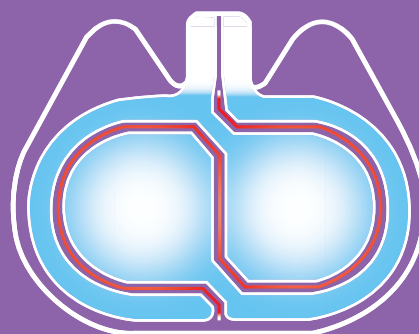
Cross Ref.	Use	Size (Length/Width)	Adhesive Surface	Conductive Surface	Max Power Setting	Connector	Packaging
1285H	Adults & Children	176 x 122mm	169 cm <sup>2</sup>	110 cm <sup>2</sup>	n/a	Valleylab REM	1/pouch   8/box   96/carton
1286H	Adults & Children	176 x 122mm	169 cm <sup>2</sup>	110 cm <sup>2</sup>	n/a	Jack Connector	1/pouch   8/box   96/carton
1288H	Infants & Prematures	181 x 76mm	77 cm <sup>2</sup>	37 cm <sup>2</sup>	150 W	Valleylab REM	1/pouch   8/box   96/carton

## TWINSAFE DIATHERMY PADS ARE A PATENTED DESIGN

The unique geometry of the interwoven conductive halves results in the utmost patient safety



UNIQUE INTERWOVEN GEOMETRY



ELONGATED SPLIT DESIGN

FEATURES	BENEFITS
Unique interwoven geometry	Any decreased skin contact causes a change in the impedance ratio between the two halves
Oval design	Can be applied in any direction
Hydrogel split	Results in a more symmetrical current distribution over the two halves
Elongated rounded design	No heavily concentrated areas of current (edge effect) thus reducing chance of patient burns

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MEDICAL TECHNOLOGIES | DESIGN &  
MANUFACTURING

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