The StatUS™ ultrasound treatment is the latest development in therapy and treatment comfort. StatUS™ stands for Stationary Ultrasound. In other words: ultrasound applied without moving the treatment head (= stationary). StatUS™-Therapy, developed by Enraf-Nonius in collaboration with international institutes, is an innovative way of applying ultrasound – in a stationary (static) way. This is a recent, unique method in physiotherapy. Normally, ultrasound energy is applied by moving the treatment head (the dynamic or semi-stationary method). The movement is necessary because within an ultrasound bundle, as well as in the tissue, certain symptoms may occur which could lead to tissue damage in the form of hotspots. For this reason, treatment with a stationary treatment head is rarely applied. StatUS™-Therapy, however, is a new treatment method that transforms the disadvantages of static ultrasound application into advantages for both the therapist and the patient.

One of the advantages of the Enraf-Nonius Sonopuls StatUS™ devices is that it provides more than stationary ultrasound alone: you can continue using the familiar, dynamic application.

Ultrasound is one of the best-known therapies within the physical technology. Ultrasound therapy is ideal for successfully treating injuries to connective tissue (collagen) with a high density (e.g. ligaments, tendons, fascia, joint capsules and scar tissue). Ultrasound can be applied thermally or non-thermally.

The thermal effect consists of heating the collagen tissue and is achieved most easily by using continuous ultrasound in combination with a high intensity.

The non-thermal effects occur at lower energy levels and in pulsed mode, with the aim of cell-up regulation. Non-thermal ultrasound is often used to speed up tissue repair by optimising the normal inflammation, proliferation and remodelling phase.

At a low dosage, (LIPUS) ultrasound clearly appears to have a stimulating effect on bone growth (accelerated fracture consolidation), as well as tendon and nerve repair, and promotes healing of acute and subacute inflammation. Low-intensity ultrasound is known as LIUS (Low-Intensity Ultrasound) or LIPOUS (Low-Intensity Pulsed Ultrasound).

With the new Sonopuls StatUS™ equipment from Enraf-Nonius you can work both thermally and a-thermally, depending on the set parameters. These devices are also ideally suited to LIPUS applications.
SONOPULS STATUS™

1600948 SONOPULS 692 S
Complete unit for
- StatUS™ therapy
- Traditional ultrasound therapy
- 2-channel electrotherapy
- Combination therapy (simultaneous ultrasound therapy and electrotherapy)

1600957 SONOPULS 692V S
As the Sonopuls 692 S (1600948), but also fitted with an integrated vacuum unit for easy application of vacuum electrodes with combination therapy and electrotherapy.

1600961 SONOPULS 690 S
- Unit exclusively for StatUS™ therapy.
- Very easy to use
- Safe and easy to use application

TECHNICAL SPECIFICATIONS
- Current channels: 2, independent, fully galvanically isolated
- Current types: 16 current types-36 variants
- Ultrasound frequencies: 1 and 3 MHz
- Ultrasound: continuous and pulsed
- StatUS: duty cycle modulation and amplitude modulation
- Pulse frequency / duty cycle: 100 Hz/ 5, 10, 20, 50, 80%-16 Hz / 20%-48 Hz / 20%
- Number of US connections: 2
- Number of vacuum electrode connections: 4
- Intensity: 0-2 W/cm² continuous, 0-3 W/cm² pulsed
- Programmable positions: unlimited
- Pre-programmed programmes: 60 items
- Supply voltage: 100-240 V ± 10% (50/60 Hz)
- Dimensions main unit: 39 x 37 x 12 cm (wxdxh)
- Weight: 4.75 kg
- Vacotron reservoir dimensions: 39 x 37 x 6 (wxdxh)
- Weight Vacotron reservoir: 1.5 kg
HOW DOES STATUS™ WORK?

To use stationary ultrasound, the treatment head needs to be fixed in some way. With the StatUSTM applicator, the head is positioned on the body quickly and easily, and the therapist determines the pressure with which the StatUSTM applicator is fixed to the body.

The ATUS controller (Air-to-Ultrasound), where ultrasound and vacuum meet, forms the connection between the StatUSTM applicator and the StatUSTM therapy device.

StatUSTM treatment is relatively simple. The parameters that need to be set do not differ substantially from the usual parameters for regular ultrasound treatment and can be selected quickly and easily.

StatUSTM ultrasound treatment differs from ‘traditional’ ultrasound treatment in terms of two (patented) forms of modulation:

• Duty Cycle Modulation
• Amplitude Modulation

These forms of modulation ensure that the intensity peaks in the ultrasound bundle are strongly diminished, that the chance of cavitation is reduced, and that the formation of hotspots is counteracted.

A special gelpad ensures good transference of the ultrasound energy. The gelpad is held in place with a fixing ring. The vacuum pressure creates a perfect seal between the body, the gel pad and the treatment head.

StatUSTM-therapy is also an ideal and effective treatment for conditions for which (retarded) tissue regeneration and function restoration are paramount. Particularly where it concerns a treatment time of up to 20 minutes, StatUSTM offers unprecedented advantages. For instance, when low-intensity ultrasound is used to accelerate the consolidation time of a fracture. Normally, this type of ultrasound application is time consuming and labour intensive. StatUSTM does this work for you, without compromising efficiency and effectiveness. StatUSTM makes your job faster, more targeted and more efficient.
SONOPULS STATUS™

- Fast and straightforward: StatUS™-therapy is instantly available and easy to set up.
- Time-saving: As StatUS™ is a hands-free therapy, the therapist has valuable extra time during treatment.
- Less labour intensive: As the therapist does not have to hold the head, the StatUS™ is ideally suited for long(er) treatments.
- Greater ease of use: Increased comfort for both the patient and the therapist.
- Less demanding: As the therapist does not have to hold the head, StatUS™ is less physically demanding.
- Efficient: The applicator is always at the right angle. The special gel pad follows the body's contours. This combination ensures an even and constant transfer of energy along the whole surface of the head.
- Effective: The set treatment time is also the effective treatment time. The set capacity is effectively transferred to the appropriate tissue.
- Safe: Special modulation forms ensure that undesired intensity peaks in the ultrasound bundle are considerably reduced, the chance of cavitation is reduced and the occurrence of hotspots is counter-acted.

HANDS-FREE ULTRASOUND MAKES A DIFFERENCE FOR PATIENT AND THERAPIST
ACCESSORIES STATUS™

STANDARD ACCESSORIES
- 3442941 Gelpad StatUS™ (240x)
- 3442942 Fixation ring gelpad StatUS™ (3x)
- 3440001 Screwdriver 6-series
- 3444020 Strap 100x3 cm
- 3444021 Strap 250x3 cm
- 1600810 Holder treatment head for 1 treatment head, 6-series
- 3442929 Contact-gel, bottle 250 ml, 1 piece
- 1460266 Moist pads for rubber electrode 6x8 cm, set of 4
- 3444290 Mains cable 230V-EUR
- 2 x 3444211 Patient cable 2-core & 2 mm male plug - black, with coloured clips
- 2 x 3444503 Vacuum electrodes Ø 60 mm, set of 2
- 3444505 Sponges Ø 65 mm, set of 4
- 2 x 3444507 Vacuum lead hose red
- 2 x 3444508 Vacuum lead hose black
- 3444078 Dummy plug
- 2 x 3444129 Rubber electrodes 6x8 cm, 2 mm female, 2pc.

- 3444290 Mains cable 230V-EUR
- 2 x 3444211 Patient cable 2-core & 2 mm male plug - black, with coloured clips
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- 3444505 Sponges Ø 65 mm, set of 4
- 2 x 3444507 Vacuum lead hose red
- 2 x 3444508 Vacuum lead hose black
- 3444078 Dummy plug
- 2 x 3444129 Rubber electrodes 6x8 cm, 2 mm female, 2pc.

(3) = The Sonopuls is delivered with 1 bottle of contact-gel. The article number 3442929 however represents a box of 12 bottles.

OTHER PRODUCTS THAT MIGHT INTEREST YOU

EN-CAR U
The EN-Car U is your companion for any piece of Enraf-Nonius equipment. For laser, ultrasound, biofeedback, shockwave or electrotherapy, with the EN-Car U you have it all close at hand.

ORDERING DATA
1468950 EN-Car U

Also see the separate product leaflets at WWW.ENRAF-NONIUS.COM/ELECTROTHERAPY

ULTRASOUND ACCESSORIES

STATUS ACCESSORIES
- 1601921 StatUS™ Applicator / Ultrasound treatment head (5 cm²), 1 & 3 MHz
- 3442941 Gelpad StatUS™ (240x)
- 3442942 Fixation ring gelpad StatUS™ (3x)

MULTIFREQUENCY TREATMENT HEAD
- 1601901 Multifrequency treatment head 1 & 3 MHz, large (5 cm²)
- 1601911 Multifrequency treatment head 1 & 3 MHz, small (0.8 cm²)

TREATMENT HEAD HOLDER
- 1600810 Holder treatment head for 1 head, 6-series
- 1600811 Holder treatment head for 2 heads, 6-series

ULTRASOUND CONTACT-GEL
- 3442929 Contact-gel, bottle 250 ml, box of 12
- 3442930 Contact-gel, bottle 850 ml, box of 12
- 3442931 Contact-gel, canister of 5 l
- 3442932 Dispenser-set for 5 l canister
ELECTRODES AND MOIST PADS

ADHESIVE ELECTRODES
- EN-Trode Ø 2.2 cm, 2 mm female, 10 sheets of 8 (also for EMG)
- EN-Trode Ø 3.2 cm, 2 mm female, 10 sheets of 4
- EN-Trode Ø 5.0 cm, 2 mm female, 10 sheets of 4
- EN-Trode 5x5 cm, 2 mm female, 10 sheets of 4
- EN-Trode 5x9 cm, 2 mm female, 10 sheets of 4

RUBBER ELECTRODES
- Rubber electrodes 4x6 cm, 2 mm female, set of 2
- Rubber electrodes 6x8 cm, 2 mm female, set of 2
- Rubber electrodes 8x12 cm, 2 mm female, set of 2
- Silicon electrode 5x5 cm TENS, 2 mm female

MOIST PADS FOR RUBBER ELECTRODES
- Moist pads for rubber electrodes 4x6 cm, set of 4
- Moist pads for rubber electrodes 6x8 cm, set of 4
- Moist pads for rubber electrodes 8x12 cm, set of 4

FIXATION STRAPS
- Strap 100x3 cm
- Strap 250x3 cm
- Strap 100x5 cm
- Strap 250x5 cm

POINT ELECTRODE
- EN-Point, for making s/d curves

VACUUM ACCESSORIES VACOTRON 460
- Vacuum electrodes Ø 30 mm, set of 2
- Vacuum electrodes Ø 60 mm, set of 2
- Vacuum electrodes Ø 90 mm, set of 2
- Sponges Ø 30 mm, set of 4 (for vacuum electrodes Ø 30 mm)
- Sponges Ø 65 mm, set of 4 (for vacuum electrodes Ø 60 mm)
- Sponges Ø 95 mm, set of 4 (for vacuum electrodes Ø 90 mm)
- Vacuum lead hose, red
- Vacuum lead hose, black
- Dummy plug

PATIENT CABLES AND ADAPTER PLUGS
- Patient cable 2-core & 2 mm male plug - black, with coloured clips

ADAPTERS
- Adapter plug, 2 mm female, 4 mm male, red
- Adapter plug, 2 mm female, 4 mm male, black

REMOTE CONTROLS
- Remote control, 2 channels for 182, 482, 492 and 6-series