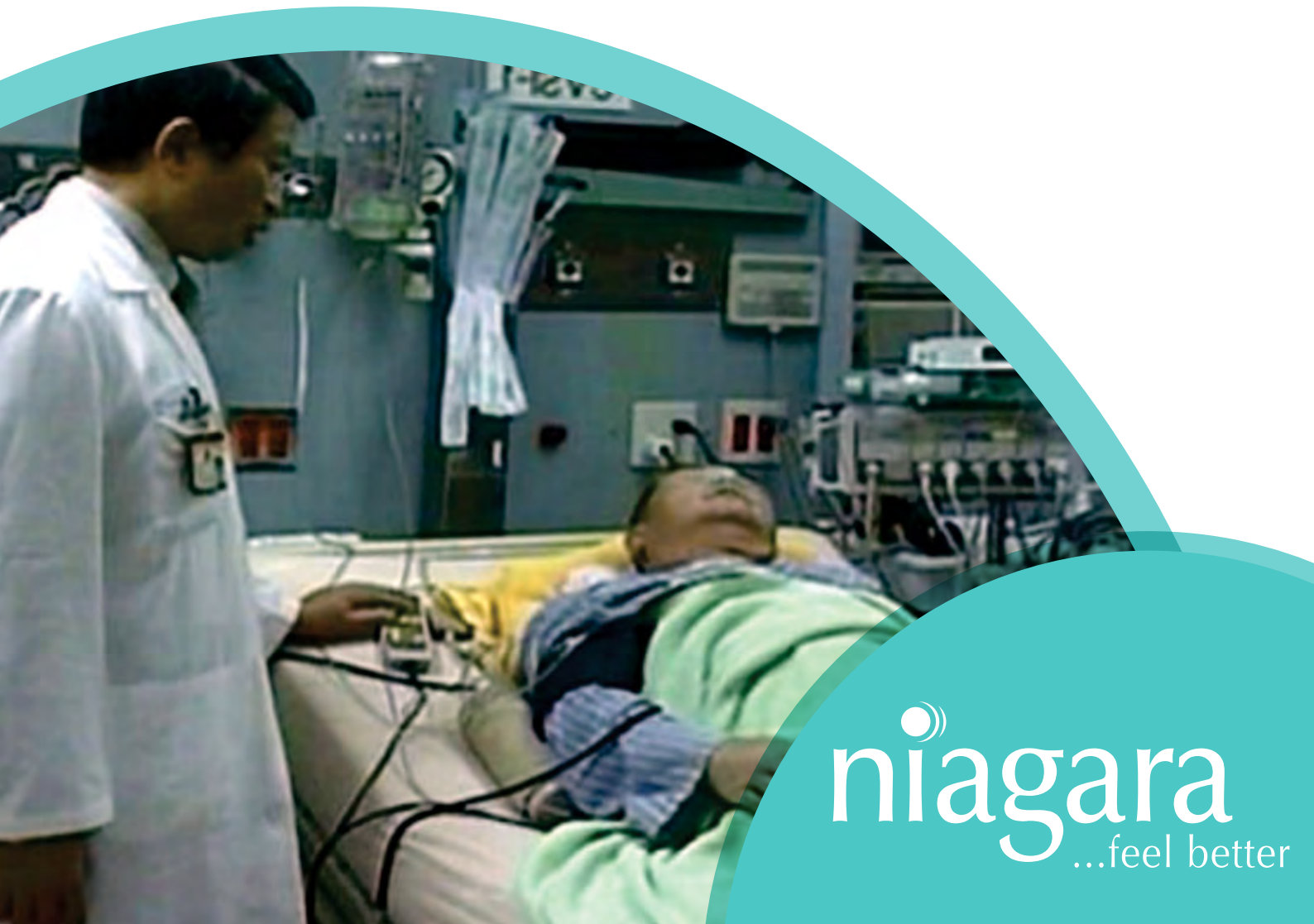


# Frequently Asked Questions

Hospital & Rehabilitation Use



niagara  
...feel better

# Niagara was first established in 1949



Established in the United Kingdom in 1961



Established in Australia in 1969



Established in New Zealand in 1985

## Niagara Therapy is available throughout Asia



China



Taiwan (25 Years)



Malaysia



Hong Kong



India



Singapore



Thailand



Indonesia



Philippines



Mr. Peter Crealey - Chairman

*Peter Crealey*

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**Niagara Thermo Cyclopad**



**Niagara CVT Hand Unit**

# Niagara Therapy

Niagara is an Australian manufacturer of medical devices, and has been in business since 1969. The company has been refining its core technology of Cycloid Vibration Therapy (CVT) devices through ongoing clinical research and technological advancement to its product ranges, for stronger patient outcomes and simpler operation.

The company manufactures all its medical devices in Brisbane, Australia to the highest medical device standards and supplies to distributors, hospitals, nursing facilities and home care throughout Australia and Asia.



Niagara Therapy products are used throughout hospital and rehabilitation wards for a variety of health conditions, post surgery and stroke patients.

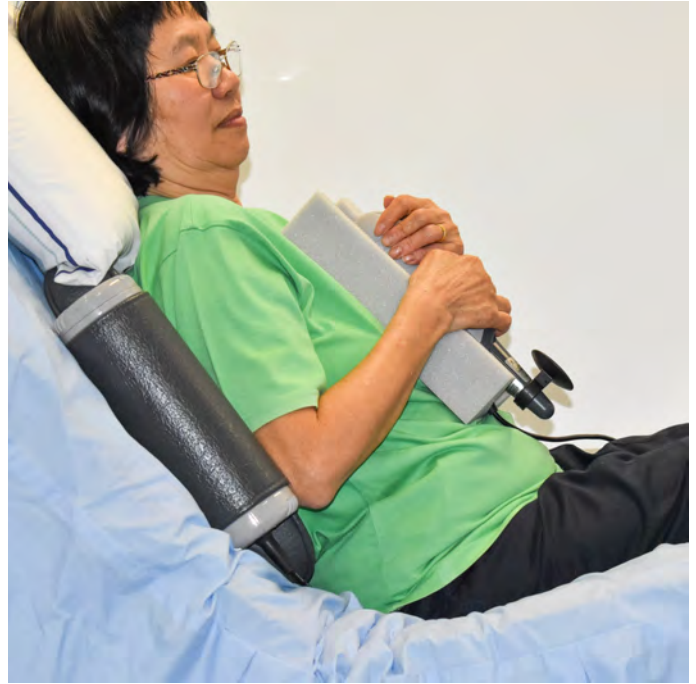
Cardiovascular surgeon at a press conference explaining the benefits of using Niagara for circulation and healing.





## Lungs / Fluid

Cyclopad & Hand Unit for sputum / mucus clearance

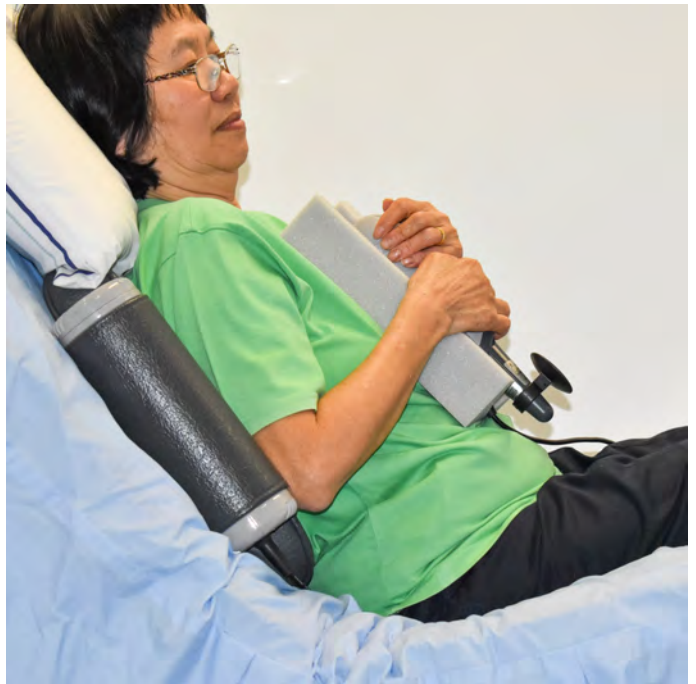


**20 - 30 minutes**  
**MEDIUM intensity**  
**CPM setting**  
**2 - 3 times per day**

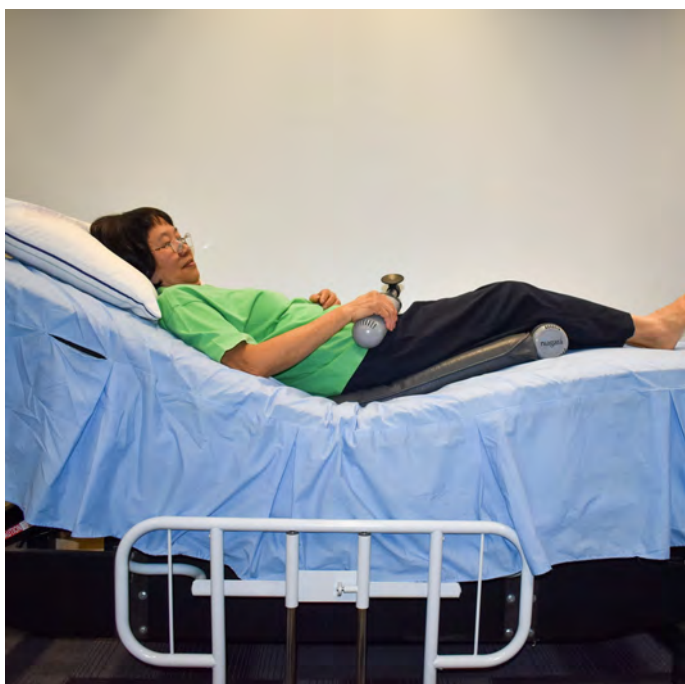
# Lymphodoema

Cyclopad & Hand Unit to open Lymph nodes

*Step 1:*



*Step 2:*



## Lymphodoema

Cyclopad & Hand Unit to open Lymph nodes  
(continued)

*Step 3:*



**10 - 20 minutes**  
**LOW - MEDIUM intensity**  
**STD setting**  
**1 - 2 times per day**

## Wound healing / pressure ulcers

Cyclopad & Hand Unit on lower limbs

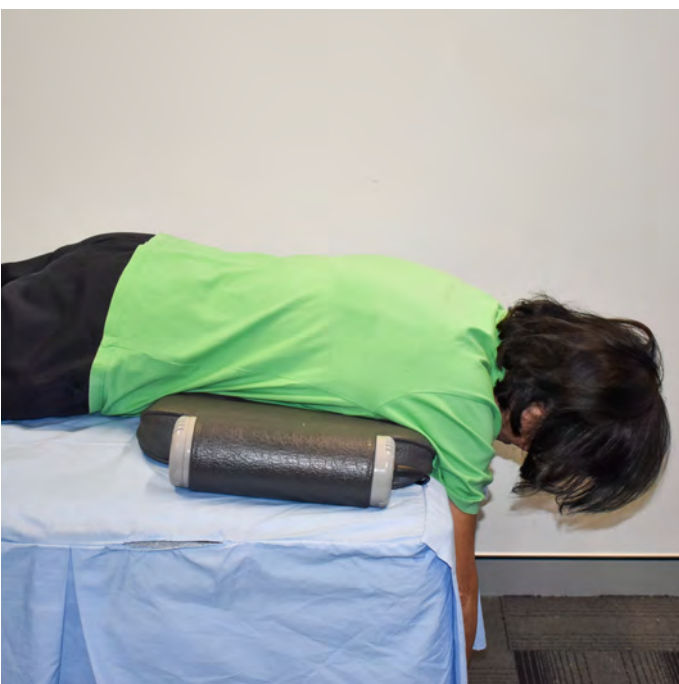


**10 minutes**  
**LOW intensity**  
**STD setting**  
**1 - 2 times per day**



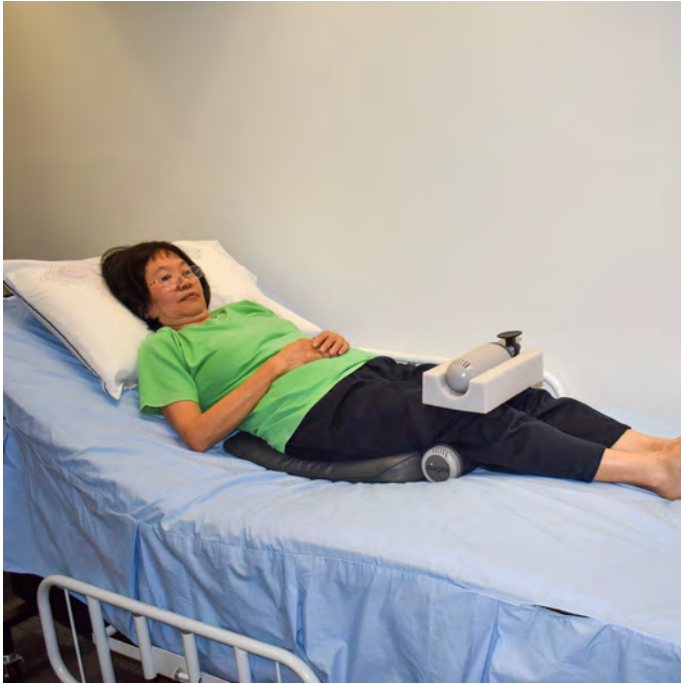
## Postural drainage

Cyclopad & Hand Unit for sputum / mucus clearance



**20 - 30 minutes**  
**MEDIUM intensity**  
**CPM setting**  
**2 - 3 times per day**

## General pain / post-op knee



**10 - 20 minutes**  
**LOW - MEDIUM intensity**  
**STD setting**  
**1 - 2 times per day**

## Rehabilitation / Stroke



**10 - 20 minutes**  
**LOW intensity**  
**STD setting**  
**1 - 2 times per day**

## Asian and Australian Hospitals & Aged Care facilities using Niagara products



### Taiwan Hospitals

Over 20 Hospitals including

Tapei Veterans Hospital (臺北榮民總醫院)

Taipei Medical University Hospital (臺北醫學大學附設醫院)

and Hsien Tien Head Hospital

(天主教耕莘醫療財團法人耕莘醫院-新店院區)



### Malaysia Hospital

Assunta Hospital, Selangor, Malaysia



### Taiwan Nursing & Aged-Care Homes

13 Nursing & Aged Care Homes using Niagara products



### China Hospitals

Jiangsu Province Hospital-- Rehabilitation Department

(江苏省人民医院-康复科)

Nanjing Gulou Hospital--Rehabilitation Department

(南京鼓楼医院-康复科)

Jiangsu Geriatric Hospital-- Rehabilitation Department

(江苏老年医院- 康复科)



### Hong Kong Nursing & Aged-Care Homes

9 Nursing & Aged Care Homes using Niagara products



### Australia

Sydney University Medical Department

Medical Students, Sydney, Australia

Royal North Shore Hospital

Spinal Unit and Oncology Department, Sydney, Australia

National Disability Insurance Scheme (NDIS)

Kogarah Hospital

Sydney, Australia

Australian Defence Force

Rehabilitation Department, Sydney, Australia

Australian Institute of Sport

Recovery Centre, Canberra, Australia



### Hong Kong Hospitals & Specialties Centre

Tseung Kwan O Hospital (將軍澳醫院)

United Christian Hospital (聯合醫院)

Hong Kong Baptist Hospital - Orthopaedic Department

(香港浸會醫院骨科門診)

Reliance Orthopaedic and Physiotherapy Centre

(盈德骨科及物理治療中心)

Blessing Physiotherapy Centre

Hong Kong Orthopaedic and Spine Centre

(香港骨科及脊椎中心)

Spine Care Hong Kong



## United Kingdom Hospitals, Health Centres and Injury Units using Niagara Products



England

### HOSPITALS AND OTHER HEALTH CENTRES

**NHS Bedfordshire**  
(leg ulcer service).

**NHS Birmingham**  
(diabetic podiatry team).

**NHS South of Tyne and Wear**  
(tissue viability service).

**NHS Lincolnshire**  
(wound care and district nursing).

**Doncaster Royal Infirmary**  
(vascular & wound care team).

**NHS Bradford**  
(tissue viability).

**NHS Essex**  
(complex wound care team & vascular).

**Pinderfields Hospital**  
(vascular nurse team).

**NHS North Yorks Community NHS trust.**

**Kings College Hospital London**  
(diabetic foot centre).

**NHS North Yorks & York**  
(diabetic podiatry and vascular team).

**NHS Hospitals Leeds (miscellaneous)**

**Rotherham NHS Community Trust.**

### NHS SPINAL INJURY UNITS



England

**The James Cook University Hospital**  
The North of England Spinal Injuries Centre.  
Middlesbrough, England

**Northern General Hospital**  
The Princess Royal Spinal Injuries Centre  
Sheffield, England

**Royal National Orthopaedic Hospital**  
Stanmore, England

**Pinderfields General Hospital**  
Spinal Injury Unit  
Wakefield, England

**Belfast MS Society**  
The Resource Centre,  
Belfast, Northern Ireland

**Salisbury District Hospital**  
Salisbury, England

**Southport & Formby District General Hospital**  
The West Regional Spinal Injuries Centre  
Southport, England

**The Robert Jones and Agnes Hunt Orthopaedic Hospital**  
The Midlands Centre for Spinal Injuries  
Oswestry, England

**Stoke Mandeville Hospital**  
Buckinghamshire, England

**Musgrave Park Hospital**  
Spinal Cord Injuries Unit  
Belfast, Northern Ireland



Scotland

**Southern General Hospital**  
Queen Elizabeth National Spinal Injuries Unit. Glasgow, Scotland



Wales

**Rookwood Hospital**  
Welsh Spinal Injuries and Neurological Rehabilitation Centre Cardiff, Wales



Republic Ireland

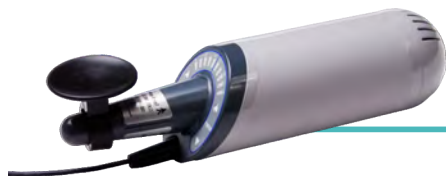
**National Medical Rehabilitation Centre**  
Dunlaoghaire, Dublin, Ireland



## NIAGARA THERMO CYCLO-PAD TECHNICAL SPECIFICATION

Company Overview	Niagara is an Australian manufacturer / retailer of therapy products operating since 1969. The company has helped millions of people worldwide with its medical devices, which are designed to improve circulation, lymphatic drainage, and joint mobility.	
Principle of Operation	The Niagara Thermo Cyclo-pad uses a technology called Cycloid Vibration Therapy (CVT). This is provided by an unbalanced, eccentric motor, with a unique suspension system, built into the base of the pad. The motor moves simultaneously forward and backward, side to side, and radially, providing a deep penetrating, three dimensional massage. Working at a low amplitude, the massage is also gentle, the product is specifically designed with its lower amplitude.	
TGA Certified Claims	The pad is cleared as a Class IIA medical device under the TGA in Australia with the following claims: "May reduce excess interstitial oedema fluid whether the cause is lymphatic or vascular; may assist in the reduction of musculoskeletal pain; may increase local area blood flow; may assist in the treatment of wounds, cellulitis and pressure ulcers where an improvement in local circulation is a factor and may assist in joint mobilisation."	
Hospital Applications:	General Ward: Cancer / Physiotherapy: Emergency Department: Orthopaedics:	Pressure Ulcers / Bed sores Healing Oedema / Lymphoedema (1) Pressure Ulcers / Wound Healing Or Joint Mobility / Post Operative / Muscular Skeletal Pain (2)
References:	(1) Neil Pillar – "Home Use of a Massage Pad for Chronic Secondary Leg Lymphoedemas – What the Patient Can Expect" (2) Lievens paper – "The Influence of Cycloidal Vibrations on the Knee Joint Mobility of Osteoarthritic Patients"	
Overall dimensions, net and gross weight	Thermo Cyclo-pad: Length (L) 600mm, Width (w) 365mm and Height (H) 900mm. Cushion: L 512mm, W 365 mm and H 65mm. Net weight: 3.16kg & 5% and gross weight 3.90kg & 7%.	
Massage motor speed	Thermo Cyclo-pad: Settings 1 – 11, vibration Hz 20 – 100.	
Electrical Rating, leakage current, device recognition	All products are Australian made medical devices and have been manufactured and passed all electrical safety and EMC emissions testing and complies with the Medical Device Standard IEC 60601-1 and IEC 60601-2.	
Electrical safety and EMC	IEC 60601-1 and IEC 60601-2 compliant.	
Regulatory detail and classification	Complies with the Therapeutic Goods (Medical Device) Regulations 2002 – Class Ila. Australian Register of Therapeutic Goods (ARTG) 151787 and 151788. Approved provider to National Disability Insurance Scheme. TFDA (Taiwan), FDA (USA).	
Manufacturer	CT Healthcare trading as Niagara Therapy, 29 Resource Street, Parkinson, QLD Australia 4115	





## NIAGARA HAND UNIT TECHNICAL SPECIFICATION

Company Overview	Niagara is an Australian manufacturer / retailer of therapy products operating since 1969. The company has helped millions of people worldwide with its medical devices, which are designed to improve circulation, lymphatic drainage, and joint mobility.	
Principle of Operation	The Niagara Hand Unit uses a technology called Cycloid Vibration Therapy (CVT). This is provided by an unbalanced, eccentric motor, with a unique suspension system, built into the unit. The motor moves simultaneously forward and backward, side to side, and radially, providing a deep penetrating, three dimensional massage. Working at a low amplitude, the massage is also gentle, the product is specifically designed with its lower amplitude.	
TGA Certified Claims	The Hand Unit is cleared as a Class IIA medical device under the TGA in Australia with the following claims: "May reduce excess interstitial oedema fluid whether the cause is lymphatic or vascular; may assist in the reduction of musculoskeletal pain; may increase local area blood flow; may assist in the treatment of wounds, cellulitis and pressure ulcers where an improvement in local circulation is a factor and may assist in joint mobilisation."	
Hospital Applications:	General Ward: Cancer / Physiotherapy: Emergency Department: Orthopaedics:	Pressure Ulcers / Bed sores Healing Oedema / Lymphoedema (1) Pressure Ulcers / Wound Healing Or Joint Mobility / Post Operative / Muscular Skeletal Pain (2)
References:	(1) Neil Pillar – "Home Use of a Massage Pad for Chronic Secondary Leg Lymphoedemas – What the Patient Can Expect" (references Niagara Cyclopad, however Hand Unit provides same Cvt massage) (2) Lievens paper – "The Influence of Cycloidal Vibrations on the Knee Joint Mobility of Osteoarthritic Patients"	
Overall dimensions, net and gross weight	Hand Unit: Length (L) 270mm and Diameter (D) 70mm. Net weight: 1.285 ± 5% and Gross weight 1.6kg ± 7%.	
Massage motor speed	Hand Unit: Settings 1 – 5, vibration Hz 20 – 100.	
Electrical Rating, leakage current, device recognition	All products are Australian made medical devices and have been manufactured and passed all electrical safety and EMC emissions testing and complies with the Medical Device Standard IEC 60601-1 and IEC 60601-2.	
Electrical safety and EMC	IEC 60601-1 and IEC 60601-2 compliant.	
Regulatory detail and classification	Complies with the Therapeutic Goods (Medical Device) Regulations 2002 – Class Ila. Australian Register of Therapeutic Goods (ARTG) 151787 and 151788. Approved provider to National Disability Insurance Scheme. TFDA (Taiwan), FDA (USA).	
Manufacturer	CT Healthcare trading as Niagara Therapy, 29 Resource Street, Parkinson, QLD Australia 4115	







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[www.niagara.com.au](http://www.niagara.com.au)