

PHYSIOACOUSTIC CHAIRS

Model **PhysAc MX**

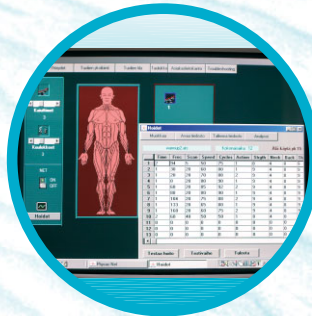
- Physioacoustic chair, leather / vinyl
- MX-handcontroller
- MX-electronics with cables
- Option for music connection
- 16 pre-set programmes



MX-handcontroller

Model **PhysAc PRO**

- Physioacoustic chair, leather / vinyl
- MX / PRO handcontroller
- PhysAc PRO for Windows-software
- PRO-electronics with cables
- Option for music connection
- Unlimited number of design and set up individual programmes



*PhysAc PRO
for Windows-software*

Extra equipments for both models:

- Electric adjustment
- Whole leather upholstery
- Higher armrests
- Bigger neck pillow
- Special colour



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PHYSIOACOUSTIC SOUND WAVE THERAPY



Sound energy, as a concept, has been used in medical science for several decades. As an example the use of ultra sound i.e. high sound frequencies has for years been commonly known to be a part of modern healthcare. The use of low sound frequencies has not been recognised in western medical science until very recently. **Physioacoustic Sound Wave Therapy System** is a unique method of using low frequencies within the range of 27-113 Hz for therapeutic purposes.

A group of Finnish experts spent 20 years developing a compact device that would precisely replicate and control low frequency sound vibrations. The result was a reclining chair housing a computer and six audio speakers. The computer creates and controls low frequency sinusoidal sound waves, which are broadcast through the speakers.

Physioacoustic method is approved by the FDA in the USA and three medical claims are allowed: It improves blood circulation, reduces pain and relaxes muscles where applied.

PHYSIOACOUSTIC TREATMENT

The patients feel Physioacoustic therapy as sympathetic resonance within muscles and other tissues. This can be experienced with music either through the chair or via headphones.

Physioacoustic Sound Wave Therapy, focuses on the musculo-skeletal system, releasing stress and tension through deep body massage. It also works on the circulation, lowering high blood pressure and reducing both anxiety and pain, whilst boosting the immune system, so promoting better health. There is evidence that Physioacoustic stimulation also has an effect on neuron chemicals. Power pulsation, scanning and direction enable the therapist to create an unlimited amount of different combinations for different therapeutic needs.

An FDA and BSI medically approved piece of equipment, for a wide range of medical conditions and sports injuries. On its own or combined with gentle music, it can provide the ultimate in relaxation and pain relief.

Sixteen programs with soft and intensive modes allow complete personalization to adjust to all individual needs. The treatment can be localized to specific areas. Computer unit uses the latest micro controller technology to create the desired effects for the treatment. Use of the sound waves instead of mechanical vibration is preferred because sound waves will gently move throughout the body easily. Physioacoustic therapy is suitable for increasing physical and psychological well-being.

Physioacoustic treatment has been used widely in Finland, England, Germany, Norway, Denmark and the USA for occupational healthcare, sports medicine, bio feed-back therapy, geriatric rehabilitation, handicapped rehabilitation stress reliving and insomnia purposes.

Major applications of the Physioacoustic method

Physioacoustic method is used in medical or educational selections:

- Occupational health service and preventive health care
- Hospitals and clinics
- Sports medicine
- General rehabilitation
- Rehabilitation of disabled and invalids
- Psychotherapy and psychiatric treatment
- Rehabilitation of drug and alcohol abuse
- Pain management
- Stress control
- Imagery trainings

TECHNICAL DESCRIPTIONS

Scanning and sympathetic vibration

In the PA-method the computer creates the low frequency sound. The approximate resonance frequencies of the basic muscle groups have been stored in the memory of the computer, which then causes the sound to vary up and down from the fixed pitch. This ensures that at some point the correct resonance frequency is reached. Then the muscle, or other tissue, resonates; in other words, starts to vibrate with the sound. This is called the principle of sympathetic vibration.

In the Physioacoustic treatment the sympathetic vibration is produced dozens of times during a therapy session. It seems that this type of interval treatment is even more effective than continuous stimulation. If the sound is continuous, the muscles may get tired and numb after a few minutes. When stimulation and rest periods follow each other, the relaxation is more effective.

Power pulsation

In the PA-method power pulsation is also used to prevent over stimulation. Continuous stimulation commonly causes numbness and contraction. Power pulsation means that within a fixed time sequence the volume of low frequency sound varies in a linear way to obtain a better muscle relaxation.

Direction

The computer causes the sound to circulate from the lower parts of the body upwards or in reverse direction. This ability to change direction appears to be beneficial, for example in the treatment of certain stress-related symptoms such as psychosomatic pains and muscle tensions. The movement causes a travelling sound pressure inside the body. This pressure activates both blood circulation and the flow of lymphatic fluid.

