

Frequently Asked Questions



What is ReBound™ Diathermy?

Diathermy is a therapeutic heating modality and literally means “to heat through”. **ReBound™** diathermy is an FDA cleared and patented technology originally developed by the US Navy to warm the SEAL team members and deep sea divers. The unique anatomically designed therapy garments envelop the entire body part and produce time-varying longitudinal electromagnetic fields within tissues delivering deep therapeutic heating. The unique longitudinal heating coil design keeps the heating gradual, uniform and safe.

What is the difference between pulse and continuous short wave diathermy?

Continuous short wave diathermy is applied continuously, while pulsed short wave diathermy is periodically interrupted at regular intervals resulting in pulses or bursts of Radio Frequency (RF) energy.

ReBound™ is able to operate continuously because it is very low powered. At only 35 watts of power, **ReBound™** does **not** need to pulse to deliver a safe yet effective treatment.

Why are there different intensity levels on the Regenerator?

There are different intensity levels on the Regenerator so that the therapy administrator can determine at which rate they want to administer the therapy. The lower the intensity, the less heat that is delivered to the tissues (and felt on the surface of the skin)
For example – at 100% intensity the tissue temperature increases 1 degree C every 2 -3 minutes. This gets the tissue into the therapeutic heating range in approximately 8 – 10 minutes. And at 25% intensity, the patient may not feel any heating effects but, they are still receiving the other sub or non-thermal effects of diathermy.

For therapy recipients that are sensitive to heat, you can start them at a lower intensity (80 or 85%) or if during a therapy session at 100% they feel it is getting to hot, turn the intensity down to 80 or 85% and then even lower if necessary.

How deep does ReBound™ heat?

ReBound™ can elevate the tissue temperature into the therapeutic range up to 4cm deep

Why do you need to tune the therapy garments for each person receiving therapy?

You need to tune the therapy garment because each person’s physical attributes are different and tuning customizes the therapy garment to each individual to provide the most effective therapy. The therapy garment may go out of tune during the therapy as the recipient may have moved or because as the tissue is being warmed, the blood flow is also increasing, changing the capacitance in that area of the body, therefore, causing the therapy garment to need re-tuned.

Its similar to tuning your radio, once you have it to the correct setting you are able to hear the sound. Once you have the **ReBound™** to the correct setting for the recipient they can receive the treatment.

Why does jewelry have to be removed before receiving a ReBound™ treatment?

All metal jewelry in the area to be treated should be removed so the jewelry does not heat up during therapy.

Can ReBound™ treatment be applied directly against the skin?

We recommend using the therapy garments over clothing or with a protective barrier such as a towel. This helps ensure the treatment is comfortable for the recipient and minimizes the number of times the therapy garments need to be cleaned.

Is there a battery pack available?

Not at this time, but we are working on providing this option for the future.

Do the regenerator or therapy garments require calibration?

No, neither requires calibration.

Since there are no calibrated components/parts in the **ReBound™** system, the accuracy does not drift over time unlike other electronics that require calibration.

What are the benefits of ReBound™ compared to ultrasound?

- **ReBound™** is approved for unattended use so a technician does not need to be present once the patient is set up. This allows the technician to multitask.
- **ReBound™** has anatomically specific therapy garments to more effectively treat body parts
- **ReBound™** is able to treat a large area
- **ReBound™** “feels” better to the patient as they are actually feeling warmth during the therapy
- **ReBound’s™** heating effects last approximately 3 times longer than ultrasound

Is ReBound™ reimbursable?

Yes, **ReBound™** is reimbursable under the CPT code 97024.

Can I purchase this for home use?

Yes, the **ReBound™** can be purchased for home use with a doctor’s prescription along with the completion of a training course.

Can I use ReBound™ when there is a pacemaker patient nearby?

A person with a pacemaker must be a minimum of 3 feet away from the **ReBound™** system.

Can I use e-stim while simultaneously using the ReBound™ on the same person?

Yes BUT the leads/electrodes cannot be inside the therapy garment and must be more than one inch away from the outside edge of the therapy garment.

What therapy garment is best to treat plantar fasciitis?

For plantar fasciitis we recommend either the shoulder or 18" cylindrical therapy garment. See picture below for example:



How do I select the best size of cylindrical therapy garment?

Please refer to the sizing chart below

Therapy garment Size	Body Part Top Circumference	
	Minimum	Maximum
11"	No minimum	9"
13"	No minimum	11"
15"	No minimum	13"
18"	11"	16"
21"	13"	19"
23"	16"	21"
27"	19"	25"
30"	21"	28"
33"	25"	31"

How do I clean the therapy garments?

Since the therapy garment fabric contains a built in antimicrobial you can use any antimicrobial/disinfectant to clean in between uses. (such as wipes or sprays)

Why is the frequency of the ReBound™ 13.56 MHz and not the typical 27.12 MHz used in continuous shortwave diathermy?

13.56 MHz allows deeper penetration into the tissue and allows the product to be lightweight and compact.

What should I do if I get a yellow screen/system error?

Turn off the regenerator at the main power on the side of the unit. Let it rest for a minimum of 30 seconds, then turn back on. If the issue persists refer to the troubleshooting guide (insert link) for the most common error codes or contact customer support.

Why does the back therapy garment go in and out of tune?

The back therapy garment goes in and out of tune due to the amount of pressure being applied against the therapy garment. Prior to beginning therapy, place the therapy recipient in a comfortable position. Once the recipient is in a comfortable position, tune the therapy garment and begin therapy. If the back therapy garment goes out of tune, either have the recipient go back into the original position or simply retune the therapy garment using the black knob on the therapy garment.

Does my regenerator need to be in the upright position or can I lay it down for treatment?

The regenerator needs to be in the upright position during therapy to prevent the ReGenerator from overheating. If the fan is blocked, you will receive the 4-4 “over heat” error message.

I have seen pictures where an individual seems to be wearing 2 therapy garments, can I do that?

What you are actually seeing is a black barrier garment underneath the actual therapy garment, not 2 therapy garments. You cannot have a patient wear 2 therapy garments, but it is recommended to have a layer between the therapy garment and skin. This can be clothing, a towel or a barrier garment (example – stockenette).

How many people can I treat with the ReBound™ at one time?

You can treat one person at a time with ReBound™.

Can I treat more than one body part at a time on a person?

No, the ReGenerator only allows you to plug one therapy garment in at a time and you CANNOT use more than one regenerator on a patient at a time, even if it is on different body parts.

Can you train me and my staff?

Yes, we provide a short 20 minute training via Skype by our skilled training team. We cover how to use the system and answer any questions your staff may have to ensure your staff feels comfortable using ReBound™.

Whats the maximum length of a treatment? How long between sessions?

A 35 minute treatment is the maximum length of time for a **ReBound™** treatment, and you must leave a minimum of 2 hours between treatments.