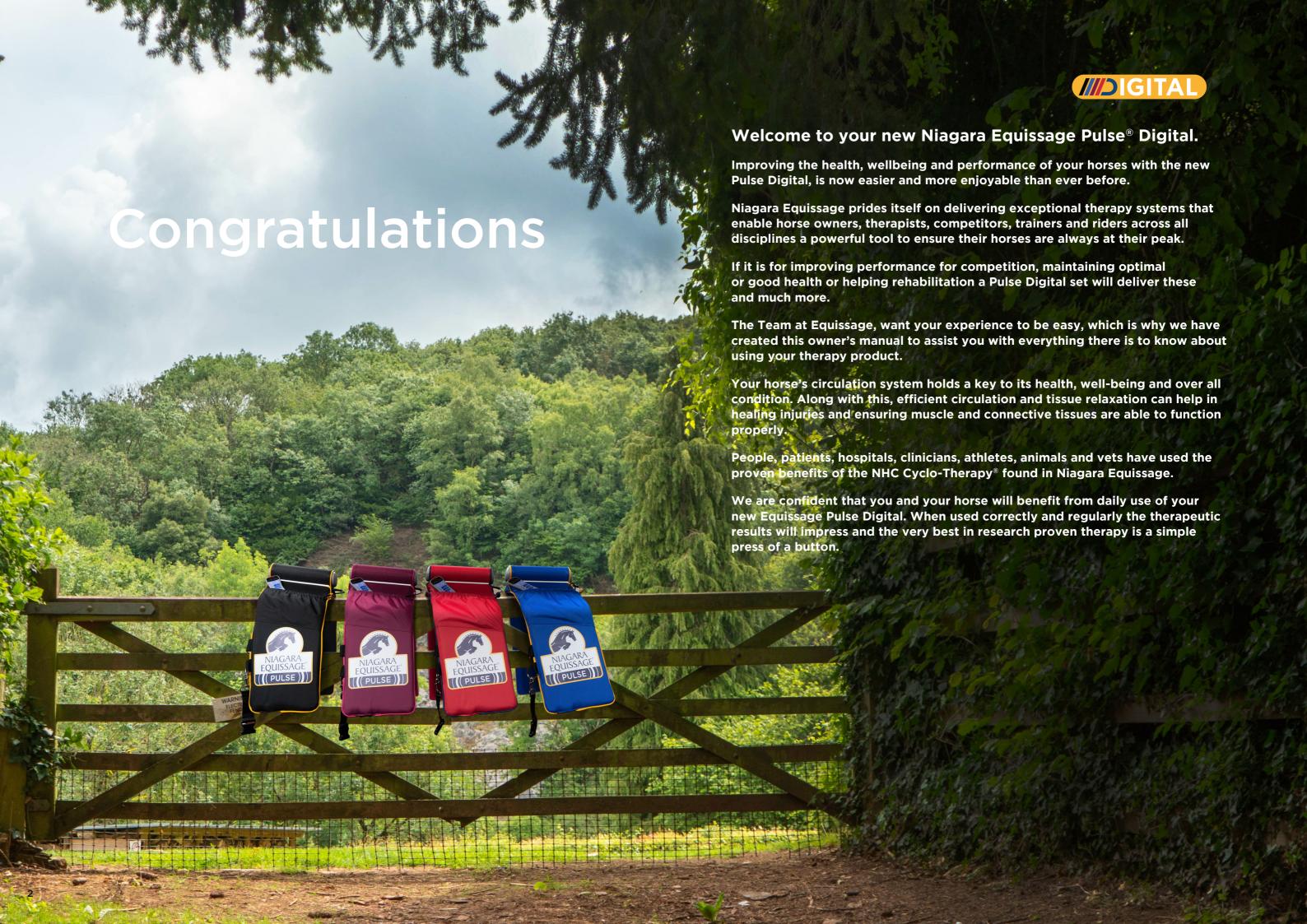


FROM HUMANS TO HORSES: A RESEARCH JOURNEY

NHC Cyclo-Therapy® Guide and Instructions for Use www.niagaraequissage.com



Why Equissage Pulse Digital

- ✓ Niagara Equissage Pulse® Digital belongs to a UK-owned company (established in 1965) that has dedicated decades into developing the very best quality NHC Cyclo-Therapy® devices possible.
- ✓ Niagara Equissage Pulse® Digital is an evolution in the ongoing development of NHC Cyclo-Therapy® delivery systems incorporating advances in technology and design.
- ✓ All Niagara Equissage devices are made in the UK within a purpose-built facility producing Class IIa regulated Medical Devices for human therapy applications.
- ✓ People and animals use our NHC Cyclo-Therapy® products every day throughout Europe, America, Asia, New Zealand & Australia.
- ✓ Top horse trainers, riders, competitors and therapists use Niagara Equissage across every discipline.
- Clinical Studies have shown that Cycloidal-Vibration NHC Cyclo-Therapy® products improve blood flow, relieves muscle/joint pain, assists with healing and improves joint mobility.



Niagara Equissage Pulse sponsors of UK Para-Dressage



Improves blood



Stimulates soft



Improves join mobility



Removes harmfu toxins



Muscle relaxatioi



Increase stride

Designed, Developed, Researched and Manufactured in the UK.

Niagara Equissage Pulse® Digital products have been designed, developed and manufactured at our dedicated production site in Denbighshire, North Wales.

Our site production is regulated to medical device production standards ISO 9001 & ISO 13485 & CE 642142.

MADE IN BRITAIN







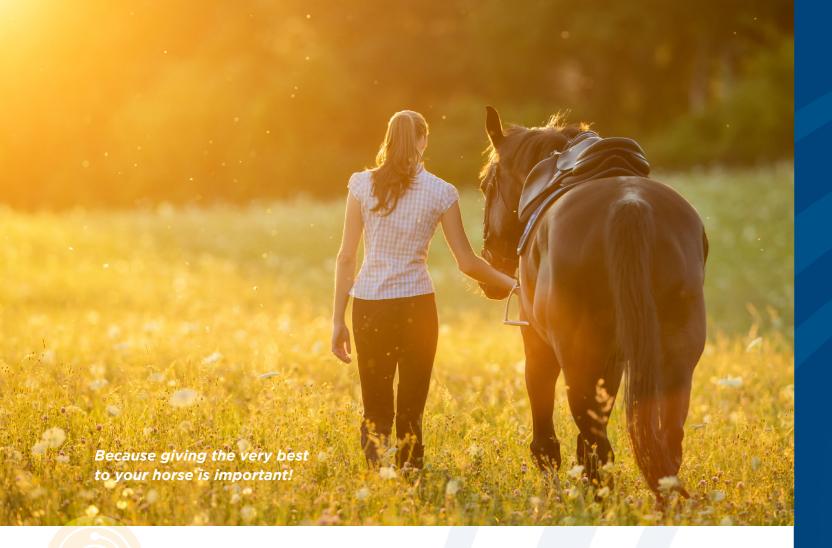




SHOWJUMPING

"For a rider that is serious about their horse and wants world class therapy, use Niagara Equissage Pulse® Digital." **George Whitaker**





What is NHC Cyclo-Therapy®?

NHC Cyclo-Therapy® otherwise known as Cycloidal Vibration Therapy (CVT) is a unique three dimensional vibration generated by a sinusoidal electromechanical oscillator.

CVT is incorporated into various unique products manufactured in the UK by our company. These may be easily used at home by an individual or by a medical or physical therapy professional in the home or clinic setting.



This illustration shows the three dimensional circular movement created by cycloidal vibration.



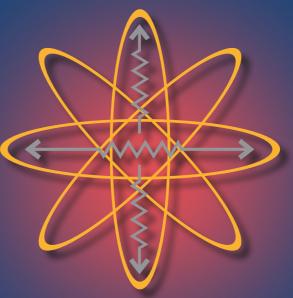
This illustration shows the three dimensional circular wave transverse movement. (A transverse wave is a moving wave that consists of oscillations occurring perpendicular, or at right angles to the direction of energy transfer.)

IMPORTANT TO NOTE: to make medical claims for human application a product has to be audited and meet specific European medical device quality standards. This assessment ensures quality, safety and proof of effectiveness. All human CVT products are registered as medical devices as such they are CE marked and are audited to standards regulated by the UK medicines and healthcare regulatory authority.

NHC Cyclo-Therapy®: Why is Cycloidal Vibration Therapy (CVT) Different?

Conventional vibration can produce an aggressive slapping or pounding at a high amplitude in a single direction of motion and at a high frequency. CVT acceleration rate is very low compared to other vibration techniques which can be up to 50 times higher. This often produces an uncomfortable sensation that may be damaging to muscle and soft tissue.

A CVT unit has a very special suspension system, which is the reason it generates a three-dimensional motion like a cyclone "cycloidal vibration" in a circular rising and falling motion. This causes the energy to penetrate both gently and deeply into the body.



At the University of Brussels Medical Department, research by Professor P. Lievens demonstrated that CVT energy effectively penetrates the human body and that:

- CVT acceleration rate is very low approximately twenty eight meters per second squared.
- Other techniques of vibration can produce around one thousand two hundred and ninety meters per second squared. That is about 50 x greater than a CVT generator
- This is what sets CVT apart It is a Non-Aggressive technique



NHC Cyclo-Therapy[®]: The Cycloidal-Vibration Therapy (CVT) Difference

The Niagara Equissage Pulse® Digital System is one of the safest forms of equine therapy available. Through ongoing research conducted in hospitals, universities, and research institutions, this form of treatment has been shown to be highly effective while being non-aggressive, drug-free and free of side effects.

Niagara Equissage products have been developed in the UK and Australia from the Niagara Therapy product range, which have been used on humans for both injuries and mobility healthcare. This equipment is used at home, in hospitals, clinics and sport clubs.

Our NHC Cyclo-Therapy® products have proven medical benefits which include Increased Circulation and Lymphatic Drainage, Relaxation of Muscles and Increased Joint Mobility; all of these result in:

- Improved movement and performance;
- Faster recovery & rehabilitation;
- Achieve peak condition for both you and your horse.

As a result our human therapy products are classified and registered as medical devices and are regulated to ensure performance, efficacy and safety to European standards.



As well as being registered with BSI, meeting EU directives and holding the CE mark for Class IIa medical device classification, we also adhere to strict ISO Standards.

The Niagara Equissage Pulse® Digital system includes a digitally controlled Back Pad now with over 60 therapy settings that delivers a deep-tissue CVT Massage to the entire horse.

Due to the unique action of CVT, the Back Pad actively Improves Circulation, Relaxes Muscles while providing Passive stimulation to soft tissues. The Niagara Equissage Pulse® Digital Hand Unit compliments the Back Pad and provides the complete therapeutic experience for your horse.

////DIGITAL

The Niagara Equissage Pulse® Digital system includes a digitally controlled Back Pad now with over 60 therapy settings that delivers a deep-tissue CVT Massage to the entire horse.



Who uses NHC Cyclo-Therapy[®]: Cycloidal-Vibration Therapy (CVT)?

A small selection of organisations and users over the years in both Human and Equine applications:

- Olympic & Paralympic Athletes
- UK Athletics Team
- Willie Mullins Racing
- James Fanshawe Racing
- Michael Jung World and Olympic gold medal winner, Equestrian
- Top Level Racing Trainers & Equine Competitors
- Team Tom McCutcheon, World Games Gold Medallist, Reining
- Marcus Ehning, Olympic Gold Medallist, Equestrian
- Michael and Maria Eilberg, Dressage
- George Whitaker, Show Jumping
- Mclain Ward (USA), Show Jumping
- Tom McCutcheon (USA), World Reining Champion
- NHS Spinal Injury Centres in the UK
- NHS specialist wound clinics
- Private and NHS Occupational Health Centres
- Private and NHS Physiotherapy Centres
- Australian Institute of Sport (AIS)
- Australian Cricket Team

RACING

"We have used Niagara Equissage for a number of years we feel it really helps horses recover both after injury and after a race" - Willie Mullins has been Champion National Hunt trainer for thirteen years. He has won just about every major prize in Ireland, UK and France including The Grand National, The King George, The Champion hurdle in England, Ireland and France, the Cheltenham Gold Cup and numerous Cheltenham Festival winners.





"Niagara Equissage Pulse keeps my horses supple, relaxed and performing at their best." Katie Jerram - Leading Show Producer

NHC Cyclo-Therapy®: FROM HUMANS TO HORSES A RESEARCH JOURNEY

Cycloidal Vibration Therapy (CVT) has been researched and tested in many human medical studies on both healthy participants and those with both acute and chronic healthcare conditions. Although not directly similar, physiological and cellular responses in the human body are also reflected in the animal body.









These include principles upon how:

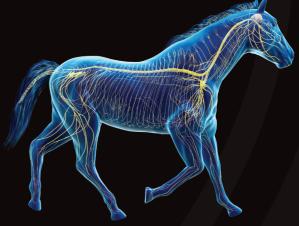
- Muscle relaxation how a process called tonic vibration reflex can regulate and change muscle tone and tension to enable relaxation.
- Fascia release (connective tissues) how a process of CVT combined with motion can aid the release and movement of fascia post injury or healing to enable fascia flexibility and joint motion.
- Circulation how a process called nitric oxide synthase regulates changes in blood flow and circulation. Changes in circulation that can improve health, aid tissue repair and healing.
- Circulation regulates changes in lymphatic flow that can affect fluid and toxin removal in swelling and healing.
- Pain Relief how a process called the Pain Gate Theory, whereby as a sensory stimulant it stimulates parts of the nervous system that regulates the feeling of pain and generates pain relief.
- Post and pre-exercise muscle soreness and pain prevention how the combination of stimulation of both the muscle tonic vibration reflex, the pain gate, and increase in circulation to reduce toxins can help with delayed onset of muscle soreness DOMS.

NHC Cyclo-Therapy®: Relaxing Muscles for Patients Receiving NHS Care in the UK

We use the NHC Cycloidal Vibration Therapy (CVT) hand unit with stroke patients that suffer with increased tone and muscle spasticity (muscle stiffness). We have tried other sensory vibration products before with little effect. The CVT hand unit really helps to free up the muscles in these patients to improve joint proprioception and improved flexion and extension after only 5 minutes use. The treatment has given enormous physical, functional and mental gains to stroke patients. Physiotherapist, Kelly Aelberry, Hospital Stroke Team



NHC Cyclo-Therapy®: Reducing Pain



When applied, directly to or surrounding an area of pain, NHC Cycloidal Vibration Therapy (CVT) is a non pharmacological aid to both generate pain relief or increase pain threshold.

The CVT generates an anaesthetic effect to reduce pain. HOW? It is a sensory stimulant it stimulates parts of the nervous system that regulates the feeling of pain.

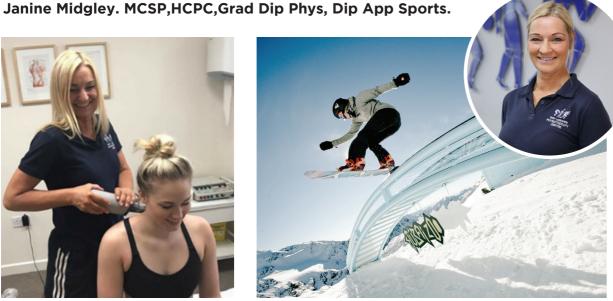
Stimulating through the skin and into the body the fast-conducting large diameter myelinated A belta fibres nervous system.

This in turn blocks the slower conducting nervous system that carry the pain signals. As a result this then stimulates (inhibitory interneurons) these control pain transmission resulting in pain relief or an analgesic effect and potentially raised pain threshold.

Also many conventional pain relief stimulators deliver most of their relief directly under a small area with such as contact electrode directly on the skin with a tens machine. With CVT this is delivered across a much larger area, the whole surface of the therapy contact.

Used by Professionals on human patients and athletes

"At the West Yorkshire Physiotherapy Centre we work with a wide variety of musclo-skeletal conditions, from post-operative orthopaedic problems to professional athletes sporting injuries. We are actively using CVT in the treatment of connective tissues within our range of professional massage techniques. This promotes increased blood flow, reduction in swelling, decreased pain perception and as a result increased joint mobility and function."



Commenting on the use of CVT, Katie Ormerod: World cup winner Olympic snowboarder said: "As a freestyle snowboarder I have to have the flexibility and control of a gymnast to undertake aerial tricks. A fall on the snow can cause lots of soft tissue injury. CVT is really helping me to recover quicker after a hard session of training or injury. I am using the therapy pre-and post-training sessions and competition"

EVENTING

"I use Equissage to travel with it really helps to keep the horses muscles nice and loose before and after competition" World Champion and Olympic Gold Medalist - Michael Jung







"NHC Cyclo-Therapy® (CVT) has made such a difference to my life":

Dr Ahmed practising GP.

Dr Ahmed told us "I was a practising GP and I was diagnosed with large multiple gastric tumours. Extensive surgery to remove them and chemotherapy left me with severe tissue damage and painful stomach scarring, I ended up walking with a stoop due to my scar and chronic back pain. Chemotherapy gave me joint and neuropathic pain in my fingers and hands. I was on morphine, anti-inflammatories and daily tramadol to manage pain and I could not work properly for 5 years. I was introduced to CVT by my physiotherapist to use on my scarring and back to see if it could release the tethered tissues. As a GP was a little sceptical not knowing about CVT but I was



desperate to try anything. After the first 5 x 30-minute therapy sessions there was a huge improvement. There was a release and relaxation in my stomach muscles allowing me to walk straighter, reducing my back pain. With continued use of CVT I was nearly pain free and stopped all of my pain medication enabling me to work full time. I cannot recommend it enough the difference it has made to me."

NHC Cyclo-Therapy® (CVT) Used by Professionals.

CVT products are used at specialist spinal injury centres across the country. Occupational and physiotherapy use CVT to relax tight muscles, soften tissues reducing swelling and pain management.

"We use it daily for reducing high tone to get muscle relaxation" Emma Lindley - Clinical Lead Occupational Therapist, London Spinal Cord Injury Centre.







Human Research

"Vibration therapy reduces chronic pain" Research Published in the 'European Journal of Pain'.

Vibration can help to ease certain types of pain by more than 40 percent. Scientists at the University of Florida College of Medicine found that vibration produces an "analgesic effect", according to Dr Roland Staud, a professor of rheumatology and clinical immunology at the institute. Reference - Roland Staud et al. "Attenuation of experimental pain by vibro-tactile stimulation in patients with chronic local or widespread musculoskeletal pain." European Journal of Pain. February 2011.

Helping Pain and Joint movement

Scientist research shows that: "Muscle vibration helps knee movement in people with osteoarthritis" Research published European Journal of Physical and Rehbilitation Medicine.

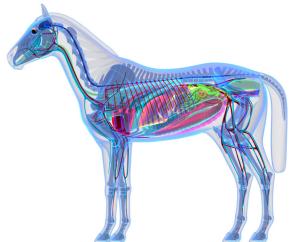
Rabini A et al. Effects of focal muscle vibration on physical functioning in patients with knee osteoarthritis: a randomized controlled trial. Eur J Phys Rehabil Med. 2015 Oct;51(5):513-20. Epub 2015 May 20

"Vibration therapy for 20 minutes produced relief of chronic muscle pain that lasted at least 3 hours but in many cases 12 hours or more." Reference -Lundeberg T, Vibratory stimulation for the alleviation of chronic pain. Acta Physiol Scand Suppl. 1983; 523:1-51.

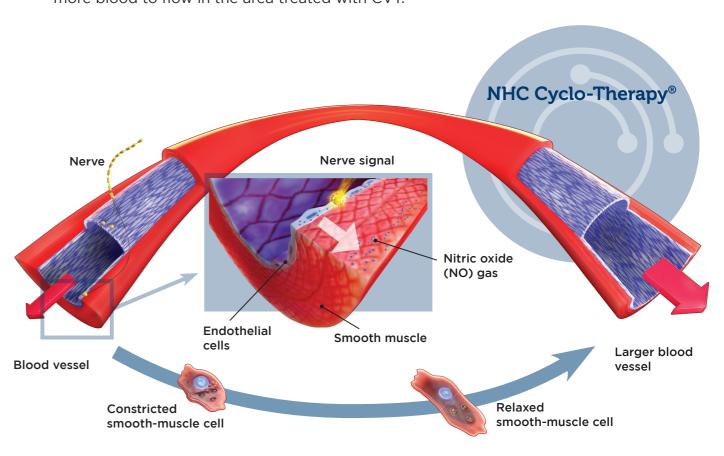
Reference: Melzack R, Wall PD, Pain mechanism a new theory. Published in medical journal. Science 1965; 150:971- 978. Kandel ER, Schwartz JH, Jessell TM. Published in medical journal Principles of Neural Science, 4th ed., pp.178-180. McGraw-Hill, New York (2000).

NHC Cyclo-Therapy®: Improving blood flow circulation

The non-invasive application of NHC Cycloidal Vibration Therapy (CVT) results in a process called mecanotransduction the process of cells converting mechanical energy into chemical activity. The therapy penetrates into the vascular cells that line the blood vessels resulting in the stimulation of a number of chemical reactions. This includes the release of the chemical nitric oxide, this chemical is a natural relaxant of smooth muscle. Nitric Oxide relaxes



the smooth muscle walls of the blood vessels, this can increase the diameter and size of the blood vessels (veins and arteries), resulting in dilation and allowing more blood to flow in the area treated with CVT.

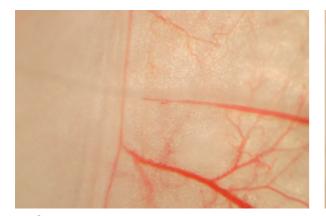


Reference: Clinical Reference. Sackner MA, Gummels E, Adams JA. Mount Sinai Medical Center, Miami Beach, USA. Nitric Oxide is released into circulation with wholebody, periodic acceleration 127: 30-39 (2005). Published in Chest. Official medical Journal of the American college of Chest Physicians.

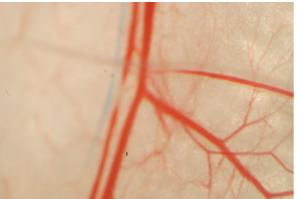
How does NHC Cyclo-Therapy® Increase circulation?

Increase in blood vessel flow and diameter observed in skin and soft tissue after 10 minutes in the following study.

Influence of NHC cycloidal vibration on skin blood flow changes observed in an invivo microcirculatory model. Reference Professor Pierre Lievens. Head of the department of Medical Rehabilitation Research. Faculty of Medicine, Vrije Universiteit Brussels. Presented at Wounds UK medical conference. Autumn 2011.







After 10 minutes of cycloidal vibration

Note the enlarged veins due to the increase in blood vessel flow.

Reference - Professor Pierre Lievens. Head of the department of Medical Rehabilitation Research.

Faculty of Medicine, Vrije Universiteit Brussels. Presented at Wounds UK medical conference. Autumn 2011.

Improving skin and soft tissue circulation with NHC Cyclo-Therapy[®] has shown to help heal difficult wounds.



Start wound 7 months diabetic



Week 4 of CVT



Week 6 of CVT

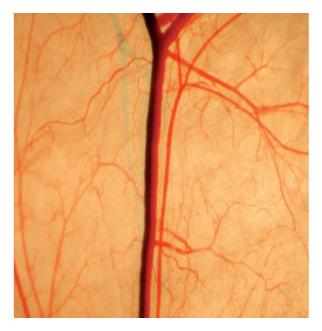
7 month old Diabetic foot ulcer receiving standard wound care treatments combined with a new post-surgical wound. Patient with a long history of vascular disease resulting in ulcers and ischemia. A number of toe amputation procedures due to arterial disease. NHC Cyclo-Therapy® applied to increase blood flow 3 x a day for 30 minutes a 7 month old ulcer healed in 6 weeks.

Reference - Johnson S, et al. Wound Care Team, Doncaster Royal Infirmary. Cycloidal Vibration Therapy (CVT) treatment of post-surgical diabetic lower limb wound. Presented at Wounds UK 2012 conference

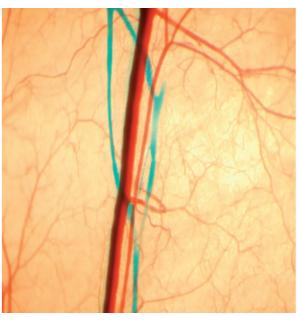
Lymphatic system circulation.

90% of fluid in the body is circulated by blood vessels and 10% by the lymphatic system as the body's overflow system. Lymphatics are vital in removing excess fluid and oedema, as they remove not only fluid, but also the larger particulate matter such as proteins, microphages and metabolic waste material, which cannot be removed via the blood capillary system.

Cycloidal Vibration Therapy (CVT) stimulates lymphatic flow as can be shown in the before and after pictures.



Before



The Lymphatic vessel is highlighted with blue dye before and after 10 minutes cycloidal vibration. Clearly visible in the after photograph is the increased lymphatic flow.

Reference - Influence of cycloidal vibration on lymphatic flow and changes observed in lymphatic vessels. Professor Pierre Lievens, Vrije Universiteit Brussels. Head of the department of Medical Rehabilitation Research. Vrije University Brussels, presented at Wounds UK 2008 medical conference, 2008.

After

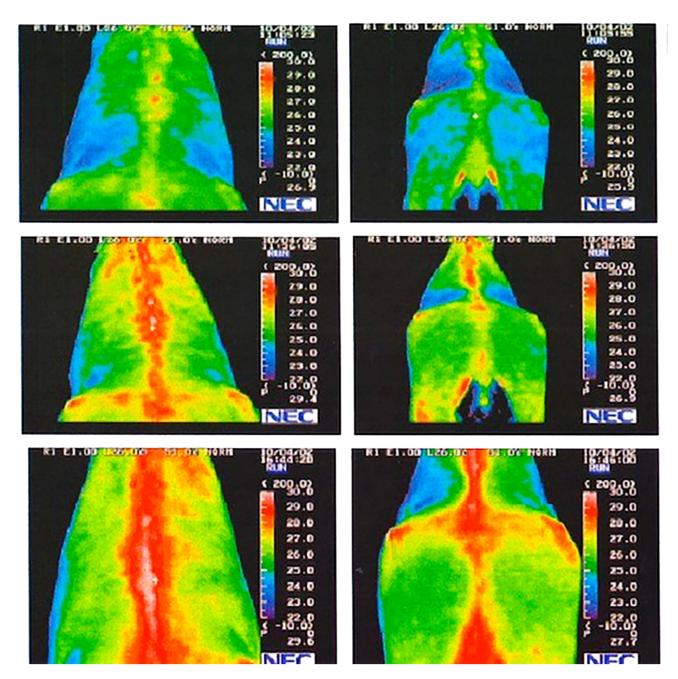
SHOWING



"My horses could not live without Equissage Pulse; they feel so much more relaxed and happy within themselves."

KATIE JERRAM

Increase in blood flow due to the non-invasive application of NHC Cyclo-Therapy® has been shown in numerous ways including measurement by Laser Doppler imaging and plethysmography.



First Photo Row: Horse Before Niagara Equissage Treatment. Blue/Green indicates areas of poor circulation.

Second Photo Row: 5 Minutes After Niagara Equissage Treatment. Yellow/Red indicates improved circulation.

Third Photo Row: 5 Hours After Niagara Equissage Treatment Ended. Shows continued improved circulation.



Tonic Vibration Reflex

Cycloidal Vibration Therapy (CVT) as applied by Niagara Equissage Pulse® affects the muscles by way of stimulating mechano-receptors in the muscles causing a very gentle contraction, the intensity of a contraction is determined by the intensity of the stimulation. A muscle spasm is a result of too much stimulation causing muscle contraction. Because the intensity of an electrical or tactile stimulation determines the intensity of the reaction or contraction of a muscle. Research has found that vibration with high acceleration rate will cause too much stimulation and can stress, traumatise or fatigue a muscle. This is akin to straining or stressing a muscle, which will then produce additional metabolic waste in an area. This can cause soreness and swelling with too much load on the lymphatic system.

With CVT's small amplitude and low acceleration very high muscle motor response is obtained. However, it has been found that vibration with a large amplitude, as found in other products, will not obtain a muscle motor response; i.e. the muscle will not react. In other words, to be beneficial, the vibratory amplitude must remain within normal physiological (reactive) range. It has been found that because of the very high motor response (without stress) which occurs with CVT, muscles begin to react and perform in a very positive manner. This is due to the use of CVT having an effect on the muscle's electrical sensitivity; i.e. after using CVT on a muscle, the muscle will react with less electrical input required. In scientific studies, the conclusion reached was that on human subjects, the rheobase (the lowest possible electrical impulse necessary to cause a muscle reaction) was reduced by 20% after just fifteen minutes of cycloidal vibration application. The benefits of this are of great importance for sports medicine and muscle toning, allowing greater mobility, especially with continued usage.

Ref: Guang H et al Focal Vibration Stretches Muscle Fibers by Producing Muscle Waves.. IEEE Trans Neural Syst Rehabil Eng. 2018 Apr;26(4):839-846.

NHC Cyclo-Therapy®: Reducing post exercise pain - Delayed Onset Muscle Soreness (DOMS)



Delayed-onset muscle soreness (DOMS) is a symptom of exercise-induced muscle straining or injury that is commonly encountered in athletes and fitness enthusiasts or if muscles are generally over worked.

DOMS can be felt by the horse 24 - 48 hours following hard exercise. DOMS is considered to be related to the microscopic tearing of muscle fibres.

The subsequent healing of the ruptures creates the soreness due to the temporary changes caused in muscles unaccustomed exercise. Other such changes include decreased muscle strength, reduced range of motion, and muscle swelling during soreness and healing.

In humans 10 research studies on over 258 people found that applying vibration therapy similar to CVT in Equissage to the area of the body either before or after exercise can reduce muscle pain for up to 72 hours.

Reference: Xingang Lu et al. Does vibration benefit delayed-onset muscle soreness?: a meta-analysis and systematic review. Journal of International Medical Research 2019, Vol. 47(1) 3-18

"My horses and I love The Equissage, as one of its many benefits is that it is so portable to use at shows for warming up and cooling down. "Heike Holstein, Irish International Team Dressage Rider.

Healthy Circulation means Healthy Tissues, Healthy Horse.

"Working as a Chartered Physiotherapist in Animal Practise since the mid 1980's very little remains familiar from that time. However the Niagara Equissage therapy system remains and is still my number one device that I use and recommend. Consistency, performance, durability, service and results are what I get from Niagara Equissage. My patient case load has included several Classic and Cheltenham winners, and European Team sport horses, who have benefitted from the Equissage to help maximize their performance." *Elizabeth Kent. Chartered Physiotherapist.*

Helping Humans not Only Horses: NHC Cyclo-Therapy® Rider Pad



Irish Olympic eventer Jonty Evans is making remarkable progress after a fall in competition at Tattersalls in 2018 that left the eventer with serious brain injury and in a coma for 6 weeks. As part of his rehabilitation therapy Jonty is now benefiting from the Cyclo-Vibration Therapy found in Equissage Pulse Digital. Relaxing high tone and stiff sore muscles "When I applied the human Cyclo-Therapy pad behind my back and

under my legs I could feel a real difference in the relaxation and stretch in my muscles enabling me to move my hip and joints with greater movement, I was really surprised". *Jonty Evans, Irish Olympian.*







Niagara Equissage Pulse®: Research The Whole Horse Effect

Research has shown that NHC Cycloidal Vibration Therapy (CVT) as applied by Equissage Pulse increases the range of motion by a statistically significant level.



A Controlled, Blinded Study Investigating the Effect That a 20-Minute Cycloidal Vibration has on Whole Horse Locomotion and Thoracolumbar Profiles. Mackechnie-Guire et al. - Journal of Equine Veterinary Science Volume 71, December 2018, Pages 84-89

Applying Equissage Pulse CVT to the saddle area stimulates and relaxes the major longissimus muscle groups, the largest spinal muscle group connecting the front to the back of the horse = WHOLE HORSE EFFECT.

The results of relaxing muscles and increasing circulation. Comparing Equissage CVT treated horses to a placebo un-treated group found that:

- Equissage Increased motion: Cycloidal vibration is associated with increased motion of the thoracic spine.
- Equissage Increased muscle relaxation: CVT is associated with increased thoracic musculature profiles.
- Placebo A placebo group showed no kinematic or musculature changes to the thoracic spine.

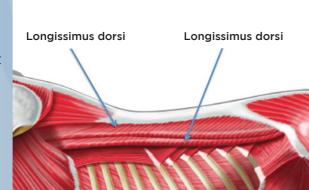
Using Scientifically robust protocols tests to determine does 20 minutes application of Niagara Equissage increase Range of Movement?

30 non-lame horses were randomly selected and using inertial sensors and undertaking pre and post back measurements.

- 20 horses measured before and after actual Niagara Equissage CVT treatment for 20 minutes compared to
- 10 horses measured before and after a Niagara Equissage Placebo CVT treatment for 20 minutes.

Over 2400 trot strides were analysed.

Range of motion Measurements taken at the Poll, Withers, Thoracic Vertebrae, Sacrum and Left Tuber Coxae

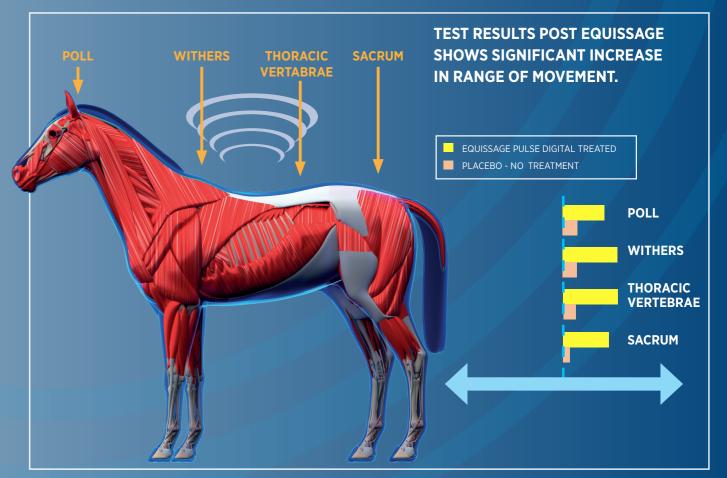


RESULTS				
Range Of Movement	20 mins Placebo Group	20 mins Niagara Equissage therapy		
Poll ROM	0.58	0.02		
Wither ROM Z	0.62	0.04		
Wither ROM H	0.30	0.01		
Thoracic ROM	0.20	0.03		
Sacrum ROM Z	0.88	0.05		
Sacrum Min Diff	0.33	0.03		
Left Tuber coxa ROM H	0.88	0.01		
	Placebo group No significant change in Range of Motion	Niagara Equissage group Sta- tistically significant change in Range of Motion		

In the Table Statistical results of 0.05 or less represent a significant difference.

Niagara Equissage statistically increased Range of Movement compared to a Placebo group.

- Increasing range of motion helps the horse perform to the best of its abilities.
- Increases stretch to help prevent injury.
- Improves general joint and muscle flexibility and health.



Improve Performance: Niagara Equissage Pulse, Research and Testing

Thoro Edge Equine Performance Study Purpose: To determine if using Niagara Equissage improves performance in thoroughbreds. The manufacturer claims that use of their product will improve circulation, joint mobility and respiratory conditions, in addition to: Relaxing muscles while releasing tension. Reducing swelling and Improving pre-exercise warm up and post-exercise cool down.

Method: Science is clear in that heart rate before/ during/ after exercise is an accurate measure of exercise intensity. Therefore, if heart rate drops for any given gallop speed, or gallop speed increases for any given heart rate, a positive condition effect is taking place. Three methods of exercise were considered: half-mile breezes on the training track, traditional two-mile gallops on the training track and actual six-furlong races during the 2008-2009 season.

For breezing and galloping, the mare was outfitted with heart rate and GPS sensors to objectively measure performance in terms of the relationship of heart rate to gallop speed.

In racing, the Beyer speed figure is used to grade performance that day. Two races took place with no Equissage treatment, while two took place with treatments 20 minutes before post time.

Improve Performance: Results

	Equissage CVT	No Equissage	
Гime	0.50.3	0.50.7	
RHR2	131	147	
RHR5	98	111	
Percentage	85.5 %	71 %	
	Equissage CVT	No Equissage	
Av. Pace	2.33	2.27	
Av Heart Rate	207	196	
eet per Beat	10	11	
Equissage CVT	Equissage CVT	No Equissage	No Equissage
2/30/18	01/24/09	11/11/08	12/05/08
50	49	34	35
	1	7	8
	RHR2 RHR5 Percentage Av. Pace Av Heart Rate Feet per Beat Equissage CVT 2/30/18	0.50.3	Dime

SUMMARY

Dietrich Graf von Schweinitz, Veterinary Surgeon, Writtle College UK Not only did the stride length appear to improve, but also an increase in the speed of the stride (from average 2.6 m/sec to 3.1 m/sec). Therefore, the racehorse, polo pony and eventer will all perform with fewer strides in faster time.





NHC Cyclo-Therapy® as used in Niagara Equissage Pulse®: Research and Testing

Over many years, the the Cycloidal Vibration generated by NHC Cyclo-Therapy® (CVT) used in Equissage Pulse has had extensive clinical testing, focused case study reviews and medical/veterinary research on humans and animals. The following are a few of the results so you can be confident that your decision to invest in the Niagara Equissage Pulse® Digital was the right choice.

Improved Mobility

In this group of horses, this study found that Cycloid Vibration (CVT), has an immediate effect on the horse by altering thoracic range of motion, thoracolumbar musculature and pelvic symmetry. In the placebo group, who followed the same protocol excluding receiving any vibration therapy, no changes in any measured parameters were observed. *Royal Veterinary College/Centaur Biomechanics - UK*

Improved Speed and Length of Stride

Not only did the stride length appear to improve, but also an increase in the speed of the stride (from average 2.6 m/sec to 3.1 m/sec). Therefore, the racehorse, polo pony and eventer will all perform with fewer strides in faster time.

Dietrich Graf von Schweinitz, Veterinary Surgeon, Writtle College UK

Increase Speed and Length of Stride

Equissage CVT treatments prior to half-mile breeze improved post workout recovery within the first S minutes from 71 % to 85.5%. Equissage treatments prior to a gallop allowed the mare to move a tick faster for the distance, while expending less energy. Equissage treatments 20 minutes before the post parade improved the Beyer figure by an average of 15 points. *ThoroEdge Equine Performance Study*

Improved Healing of Wounds

Using CVT to stimulate the circulation to enhance healing can significantly reduce treatment costs. Benefits include faster healing times, better quality oflife and a marked reduction in pain. *Journal of Wound Care vol 14, no 9*

Improved Lymphatic Drainage

The core of the product CVT has local and worldwide potential in the management of existing disorders in blood, tissue and lymphatic systems. CVT has demonstrated that their equipment complies to the TGA medical devices essential principles.

Professor Dr. Neil Piller, Flinders University School of Medicine

Statistically significant improved walking in patients with circulation problems using CVT

A statistically significant and substantive improvements from baseline after 12 weeks using Cycloidal Vibration Therapy on the effected leg observed in Pain Free Walking distance and Maximum Walking distance in patients with intermitent claudication. The substantive improvement in systolic leg pressure in the treated leg and the concurrent absence of a substantive change in systolic leg pressure in the untreated leg over the same period suggests a causative effect of CVT.

Professor Atkin, Pilot Feasibility Studies. 2019 Nov.

Statistically significant improvement in chest clearance with ICU ventilated patients using CVT

Results suggest that CVT may contribute to expectoration and thus improve lung collapse among ventilated patients in an ICU. CVT nursing intervention is a safe and effective alternative pulmonary clearance method and can be used on patients who are on ventilators in ICUs. *J Chin Med Assoc.* 2009

Reducing Pain & Enhancing Mobility

The Equissage units are used daily to improve the comfort and mobility. We believe that with regular use of the Equissage CVT units has been helpful in maintaining comfort and quality of life, especially in the colder months. We have also found additional uses for the equipment in reducing discomfort.

Dr Simone Vitali BSc BVMS PhD MANZCVS, Perth Zoo

Journal of Wound Care vol14, no9, April 2005

Using CVT to stimulate the circulation to enhance healing can significantly reduce treatment costs. Benefits include faster healing times, better quality of life and a marked reduction in pain.

Professor Dr. Neil Piller, Flinders University School of Medicine 2004

The core of the product CVT has local and worldwide potential in the management of existing disorders in blood, tissue and lymphatic systems. It has demonstrated that their equipment complies to the TGA medical devices essential principles.

NHC Cyclo-Therapy®: Equissage and my other animals

When called upon, Niagara Equissage has been used to help a range of animals in wildlife parks around the world.













How Can We Help Your Horse

- Increase tissue health and performance
- Relax muscles
- Local blood circulation
- Venous drainage
- Lymphatic circulation
- Swollen joints
- Increasing Range of Motion
- Relieve Stress
- Increase Stretch
- Improve Joint and Muscle Flexibility
- Aid Rehabilitation
- Kissing spine
- Arthritic joints

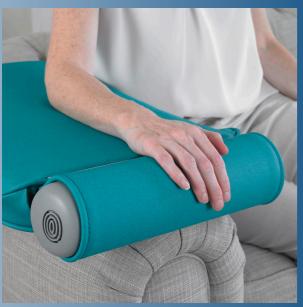
- Respiratory disease / problems
- Tight hamstrings
- Sore and cold backs
- Lactic Acid
- Fibrinogen vertebrae problems
- Ligament and tendon damage
- Stress and Sore backs
- Wound and soft tissue healing
- Pre-racing condition
- Post-race stiffness
- Pulled ligaments
- Soreshins
- Colic
- Laminitis



From Humans To Horses: A Research Journey









Get back what your horse takes out! Try the Niagara Equissage Rider Pad system for yourself and see why riders and competitors choose Equissage!

Medically tested proven NHC Cyclo-Therapy for you.



DRESSAGE

"I use Equissage Pulse before I ride as a warm up; it saves me so much time. It also helps to keep my horse relaxed and supple."

MICHAEL & MARIA EILBERG



DRESSAGE

"Using Equissage Pulse has made a huge difference to all our horses. It has now become part of our daily warm up and cool down. The horses receive the very best care with only the best products."

PAUL & BOBBY HAYLER



SHOW JUMPING

"The new Equissage Pulse with its different settings offers me a wide range of care, from stimulation of tired or sore muscles to relaxing after a hard days work."

MARCUS EHNING – Olympic Gold medal team member for Germany, WEG Gold medal team, FEI World cup final winner



RACING

"We have used Equissage for 15 years and it just gets better. The new Digital Pulse is another great improvement and we're getting plenty of use from the Hand Unit too."

JAMES FANSHAWE – race trainer, twice winner of the Champion Hurdle



EVENTING

"I use Equissage to travel with it really helps to keep the horses muscles nice and loose before and after competition"

MICHAEL JUNG - World Champion and Olympic Gold Medalist

Niagara Equissage Pulse®: Instructions for Use

Getting Started with Niagara Equissage

This manual will show you how to set up, use and care for your Niagara Equissage Pulse® Digital System.

It is recommended that you read this manual thoroughly so that you are confident in introducing NHC Cyclo-Therapy® to your horses and know how to best treat for various conditions.

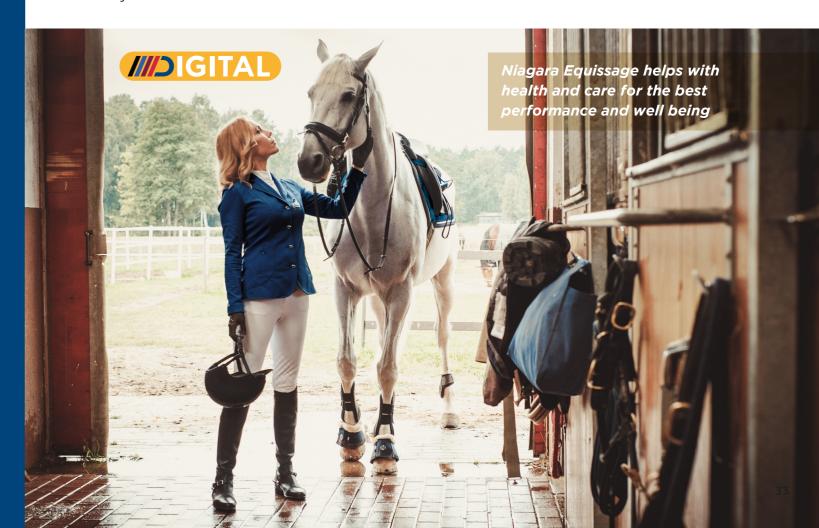
Your Equissage Agent will be able to assist you if you have any questions along with our dedicated Customer Care Team if needed.

"I see the benefits of Niagara Equissage helping horses with all my clients that actively use the product" Irene De Best - Veterinary surgeon.

PLEASE NOTE: Just like humans, every horse is different however the effects of the NHC Cyclo-Therapy[®] are consistent and will achieve maximum therapeutic benefits through a regular program of use.

Some horses may receive greater benefit with variations to the treatment recommendations detailed in this manual.

There are a wide variety of external factors that will, in turn, affect the outcomes and the level of benefit obtained. Environmental toxins, parasites, feed and water quality are just some of the factors that can adversely affect the overall health of your horse. If chronic or acute symptoms continue then Veterinary advice is recommended in addition to utilising Niagara Equissage Cycloidal vibration on your horse.



Information Symbols





Indicates the need for the user to consult the instructions for use for important cautionary information such as warnings and precautions that cannot, for a variety of reasons be presented on the device intself.



Consult Instructions for Use:

Indicates the need for the user to consult the instructions for use.

CE Marking:



Indicates that a product has been assessed by the manufacturer and deemed to meet EU safety, health and environmental protection requirements.



Waste Electrical and Electronic Equipment:

Indicates that the product should not be discarded as unsorted waste but must be sent to separate collection facilities for recovery and recycling.

© Contents of your new Niagara Equissage Pulse® Digital

Your Niagara Equissage Pulse® Digital set comes in a lightweight, protective bag on wheels to ensure that your equipment is protected from dust and is portable and easy to transport.

In your set, you will receive your Niagara Equissage Pulse Digital Back Pad and Hand Unit along with batteries, chargers and tendon boots.

*Other items may be included, depending on the type of Equissage set or number of accessories purchased.



Both your back pad and Hand Unit contain the following settings options.

The Niagara Equissage Pulse Digital Difference.

 Now with 60 settings to find the optimal application to benefit your horse.

NHC Cyclo-Therapy® Standard Setting - Cycloid Action

Standard setting delivers NHC Cyclo-Therapy® in a constant speed motion. The cycloidal vibration produces an elliptical, three dimensional wave moving up and down left to right in a circular motion all at the same time. The end result is a deep, penetrating tissue and muscular massage which has no harmful side effects. This setting is commonly used on day to day treatments.

NHC Cyclo-Therapy® Setting - Poly Modulation

Poly Modulation is a variation of the Equissage constant CVT setting. This provides a deeper surging action, best used when extra stimulation is required.

By alternating the delivery of CVT between the highest and lowest settings quickly it has a deeper effect to help promote muscle stimulation and lymphatic drainage, which further assists in reducing swelling and allows muscles to expand and contract gently to assist rehabilitation of muscle groups and as a warm up before competition.

Poly Modulation is a great therapy setting to use when increased stimulation to tissue, fluids and muscle groups is required. It is also an ideal setting for conditions that involve rehabilitation of muscles, ligaments and tendons.

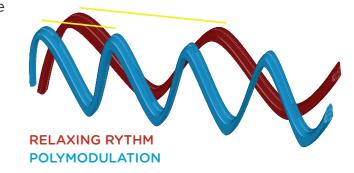
NHC Cyclo-Therapy® Setting - Relaxing-Rhythm

Relaxing rhythm produces slow-moving, rhythmical waves of cycloidal vibration which penetrate deeply into the tissue producing a hypnotic effect on the nervous system.

Whenever a greater need for relaxation and a calming effect is required it is the ideal setting and can be used as often as required. Moving the massage intensity

from highest to lowest setting via a unique undulation, this aids in achieving the ultimate relaxation.

A great method to destress your horse before and after transport as well as the many other reasons both for competition and pleasure, that horses need to improve relaxation.



DISCLAIMER SAFETY: The Equissage Pulse Digital Saddle, Hand Unit, batteries and accessories must be used following the instructions for use for safety and effectiveness. Whilst provisions are made with respect to safety we accept no responsibility for any complication or incident due to instructions not being followed accurately and for any misuse of the product.



Preparing To Use Your Niagara Equissage Pulse® Digital 1

Before using your Niagara Equissage Pulse® Digital Pad or Hand Unit you should first ensure that the power pack batteries are fully charged.

THE NIAGARA EQUISSAGE POWER BANK BATTERY

The Niagara Equissage battery is a Lithium-Ion Rechargeable Unit. NOTE - on receiving please fully charge the batteries before use.

Battery Chargers Provided

- 1) Mains powered charger
- 2) Portable 12V portable cigar lighter connection charger



WARNING - IF A LITHIUM-ION BATTERY IS USED INAPPROPRIATELY OR DAMAGED NOT FOLLOWING CARE INSTRUCTIONS, IT CAN RESULT IN LEAKAGE, OVERHEATING, SMOKE EMISSION, BURSTING, IGNITION / FIRE



NIAGARA EQUISSAGE BATTERY CHARGERS INSTRUCTIONS

Always use the charger supplied with your Equissage Back Pad or Hand Unit as this is specifically designed to handle your Lithium-Ion battery.

BATTERY CHARGERS

When you place your batteries on charge a RED LED will light on the charger indicating batteries are charging. The LED on the charger turns GREEN when the battery is fully charged.





NOTE - please turn off the charger once the battery is fully charged. Overcharging the battery can damage the battery and lead to reduced battery life.



BATTERY CHARGE INDICATION STATUS				
LED Colour	Equissage Back Pad	Equissage Hand Unit		
GREEN	Battery OK	Not Applicable		
FLASHING RED	Battery Low, Re-charge	Battery Low, Re-charge		
RED	Battery critically low - Motor switches off. User should switch off the device and disconnect and recharge the battery	Unit powers off. If the user tries to turn back on then the red light flashes for 0.5s and the unit powers off again. The user needs to recharge the battery		
AUTO switch off	LED = flashing green. User should switch off the unit to avoid draining the battery. To restart switch off and back on again.	Not Applicable		



BATTERY CARE, MAINTENANCE AND STORAGE

Lithium-Ion rechargeable batteries require routine maintenance and care in their use and handling. Read and follow the guidelines in this document to safely use Lithium-Ion batteries and to achieve the maximum battery life span. A separate data sheet is also included with the Equissage system specific to the Battery Care, Maintenance and Storage.

Do not leave batteries unused for extended periods of time. When a battery has been unused for 6 months, check the charge status and change or dispose of the battery as appropriate. Rechargeable Lithium-Ion batteries have a limited life and will gradually lose their capacity to hold a charge. This loss of capacity (ageing) is irreversible. As the battery loses capacity, the length of time it will power the product (run time) decreases. Correct battery charging, care and storage will prolong the life of your battery.

STORAGE: Always store in a dry, clean, cool environment in a fully packaged condition. Storage charge or discharge the battery approximately 50% of capacity before storage. Charge the battery to approximately 50% of capacity at least once every six months.

Remove the battery and store it separately from the product.

TEMPERATURE WARNING: Store the battery at temperatures between 5°C and 20°C (41°F and 68°F). NOTE – the battery self-discharges during storage. Higher temperatures (above 20°C or 68°F) reduce the battery storage life.

DO NOT "short charge" - make sure the battery runs through a complete charging cycle and only return to service that charging is complete.



HANDLING PRECAUTIONS

IMPORTANT - For your safety and that of your customers, observe all cautionary information provided in this document. Save this document for future reference. The following information is intended to highlight potential safety hazards that can be associated with the misuse, misapplication or damage to rechargeable Lithium-lon batteries.

- DO NOT disassemble, crush or puncture a battery
- DO NOT leave a battery in an area where it is at risk of puncture or crushing
- DO NOT use a visibly damaged battery (either with a damaged battery casing, connector or cable)
- DO NOT short the external contacts on a battery
- DO NOT dispose of a battery in fire or water
- DO NOT expose a battery to temperatures in excess of 60°C (140°F)
 eg. Leaving in direct sunlight, in a vehicle in hot weather etc.
- DO NOT expose the battery connection to other metal objects
- DO NOT connect the battery to additional batteries or use any unspecified chargers
- DO NOT connect the battery to damaged products.



BATTERY OVERCHARGING / INCORRECT CONNECTIONS: NOTE:

The Niagara Equissage batteries and chargers supplied with your Niagara Equissage set have been specifically designed for use with your products and are labelled accordingly.



WARNING

Please do not attempt to use alternative batteries or chargers with your Equissage products. NHC Technology Ltd accepts no responsibility for any complication or incident due to incorrect product use.



- Once fully charged they should be connected to the respective Massage Unit, taking care to ensure that the connecting plugs are pushed together in the correct orientation.
- The shape of the plugs will allow the connectors to easily fit together.

 To ensure a SECURE CONNECTION of the Niagara Equissage power pack battery to the Pad or Hand Unit.

 Insert the battery cable into the pad or Hand Unit cable as shown below.

 Twist CLOCKWISE as indicated to lock the cables together.

 To unlock, twist ANTI-CLOCKWISE to release.

PLEASE NOTE - Do not try to pull the plug and socket apart once locked as this could damage both the plug and socket.



Niagara Equissage Pulse® Digital Back Pad Operation

- Place if required a saddle cloth on the horse's back, as you would for normal riding.
- Position the Niagara Equissage Back Pad behind the wither to allow access to girth area with the Hand Unit. Using the adjustable sliding strap through the base of the click, secure girth firmly and do not over-tighten. Place excess strap in keepers. Fig. 1.
 - *Do not pull strap with force.
- Connect a fully charged Niagara Equissage Power Bank battery supplied to the motor using the leads provided. Clip the battery to the strap on the side of the unit during operation.
- Attach breast plate loosely using high or low D Ring, depending on the depth of the horse's neck. Fig. 2.







Fig. 1

Fig. 2

Fig. 3

- To check if you have positioned the breast plate correctly, make sure that it allows the horse to be able to lower its head without the breast plate pulling tight.
- Holding the hand control handset Now with over 60 settings to find the optimal application to benefit your horse.
- Turn the Back Pad on, press the POWER ON/ OFF button. a Green LED will illuminate and the LCD display will show 00 within the time display window and 0.0 within the speed window.

START THE TIMER

To start the Niagara Equissage Pulse® digital pad, time must first be set.
 To select the time, the upper left arrow button is pressed associated to the "time" selection. Time can be set in 5 minute intervals from 5 to 60 minutes as displayed by the left display screen.

- To reduce or cancel time, press the bottom left arrow button.
- Once time is set, the timer will count down in 1-minute increments as displayed.
- When time reaches 0, the therapy will stop.

® NHC Cyclo-Therapy® Intensity

- When time is set, the therapy intensity can be selected.
- Pressing the upper right arrow button, the Therapy will START at the minimum setting of 1.0 as indicated in the right LCD display (Minimum 1.0 to Maximum 9.5).
- Holding the button down will slowly increase the intensity level until the desired setting has been reached.
- To reduce the intensity, the bottom right arrow button when pressed,
 will slowly reduce the speed until 0.0 which will switch the therapy off

BUTTON - CYCLOID-ACTION: (see page 35)

This is the default setting of the device – when selected from another therapy output the Cycloid-Action therapy will deliver a constant level of therapy.

BUTTON - POLYMODULATION: (see page 35)

Once the intensity level selected is above 1.5 and the timer has been set, selecting POLYMODULATION will start this therapy action.

BUTTON - RELAXING RHYTHM: (see page 35)

Once the intensity level selected is above 1.5 and the timer has been set, selecting RELAXING RHYTHM will start this therapy action.

TO STOP THE THERAPY either

- Press ON/OFF button or Press the TIMER down button.
- The THERAPY will stop automatically once the timer reached 0.







Once you have set the Niagara Equissage Back Pad to the desired setting place the hand set inside the Back Pad pocket.

The length of the Hand set cable can be varied depending on your needs, simply loop the cable to the desired length and fasten with the straps provided.





Niagara Equissage Hand Unit Operation

ON/OFF - To turn on the Hand Unit press the power ON/OFF button

TIMER

Using the TIME UP and DOWN buttons set the desired running time in 6 minute increments up to 30 minutes as indicated by the LED display. Once the speed is set the Hand Unit TIMER will run down in minutes as indicated by the LED lights, at the end of the time the therapy will decrease until the unit turns itself off.

® NHC-Cyclo Therapy® Intensity

SPEED UP and DOWN buttons on the end of the Hand Unit allows you to select the intensity settings on the Equissage Hand Unit. The speed range of the Hand Unit increases in 0 to 5 speeds from LOW to MEDIUM to HIGH, indicated by a blue LED.

Hand Unit - Settings - Once the TIME and INTENSITY levels are set for:

CYCLOID-ACTION: (see page 35)

This is the default setting of the device – when selected from another therapy output the Cycloid. Action therapy will deliver a constant level of therapy.

POLYMODULATION: (see page 35)

Press the intensity down button for 3 seconds and PLOYMODULATION will start.

RELAXING RHYTHM: (see page 35)

Press the intensity down button for 3 seconds and RELAXING will start.

To return to CYCLOID-ACTION constant: Press the intensity down button for 3 seconds and it will return to CYCLOID-ACTION

LOW BATTERY WARNING

When the battery charge drops below the required performance level an LED on the controls will flash RED, if you continue to use the Hand Unit will switch itself off in order to protect the battery if the battery level is too low.

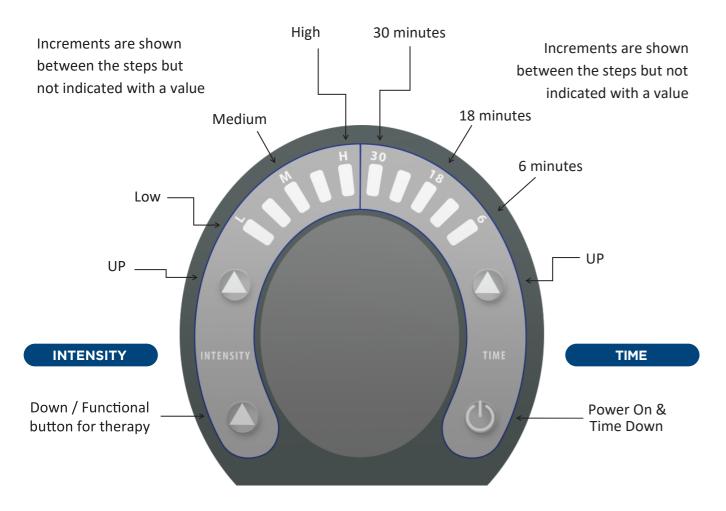
Device start-up - the device will default to always start on the standard cycloid action

NOTE REMEMBER: Turn products off when changing batteries.

NOTE: If using in the Tendon Boot on a horses leg. Ensure that the boot is firmly tightened to ensure the unit doesn't come loose.

NOTE: The rubber cap should be pushed firmly onto the end of the hand unit, with the arrow pointing down. Do not operate unless the rubber cap is firmly secured onto unit. (Use cap on bone or on joint tissue areas).

NOTE: If you wish to use two Hand Units at the same time as the Back Pad use the Y-Adaptor supplied with the product.





Most people use Niagara Equissage before they ride as it stimulates circulation and muscles and aids in warming up a horse before work. For best results, use the Back Pad in the saddle position for 20 minutes on Medium to High intensity prior to riding. Horse can be ridden immediately after treatment.

On competition days, horses can be treated as above or up to 4 hours prior to competition. The benefits of 1 treatment will continue to increase for up to 6-8 hours.

Allowing a 4 hour interval between treatment and riding can allow for the therapy to be fully effective, yet also giving time for any necessary bowel movements to occur, and any initial lethargy to pass (which only occurs when using Niagara Equissage for the first time on horses and also depends on their fitness levels, age and other factors).

However, trials and experience have also told us that some horses perform best with much shorter intervals, with no negative side effects, so it's very much a case of finding what works best for your horse - and it is often discipline-dependant, meaning, for example, it is often better to give a racehorse a treatment a few hours before a race, whereas a dressage horse performs well straight after a treatment - when relaxation and suppleness are maximised.

Please call your sales agent for customised advice









In general, the majority of back problems can be helped with the Niagara Equissage Pad if used on a daily basis in the Saddle position for 20 minutes at speed 4 - 5.

However, we recommend the use of the Hand Unit in conjunction with the pad once or twice a week or as necessary for optimum care and results. Place your fingers on the rubber cup and apply at a medium to high speed below the spine (see Fig 1). Slowly and gently run from the pad through the nerve channel 3 times, along to the top of the hind quarter, (see Fig 2 and 3). Repeat on the other side.





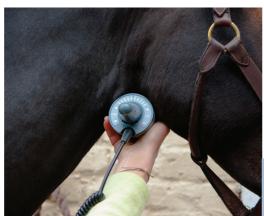


Fig. 1 Fig. 2 Fig. 3

Respiratory Focus: Breathing Problems

Most breathing problems, including bleeders and thick winded horses, can be helped by the Niagara Equissage Pulse® Digital Pad if used on a daily basis in the Saddle position for 20 minutes at speed 5 - 6. However, we recommend the use of the Hand Unit in conjunction with the pad prior to strenuous exercise for optimum care and results.

Fig 1. Hold the body of the Hand Unit on the Brisket at medium to high speed for 2 minutes

Fig 2. Slowly work up the side of the windpipe 3 times at medium to high speed.

Fig 3. Hold the body of the Hand Unit on to the soft palate for 1 - 2 minutes (taking care not to come into contact with the jawbone



The majority of shoulder problems can be helped by the Niagara Equissage Pulse® digital pad if used on a daily basis in the Saddle position for 20 minutes at speed 4 - 5. However, we recommend the use of the Hand Unit in conjunction with the pad daily, until the problem is cleared up and then once or twice a week for optimum maintenance of movement.

Fig 1. Using the Hand Unit at medium to high speed make three slow "C" shaped movements from the base of the neck down to the base of the shoulder, following the forward articulation of the shoulder.

Fig 2. Hold the Hand Unit at medium to high speed under the edge of the pad and base of shoulder (triceps) for 1 - 2 minutes.





Fig. 1

Fig. 2



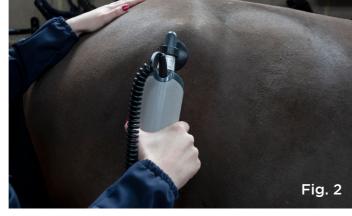
@ Hind Quarter Focus

In general, the majority of hind quarter problems can be helped by using the Niagara Equissage Pulse® Digital Pad on a daily basis in the Saddle position for 20 minutes at speed 4 – 5. In the case of pulled muscles or a build-up of lactic acid, use the Hand Unit on a daily basis, then once or twice a week for optimum maintenance.

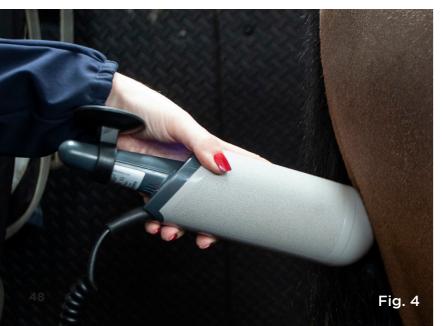
Figs 1-3. Using the Hand Unit at a medium to high speed, move slowly down the muscles as shown, three times to ease the hip and the surrounding muscle area.

Figs 4-5. Move the Hand Unit as shown, three times in order to ease the hamstrings



















Leg Focus

The Niagara Equissage leg and tendon boot is the most effective way to help the majority of horse leg and foot problems. These problems include pulled ligaments and tendons. Swellings due to knocks or inflammation, Circulation Disorders, Arthritic Conditions, Sore Shins, Capped Hocks, Laminitis and Bruising.

Using the boot in conjunction with the Niagara Equissage Hand Unit, will create a very deep circulatory massage to the whole leg. This in turn will increase blood and lymphatic circulation, relax muscles and help improve joint mobility.

To apply the Niagara Equissage boot, hold against the side of the leg and wrap the bottom Velcro strap fairly tightly around the leg and back onto the body of the boot (see Fig. 1)

Insert the Hand Unit into the tubular part of the boot (see Fig. 2). Wrap the upper Velcro strap tightly around the leg and secure onto the body of the boot (see Fig. 3) Finally check and make sure that the whole assembly is firmly set against the leg and that the rubber cup is against the area (if applicable)

Turn on the Hand Unit at a low speed for 1-2 minutes then turn up to medium, then up to full speed for 5-10 minutes. The boot can be used above the knee but for the majority of treatments, 5-10 minutes on the lower leg is sufficient



For the use of Equissage on sore shins refer to Fig. 3. In the case of very sore shins (see Fig. 4), just use above the knee for 10 minutes once or twice a day.

For BRUISED SOLES apply the Hand Unit directly to the hoof. For maximum increase of circulation apply the Hand Unit to the bulb of the heel, this in turn will encourage healthy hoof growth (see Fig. 1)



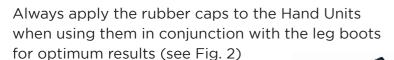


Fig. 2 Fig. 1



Using the Dual Leg Boots

Two leg boots can be fitted and used simultaneously on the front legs, powered by the pads batteries (see Fig. 3) and connected using the splitter (see Fig. 4). The dual leg boots can be used with or without the pad operating. IMPORTANT - if the pad is also operating, and it times out after 20 minutes, the leg boots may time out at a different time dependant on the timer settings.







Hoof Focus

Niagara Equissage can assist with the healing of bruised soles and hoof abscesses. Apply the Hand Unit with rubber cap directly to the sole of the hoof and for maximum increase of circulation apply the hand pack to the bulb of the heel, this in turn will encourage hoof growth.

Use the Hand Unit on Medium to High intensity for 1-2 minutes, and then in the Leg and Tendon Boot for an additional 15 minutes.



Fig. 4



i Care, Technical, Guarantee

DISCLAIMER Safety: The Niagara Equissage Pulse® Digital Saddle, Hand Unit, batteries and accessories must be used following the instructions for use for safety and effectiveness. Whilst provisions are made with respect to safety we accept no responsibility for any complication or incident due to instructions not being followed accurately and for any misuse of the product.

NEW BATTERIES

New batteries can be obtained from NHC Technology Ltd. (Equine Division)

CARE - NIAGARA EQUISSAGE SADDLE AND HAND UNIT

STORAGE - ideally store your Niagara Equissage full system in an appropriate, protective storage case. Always store in a dry, clean, cool environment.

CLEANING

The cover of the pad should be cleaned regularly by wiping with a damp cloth - a mild tablet soap may be used however, they should be rinsed clean by wiping with a fresh damp cloth before drying with a dry lint free cloth.

DO NOT - immerse the Niagara Equissage saddle and Hand Unit in water or fluid this will permanently damage the electronics in the products.

DO NOT - carry or lift the products by the cables this risks product damage.

TAKE CARE to prevent hair and small objects from entering the air vents.



Technical Details

NHC Cyclo-Therapy® / Cycloidal Vibration range: a mechanical form of circular oscillation vibration producing a 3 dimensional movement of varying magnitude longitudinal, vertical and transverse to the vibrating surface. It has a frequency range of between 5Hz and 105Hz and an amplitude range of between 0.02 mm and 1.4 mm.



Disposal: The device carries the WEEE mark - this indicates it should be disposed of as per the local / national guidelines. For more detailed information refer to page 34.

Reciprocal Interference: The device complies with BS EN 60601-1-2 (Medical electrical equipment. General requirements for basic safety and essential performance. Collateral standard. Electromagnetic compatibility. Requirements and tests) Household appliances will have no detrimental effect on the operation of this device / compliance shows the device is compatible with the regulations.

TROUBLESHOOTING: Should the device fail for any reason first check there is a charge in the battery and the device has been connected as per the instructions. Should this still not work then please contact the number shown on the reverse of this user manual for further advice. There are NO user serviceable parts in this device.



For queries or matters relating to your guarantee, please contact where you purchased the product. The guarantee is confined to the customer of the product only and is only valid on presentation of an invoice or original proof of purchase (receipt). Under law, the Contract of Sale exists between the retailer and the consumer. If the guarantee conditions have been satisfied, the retailer will then liaise with us (NHC Technology Ltd UK) on your behalf. This guarantee is not insurance backed.

If a product inspection is required we will contact you to arrange a suitable arrangement. This may involve a visit inspection or the return of the product to the manufacturer. (NHC Technology Ltd UK).

NOTE: The guarantee will only cover manufacturing defects or faults that have been inspected and certified. If the product in question has been discontinued and cannot be repaired, we reserve the right to supply an equivalent alternative.

From the date of purchase your Niagara Equissage Pulse® Digital (saddle and hand unit and accessories **EXCLUDING Batteries and chargers**) is guaranteed for 2 years.

Please NOTE Niagara Equissage Batteries are guaranteed for 6 months from date of purchase.

The Niagara Equissage Pulse® Digital will be repaired or replaced at pro-rated allowance, at our option, if it is defective due to faulty workmanship or materials for 2 years from date of purchase; subject to the limitations described in this guarantee.

NOTE - Batteries are not included in this Guarantee.

This guarantee does not extend to:

Normal wear and tear, or damage caused by misuse, careless treatment or negligence.

Examples of misuse would include (but are not limited to):

- Plastics or Electronics damage due to dropping of the product.
- Excessive twisting of cables or cuts to cables.
- Excessive bending of cable connections.
- Excessive force applied to cables or connectors.
- Excessive force applied to buttons or controls.
- Incorrect cleaning or storage.
- Instruction for use and care guide not being appropriately followed.

- Subjecting the product to excessive wear and tear resulting in fabric damage.
- Excessive bending of the saddle pad and strain on buckles or straps.
- Incorrect Storage of the product as per the Instructions for Use.
- If the product has been too wet, or has been heavily soiled.
- Small manufacturing irregularities that do not affect the performance of the product.
- Defects due to causes beyond our control such as, Accidental Damage, floods or fire.

In the event of a dispute we may request a third party inspection of the product before agreeing to carry out repairs/replacements.

Following a repair, the guarantee will remain valid from the date of the original purchase. This is only valid if Guarantee work is undertaken by NHC Technology Ltd or an approved third party.

This guarantee is not transferable it is between the original purchaser and retailer ONLY. The terms of this guarantee are governed by English Law.

Batteries and Chargers are covered by a 6 month guarantee from the date of purchase against defects, resulting from manufacturing or material faults. This is only valid if Battery and Charger Instructions for Use are followed appropriately.

EXTEND YOUR WARRANTY BEYOND 2 YEARS

For piece of mind you can extend your warranty for nominal cost per month. This will cover the costs of any product failures or warranty repairs due to manufacturers fault beyond the 2 year guarantee.

Contact us for more information:

Tel: +441745 811270 or Tel: +441745 811200

www.niagaraequissage.com





BOOK YOUR FREE DEMONSTRATION: 0800 689 9820

Or order online at canissage.co.uk
using PROMO CODE: EQUBB and Save £50



Customer Service:

NHC Technology Ltd, Colomendy Industrial Estate, Rhyl Road, Denbigh. United Kingdom LL16 5TS. **Tel: +441745 811270 or Tel: +441745 811200**

www.niagaraequissage.com





© @EquissagePulse

We would love to hear your feedback! info@niagaraequissage.com

Niagara Equissage, Niagara Equissage Pulse, NHC Cycloidal Vibration, NHC Cyclo-Therapy & Equissage are registered trademarks of NHC Technology Ltd.

NOTE DISCLAIMER - WE SHOULD EMPHASISE THAT Equissage Cyclo-vibration Therapy (CVT) IS NOT A CURE FOR THESE CONDITIONS BUT IT CAN DO MUCH TO HELP ALLEVIATE THE SYMPTOMS ASSOCIATED WITH THEM AND AID HEALTH CONDITIONING. IT IS DESIGNED TO COMPLEMENT THE RANGE OF CURRENT THERAPIES AVAILABLE FROM YOUR VET AND ITS USE CAN ALWAYS BE DISCUSSED WITH A VETERINARY PROFESSIONAL IF YOU ARE CONCERNED. YOU SHOULD NOT DISCONTINUE ANY CURRENT THERAPY WITHOUT FIRST SEEKING ADVICE.

The company reserves the right, without notification, to modify or change, any design or specification at their discretion in accordance with a continued research and development programme.

Niagara Equissage, Equissage Pulse, Equissage in UK and Europe are trademarks of NHC Technology Ltd.

V01040121001994 / Revision C (Jan 2021)

