

celluloderm®2000

Traditions

The celluloderm®, the body shaping and face lifting instrument of Dr Derm device family with unique characteristics, was designed more than a decade ago. The larger and larger need for body treatments and the favourable experiences achieved with the device had forced us to continue to develop this instrument already used in more hundreds beauty salons all over the world.

The renewed exterior hides a new interior

During the further development of the celluloderm® device we set three objectives: the improvement of effectiveness, the more extensive applicability and unaltered dimensions. We have reached the improvement of effectiveness through the doubling of the number of channels (4 channels, 16 electrodes) and the increase of the performance by almost a 50%. We offer a more extensive applicability of the device through the new treatment programs, and the new type of electrodes for the face and body.

We have considered the unaltered dimensions to be important because of the conception of device family: thus the celluloderm®-4 RC muscle stimulator and body shaper instrument with computer could be fitted into the mounting for our devices as well.



Stimulating current and interference current

Stimulating currents are those current forms, which cause the muscles to contract - holds the old definition.

The temporally interrupted direct current with a frequency between 10-100 Hz really evokes a muscle contraction. However, the skin resistance to low frequency currents is very high, and the current also stimulates the receptors of pain, which restricts efficiency. The more intensive current you conduct into the skin through the electrodes, the more effective muscle contractions you can evoke - and the more uncomfortable sensation, however.

Currents in the middle frequency range (e.g. over 1000 Hz) penetrate into the skin more easily, thus they got to the focus of attention. If two currents of different frequency (e.g. 3950 Hz and 4000 Hz) are directed to a given area so that they are crossing each other, then a resulting vibration of 50 Hz appears, accompanied by its characteristic physiological effects.

The result is phenomenal: the efficiency of interference current surpasses that of the traditional stimulating current.

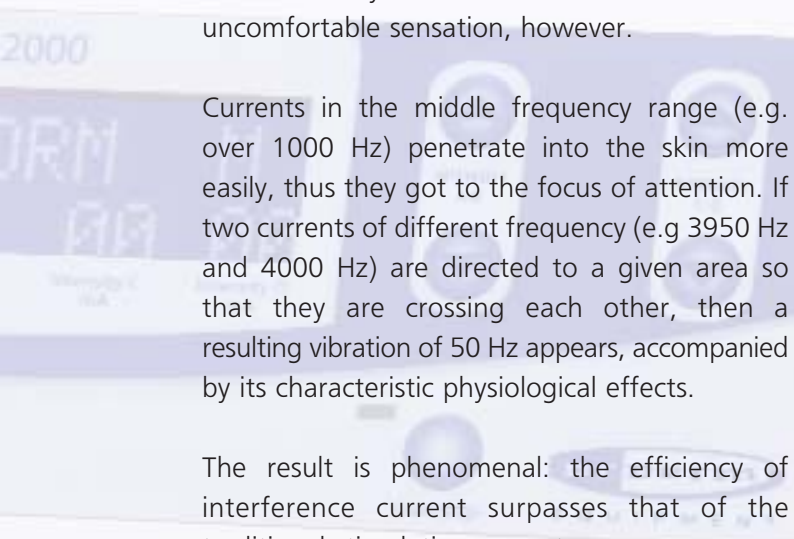
Versatility and effectiveness

Additional ones complete the muscle-strengthening effect: the current stimulates metabolism and has a positive influence on the function of other tissues as well.

A typical example is the effect made through the LDL-receptors on fat metabolism: the interference current inhibits the cholesterol transport in the cells, reducing the accumulation of fat inside the cell, which finally leads to loss of excess fat.

Sympathetic stimulation causes the release of free fatty acids in the subcutaneous region, which also has a lipolytic effect. Electrical stimulation affects blood flow and lymph flow as well, and reduces oedema. Owing to its effect on keratinocytes, it enhances the maturation of cells, thus stimulates skin regeneration.

The end result is a thinner fatty tissue, better muscle tone and more flexible skin.



Pleasant flow

By using the new device we can forget the misbelief that efficient body shaping would require powerful electric and a jungle of wires. Unlike traditional instruments using stimulating current, this new device doesn't cause reddening of the skin under the electrodes; there is no sensation of electrical effect even during longer treatment sessions.

The principle of treatment with the celluloderm® 2000-4 RC device, which is based on the physiological effects of interference current, would convince every user. There is neither sudden contraction of muscles in the treated area nor reddening of the skin under the electrodes, and we don't have to "sacrifice" the effectiveness for painlessness, either. The interference current doesn't cause powerful reactions of vessels and doesn't stimulate the receptors of pain, either, thus we shouldn't be afraid of inconveniences.

Computer control

The client wants maximum efficiency. The beautician, however, wants exciting treatments alloying her/his manual skills with her/his radiation from inside, and also a perfect utilisation of the treatment time. Thus, every minute spent with the body shaping instrument seems to be a waste of time...

It would be the best to leave alone the client, who wants to lose weight, and let an automatic instrument deal with her/him.

This is exactly what you can do with the celluloderm® 2000-4 RC device: the integrated microcomputer really controls each treatment parameter, and makes the necessary settings automatically.

Treatment programs

The device uses the oscillation number that best suits to the given treatment objective, thus separate treatment programs are available for enhancing lymph flow (**LYMPH DRAIN**), strengthening the muscles without exercise (**MUSCLE PLUS**), reducing the mass of fat tissue, and removal of obstinate excess fat (**FAT LOSS, LYPOLISIS**), reducing the inconvenient symptoms of cellulite (**CELLULITE**), body shaping after child birth (**POST PARTUM**), or further body shaping in addition to sport activity (**BODY FORM, FITNESS**). Treatment of the face and neck is assisted by face lifting and double chin reducing programs.



Wellness

The wellness, the overall conception of health and beauty of our time, prefers the electro-cosmetic treatment without direct effect of electricity. However, in the unanimous opinion of the specialists, the interference current, which penetrates painless into the skin, makes a unique exception.

That's why we have developed the WELLNESS program, which makes the world of wellness to be perfect by relaxing, but in the level of cells stimulating forms of oscillation.

Remote control of intensity

Body shaping treatment with electric current has an interesting feature, which can't even be eliminated by automation - i.e. computer control. The tissues of the treated area get accustomed to the treating current, so amperage must be adjusted - depending on individual characteristics of the client - from time to time. At this point the beautician - interrupting her/his work at another treating bed - hurries to the client being treated with the device.

Maybe experienced client is asked to press the appropriate buttons of the device (though this isn't easy if the device is out of reach of the client).

The remote control of intensity developed for the celluloderm® 2000-4 RC device solves this problem. With the help of the unit placed in the client's hand, the intensity of the current of the four channels may be adjusted separately, depending of the sensation of comfort.

Treatment may be temporarily suspended by pressing the SAFETY STOP button: the availability of an emergency stop will thus surely lay the client's fears, if any.

Technical details:

Output amperage:

by channels 0-60 mAeff
(in 1 mA steps)

Treatment time: 1-50 minutes
(in 1 minute steps)**Dimensions:** 230 x 200 x 85 mm**Weight:** 3 kg