Med&Life®

Established 1995

CATALOGUE

Viofor® JPS SYSTEM

We are a manufacturer and supplier of medical devices
for physiotherapy, using pulsed magnetic field and light radiation.

MEDICAL DEVICES FOR:
LED THERAPY
PULSED MAGNETIC FIELD THERAPY
PULSED MAGNETIC FIELD STIMULATION
PULSED MAGNETIC FIELD LED THERAPY / COMBINATION THERAPY

Polski
Produkt
Przyszłości

TÜV NORD Polska PN-EN ISO 13485

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Viofor JPS System

CONTROL UNITS

Viofor JPS System Classic
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Viofor JPS System Delux
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PULSED MAGNETIC FIELD APPLICATORS

Mat 6S
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Mat 3S
REF. 1040 (page 14)

Mat 2S
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Pad 1S
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Spot S applicator
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Spot Z applicator
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Ring R300
REF. 1099 (page 16)

Ring R400
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Ring R500
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Clinical applicator
REF. 1061 (page 22)

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REF. 1068 (page 26)

LED THERAPY AND PULSED MAGNETIC FIELD LED THERAPY APPLICATORS

Ellipse LED R
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Ellipse LED R+IR
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Panel LED 192 IR
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Panel LED 280 R+IR
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Panel LED 560 IR
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Spot LED-PDT applicator
REF. 1553 (page 29)

OTHER ACCESSORIES

Light stand
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Table stand
REF. 1071 (page 34)

Adapter
REF. 1073 (page 34)

Magnetic field indicator MFI 01
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Connector for car cigarette lighter
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Safety goggles
REF. 1086 (page 34)

Power supply
REF. 1094 (page 35)

Remote control Clinic/Delux
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Remote control Classic
REF. 1072 (page 35)

PULSED MAGNETIC FIELD STIMULATION, PULSED MAGNETIC FIELD THERAPY

Viofor JPS System devices generate an extremely low-frequency magnetic field (ELF-MF), which causes changes in the body that are similar to those caused by physical activity (physical exertion, physical movement), thereby supporting biological regeneration.

The Pulsed Magnetic Field Stimulation excites electromotive forces in the organism that are well-matched and enable the body to maintain a balanced condition (homeostasis) and, if disturbed, to stimulate the body's return to normal condition.

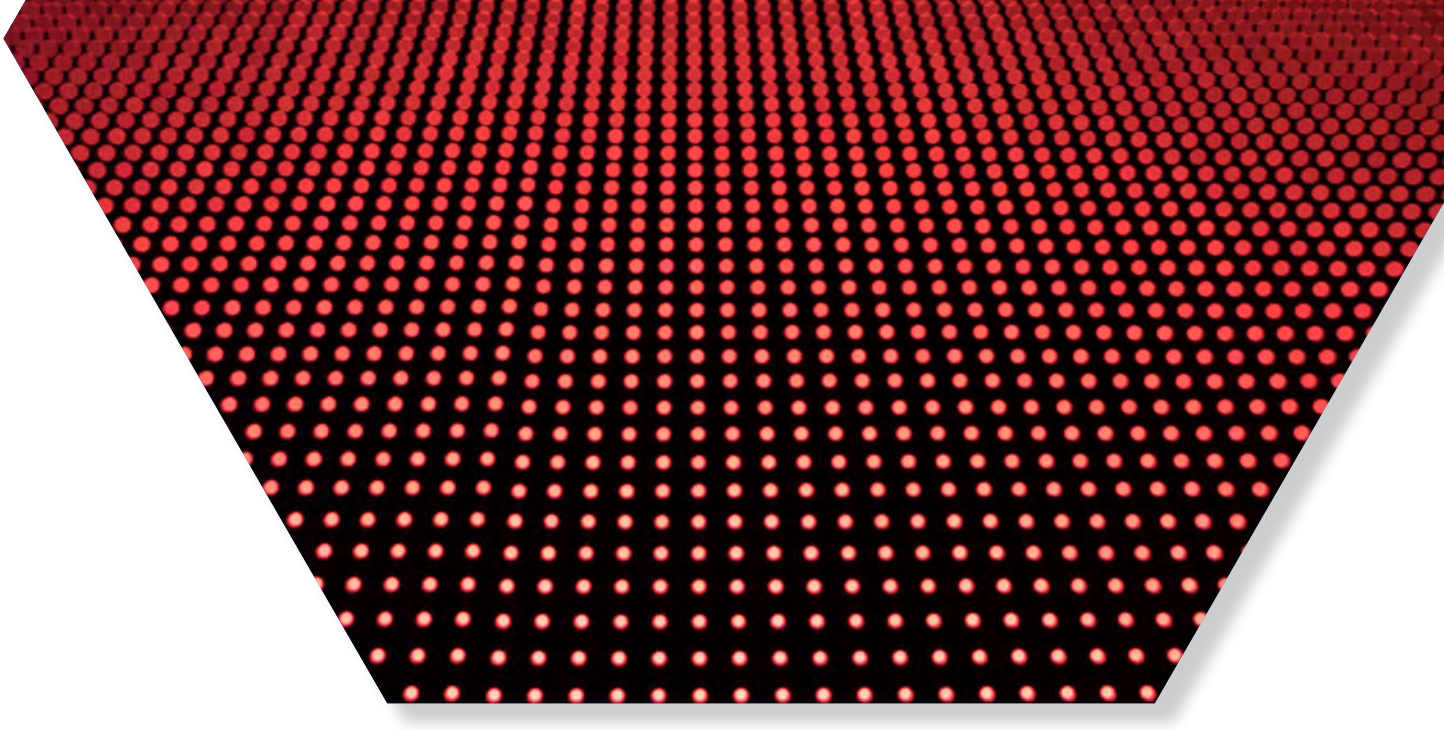
The main biological effects of the Pulsed Magnetic Field Stimulation are as follows: analgesic, regenerative, anti-inflammatory, antispastic, vasodilatatory, angiogenetic, stabilizing cell membranes, relaxative.

Electromagnetic radiation can affect the body in different ways. It can have thermal and non-thermal effects depending on the amount of energy absorbed. The non-thermal effects include bioelectric, biochemical and bioenergetic changes which are the most important in the Pulsed Magnetic Field Stimulation due to the low values of magnetic induction.

The bioelectric effect normalizes cell membrane potential. In pathological cases the potential decreases due to the penetration of positive ions, e.g. NA+, through the cell membranes to the cell interior. The cell needs energy to reverse this process which is released from the hydrolysis of ATP.

The biochemical effect is based on increased enzyme activity as well as the oxidoreduction processes related to ATP.

The bioenergetic effect stimulates the nutrition and growth of cells and regulates intercellular processes leading to regeneration of the organism.



Light energy therapy and combination therapy

LED THERAPY, PULSED MAGNETIC FIELD LED THERAPY

Pulsed Magnetic Field LED Therapy means the combined application of Pulsed Magnetic Field Stimulation and LED Therapy. It is a form of phototherapy based on the use of the energy of non-coherent and non-polarized light in the visible and near-infrared range.

Pulsed Magnetic Field LED Therapy in Viofor JPS System devices uses red and infrared optical radiation with energy powers similar to those of low and medium energy lasers. The pulses of optical radiation are synchronized with the pulses of the magnetic field.

Light energy has a mainly topical effect on tissue. Its penetration inside the body depends on the light's wavelength. Tissue reaction depends on energy absorption in each tissue layer. The absorption effectiveness is mainly affected by the thickness of the tissue, in each tissue layer, blood supply and blood flow, water content and the presence of pigment.

Infrared reactions start as cell membrane level, and reactions to red light – in mitochondria.

At the tissue level, the biological effect of ELF-MF and light energy are of a similar nature. When applying Pulsed Magnetic Field Stimulation together with light, a synergy effect can be expected, depending on the individual characteristics.

Viofor JPS System Delux REF. 1035

PULSED MAGNETIC FIELD STIMULATION **PULSED MAGNETIC FIELD LED THERAPY**

Control unit Delux offers two forms of therapy: Pulsed Magnetic Field Stimulation and synchronous Pulsed Magnetic Field LED Therapy. A wide range of applicators allows you to configure the Viofor set to different conditions of use and forms of treatment. Stationary or portable sets are available, as well as applicators with different application areas - spot, small and large surfaces. The controller is equipped with three sockets to connect the applicators and a system of their recognition, facilitating the selection of the right applicator. The Delux control unit can store treatment settings and can be operated remotely with the remote control.

SETTINGS – PULSED MAGNETIC FIELD STIMULATION

Treatment parameters – complex shape pulses with multi-peak structure, resulting in multiple signals across a frequency spectrum set by a combination of three programs (P1, P2, P3) and three ways of application (M1, M2, M3).

Therapy intensity – thirteen levels of application intensity (magnetic induction level): from 0,5 to 12.

Treatment time - automatically set after selecting the therapy parameters 8 min/10 min/12 min. The multiplier of the treatment running time: x1, x2, x3 is available.

SETTINGS – SYNCHRONOUS PULSED MAGNETIC FIELD LED THERAPY

Parameters regulation - joint regulation of light energy and magnetic field intensity from 0.5 to 12. Available light energy lengths:

- red light 630 nm,
- infrared radiation 855 nm,
- mixed red/infrared light 630 nm and 855 nm.

TECHNICAL DATA - PAGE 36

WORKS WITH PULSED MAGNETIC FIELD APPLICATORS

Applicators for Pulsed Magnetic Field Stimulation generate a low-frequency magnetic field (ELF-MF). Applicators differ in application surface and magnetic field intensity.

Mat 6S
REF. 1042 (page 14)

Mat 3S
REF. 1040 (page 14)

Mat 2S
REF. 1047 (page 14)

Pad 1S
REF. 1045 (page 15)

Pad 1SE
REF. 1048 (page 15)

Pad 2S
REF. 1046 (page 15)

Ellipse MS
REF. 1054 (page 18)

Spot S applicator
REF. 1056 (page 18)

Spot Z applicator
REF. 1057 (page 18)

Ring R300
REF. 1099 (page 16)

Ring R400
REF. 1098 (page 16)

Ring R500
REF. 1121 (page 16)

Clinical applicator
REF. 1061 (page 24)

WORKS WITH PULSED MAGNETIC FIELD LED THERAPY APPLICATORS

Pulsed Magnetic Field LED Therapy is a combination of two forms of therapy: Pulsed Magnetic Field Stimulation and LED therapy. Magnetic-light applicators generate:

- pulsed LED radiation: red light (R) with a wavelength of 630 nm, infrared radiation (IR) with a wavelength of 855 nm or both forms of radiation simultaneously (R+IR),
- low-frequency pulsed magnetic field.

Ellipse LED R
REF. 1065 (page 21)

Ellipse LED R+IR
REF. 1067 (page 20)

Ellipse LED IR
REF. 1066 (page 21)

Panel LED 280 R+IR
REF. 1097 (page 20)

OPTIONAL ACCESSORIES

Safety goggles
REF. 1086 (page 34)

Adapter
REF. 1073 (page 34)

Light stand
REF. 1087 (page 34)

Table stand
REF. 1071 (page 34)

Remote control Clinic/Delux
REF. 1077 (page 35)

Viofor JPS System Classic REF. 1031

TECHNICAL DATA - PAGE 36

PULSED MAGNETIC FIELD STIMULATION

Control unit Classic is designed to perform Pulsed Magnetic Field Stimulation treatments to treat or alleviate the course of diseases and rehabilitation.

A wide range of applicators allows adjusting the Viofor set to different conditions of use and the form of treatment. Applicators are available in various application areas - spot, small and large areas.

Control unit Classic is equipped with three sockets to connect the applicators. It can be operated remotely using a remote control.

SETTINGS – PULSED MAGNETIC FIELD STIMULATION

Treatment parameters – complex shape pulses with multi-peak structure, resulting in multiple signals across a frequency spectrum set by a combination of three programs (P1, P2, P3) and three ways of application (M1, M2, M3).

Therapy intensity – thirteen levels of application intensity (magnetic induction level): from 0,5 to 12.

Treatment time – automatically set after selecting the therapy parameters 8 min/10 min/12 min. The multiplier of the treatment running time: x1, x2, x3 is available.

Polarization – automatic change in the direction of the magnetic field.

WORKS WITH PULSED MAGNETIC FIELD APPLICATORS

Applicators for Pulsed Magnetic Field Stimulation generate a low-frequency magnetic field (ELF-MF). Applicators differ in application surface and magnetic field intensity.

Mat 6S
REF. 1042 (page 14)

Mat 3S
REF. 1040 (page 14)

Mat 2S
REF. 1047 (page 14)

Pad 1S
REF. 1045 (page 15)

Pad 1SE
REF. 1048 (page 15)

Pad 2S
REF. 1046 (page 15)

Ellipse MS
REF. 1054 (page 18)

Spot S applicator
REF. 1056 (page 18)

Spot Z applicator
REF. 1057 (page 18)

Ring R300
REF. 1099 (page 16)

Ring R400
REF. 1098 (page 16)

Ring R500
REF. 1121 (page 16)

Clinical applicator
REF. 1061 (page 24)

OPTIONAL ACCESSORIES

Remote control Classic
REF. 1072 (page 35)

Adapter
REF. 1073 (page 34)

Viofor JPS System Family REF. 1036

TECHNICAL DATA - PAGE 38

PULSED MAGNETIC FIELD STIMULATION

Control unit Family performs Pulsed Magnetic Field Stimulation to treat or alleviate the course of diseases and rehabilitation. It has been designed to be used at home and where frequent transport is required.

For ease of use, the choice of settings has been adapted for home users.

SETTINGS - PULSED MAGNETIC FIELD STIMULATION

Type of treatment

THERAPY mode is designed to support the treatment of diseases, for local and large areas.

WELLNESS mode is a treatment for daily regeneration of the whole body with mat applicators.

Treatment period – Family control unit provides three periods (I, II, III) according to the duration of the therapy

Daytime – selection between treatments performed during the day or in the evening.

Intensity of the treatment – each time selected automatically depending on the selected functional settings, with the possibility of reducing or increasing the intensity manually.

Duration of the treatment – (10 min/12 min) is set automatically depending on the selected functional settings. The multiplier of the treatment running time: x1, x2, x3 is available.

Physical condition of the user – the choice between healthy, sick or weakened and a child.

WORKS WITH PULSED MAGNETIC FIELD APPLICATORS

Applicators for Pulsed Magnetic Field Stimulation generate an low-frequency magnetic field (ELF-MF). Applicators differ in application surface and magnetic field intensity.

Mat 6S
REF. 1042 (page 14)

Mat 3S
REF. 1040 (page 14)

Mat 2S
REF. 1047 (page 14)

Pad 1S
REF. 1045 (page 15)

Ellipse MS
REF. 1054 (page 18)

Spot S applicator
REF. 1056 (page 18)

Spot Z applicator
REF. 1057 (page 18)

Pad 1SE
REF. 1048 (page 15)

Pad 2S
REF. 1046 (page 15)

OPTIONAL ACCESSORIES

Adapter
REF. 1073 (page 34)

Power supply
REF. 1094 (page 35)

Connector for car cigarette lighter
REF. 1093 (page 35)

Viofor JPS System Family+ REF. 1037

TECHNICAL DATA - PAGE 38

Control unit Family+ has the additional feature of saving treatment parameters together with the applicator for up to four users. This makes it possible to easily implement a therapy plan or use the Viofor set by several people.

The remaining features are identical to those of the control unit Family.

Flat applicators - mat

Mats are flat applicators designed for whole body treatments. They generate pulsed heterogeneous magnetic field. The mats can be folded for more convenient storage or handling. Mat 3S and 6S can be combined with ring and pad applicators in order to perform the treatment with two applicators at one time.

Works with control unit: FAMILY | CLASSIC | DELUX | CLINIC

Therapies: PULSED MAGNETIC FIELD STIMULATION

TECHNICAL DATA - PAGE 40

Mat 3S (REF. 1040)

The Mat 3S consists of three sections, allowing folding. It is possible to perform a combined treatment with a pad or ring applicator.
Dimensions: 180 cm x 65 cm x 3 cm.
Dimensions after folding: 65 cm x 60 cm x 9. cm.

Mat 6S (REF. 1042)

The Mat 6S consists of six sections, it takes up less space after folding. It is possible to perform a combined treatment with a pad or ring applicator.

Dimensions: 180 cm x 55 cm x 1.8 cm.
Dimensions after folding: 55 cm x 30 cm x 13 cm.

Mat 2S (REF. 1047)

Mat designed to perform treatments in the sitting position, after unfolding you can perform treatments in a lying position.
ATTENTION: it is not possible to perform a combined treatment with a ring or pad applicator.

Dimensions: 92 cm x 48 cm x 2 cm.
Dimensions when folded: 51 cm x 48 cm x 4 cm.

APPLICATION

For the whole-body treatment. Activity: analgesic, regenerative, improving peripheral activity, antispastic. **They are used in rehabilitation and treatment** of such diseases as:

- spondylosis of the spine and osteoarticular system of the upper and lower limbs,
- rheumatoid arthritis (RA),
- ankylosing spondylitis,
- osteopenia and osteoporosis,
- migrains,
- extensive burns, extensive bedsores,
- conditions after apoplexy,
- degenerative diseases of the nervous system, accompanied by spasticity,
- neuroses,
- sleep disorders,
- stress, particularly after long-term psychic/mental tension,
- concentration disturbances,
- after sports training and in biological regeneration.

Flat applicators – pad

Pads are flat applicators dedicated for local use, e.g. on the feet, knees, back, abdominal area or under the head. They generate pulsating heterogeneous magnetic field. The treatment can be performed together with the mat 3S and 6S, to increase the effectiveness of therapy.

Works with control unit: FAMILY CLASSIC DELUX CLINIC

Therapies: PULSED MAGNETIC FIELD STIMULATION

TECHNICAL DATA - PAGE 40

Pad 1SE (REF. 1048)

Pad with one magnetic module and dimensions of 50 cm x 28 cm. Designed for use, e.g. on the feet, knees, back, abdomen or under the head. It is possible to perform a combined treatment with applicators mat 3S or 6S.

Pad 1S (REF. 1045)

Pad with one magnetic module and dimensions of 55 cm x 25 cm. Designed for use, e.g. on the feet, knees, back, abdomen or under the head. It is possible to perform a combined treatment with applicators mat 3S or 6S.

Pad 2S (REF. 1046)

Pad with two magnetic modules and dimensions of 51 cm x 57 cm x 2,5 cm. It is intended for use on larger body surfaces, e.g. on the back or abdominal area. It is possible to perform a combined treatment with applicators mat 3S or 6S.

APPLICATION

For the treatment of small and medium surfaces. Activity: analgesic, regenerative, improving peripheral activity, anti-spastic. **They are used in rehabilitation and treatment** of such diseases as:

- spondylosis of the spine and osteoarticular system of the upper and lower limbs,
- joint injuries,
- extra articular rheumatism (so-called fibromyalgia),
- soft tissue injuries and conditions after injury (interruption) to the continuity of tissue (including post-surgical),
- migraines,
- conditions after bone crack and fracture,
- conditions after operations on bone structure
- burns, bedsore, pseudarthrosis,
- conditions after injury with or without damage to skin continuity,
- diabetic and atherosclerotic angiopathy,
- curural ulceration and haemathomas,
- conditions after apoplexy,
- degenerative diseases of the nervous system accompanied by spasticity.

Ring applicators

Ring applicators generate a pulsed homogeneous magnetic field with the lines parallel to the applicator axis and the patient's body. Treatments performed with ring applicators can be combined with mat 3S or 6S.

Ring applicators are intended for local use: for upper and lower limbs, in the area of the head, in the area of the lumbar spine in a sitting position.

Works with control unit: CLASSIC DELUX CLINIC

Therapies: PULSED MAGNETIC FIELD STIMULATION

Ring R300 (REF. 1099)

The ring R300 ring is the smallest ring available in our offer. Its internal diameter is 25 cm. It is mainly designed for treatment on a limb. It allows you to perform the procedure combined with the applicator - 3S or 6S mat.

- outside / inside diameter: 37 cm / 25 cm
- depth - 20 cm

Ring R400 (REF. 1098)

The ring R400 is designed for treating limb or head area (eg. In dentistry), and cervical spine. Its internal diameter is 39 cm. It allows you to perform the procedure combined with the applicator - 3S or 6S mat.

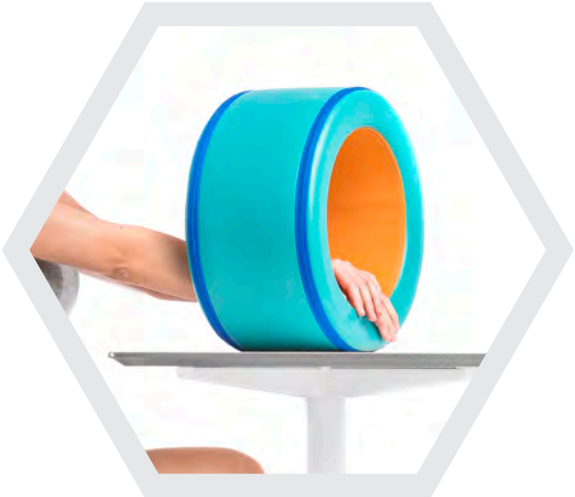
- outside / inside diameter: 49 cm / 39 cm
- depth 24 cm

Ring R500 (REF. 1121)

The ring R500 intended for treatment in the region of the lumbar spine while seated or limb. Its internal diameter is 44 cm. It allows you to perform the procedure combined with the applicator - 3S or 6S mat.

- outside / inside diameter: 58 cm / 44 cm
- depth 30 cm

TECHNICAL DATA - PAGE 40



APPLICATION

For the treatment of small and medium surfaces. Activity: analgesic, regenerative, improving peripheral activity, antispastic. **They are used in rehabilitation and treatment** of such diseases as:

- spondylosis of the spine and osteoarticular system of the upper and lower limbs,
- joint injuries,
- extra articular rheumatism (so-called fibromyalgia),
- soft tissues injuries and conditions after injury (interruption) to the continuity of tissue (including post-surgical),
- migraines,
- conditions after bone crack and fracture,
- conditions after operations on bone structure
- burns, bedsores,
- pseudarthrosis,
- conditions after injury with or without damage to skin continuity,
- diabetic and atherosclerotic angiopathy,
- curural ulceration and haemathomas,
- conditions after apoplexy,
- degenerative diseases of the nervous system accompanied by spasticity.

Topical applicators

Applicators designed for use on small and medium surfaces. Spot applicators are used in cases when a narrow beam of a significant magnetic field is required.

Works with control unit: FAMILY | CLASSIC | DELUX | CLINIC

Therapies: PULSED MAGNETIC FIELD STIMULATION

TECHNICAL DATA - PAGE 40

Ellipse MS (REF. 1054)

The elliptic applicator is intended for local use on small body surfaces (small and medium joints, dental cases). Equipped with a strap to attach e.g. on the limbs.

The surface of the application is about 20 cm^2 (a circle with a diameter of approx. 5 cm).

Spot S applicator (REF. 1056)

This applicator is to be used for spot application. It is used in cases when a narrow beam of significant magnetic field is required.

The surface of the application is approx. 1 cm^2.

Spot Z appicator (REF. 1057)

(Z=10xS) Spot Z applicator with ten times higher induction than the Spot S applicator. Used for local application after the recommendation of physician or physiotherapist. This applicator is to be used for spot application. It is used in cases when a narrow beam of significant magnetic field is required.

The surface of the application is approx. 1 cm^2.

APPLICATION

For the treatment of small and medium surfaces. Activity: analgesic, regenerative, improving peripheral activity, antispastic. **They are used in rehabilitation and treatment** of such diseases as:

- joint injuries,
- extra articular rheumatism (so-called fibromyalgia),
- soft tissue injuries and conditions after injury (interruption) to the continuity of tissue (including post-surgical),
- conditions after bone crack and fracture,
- conditions after operations on bone structure
- pseudarthrosis,
- conditions after injury with or without damage to skin continuity,
- burns, bedsore,
- diabetic and atherosclerotic angiopathy,
- crural ulceration,
- haemathomas.

Application in dentistry:

- periapical tooth inflammation,
- nerve damage, complications after anesthesia,
- complication after dental surgery,
- complication after endodontic treatment,
- dry socket,
- enhanced of orthodontic treatment.

LED applicators

TECHNICAL DATA - PAGE 41-44

Magnetic-light applicators are used to perform pulsed magnetic field led therapy treatments of small and medium surfaces. The panel applicator can be mounted on a table stand and the elliptical applicators can be fixed with straps.

Works with control unit: DELUX | CLINIC | MAGNETICLIGHT

Therapies: PULSED MAGNETIC FIELD STIMULATION | PULSED MAGNETIC FIELD LED THERAPY

Panel LED 280 R+IR (630 nm / 855 nm) (REF. 1097)

The application surface is 280 cm^2. The application area is evenly exposed to red light (wavelength 630 nm), infrared radiation (wavelength 855 nm) and low induction magnetic field. The applicator has both a shallow and deep effect on the treated tissue.

Ellipse LED R+IR (630 nm / 855 nm)

(CLINIC, DELUX - REF. 1067 / MAGNETICLIGHT - REF. 1044)

The application surface is approx. 20 cm^2 (circle with a diameter of approx. 5 cm). The area of application is evenly exposed to red light (wavelength 630 nm) and infrared radiation (wavelength 855 nm) with simultaneous interaction of low induction magnetic field. The applicator has both a shallow and deep effect on the treated tissue.

APPLICATION

For the treatment of small and medium surfaces. Activity: analgesic, regenerative, improving peripheral activity, antispastic. **They are used in rehabilitation and treatment** of such diseases as:

Osteoarticular system diseases:
- spondylosis of the spine and osteoarticular system of the upper and lower limbs,
- pain syndromes of various aethiology,
- injuries of osteoarticular system,
- chronic and subacute arthritis,
- rheumatoid arthritis (RA) and ankylosing spondylitis.

Soft tissue diseases:
- soft tissue injuries,
- chronic and subacute arthrisis.

Neurological diseases:
- neuralgia (intercostal neuralgia, trigeminal neuralgia, post herpetic neuralgia),
- sciatica.

Skin diseases:
- delayed heling of wound, ulceration and bedsore,
- herpes zoster.

Can be used in dermatology and aesthetic medicine.

Ellipse LED R (630 nm) (CLINIC, DELUX - REF. 1065 / MAGNETICLIGHT - REF. 1043)

The application area is evenly exposed to red light (wavelength 630 nm), while the magnetic field of low induction is applied. Thanks to that, the applicator affects both shallow and deep tissues subjected to the treatment. The area of application is about 20 cm^2 (circle with a diameter of about 5 cm).

Ellipse LED IR (855 nm) (REF. 1066)

The application area is evenly exposed to infrared radiation (wavelength 855 nm), with simultaneous exposure to low induction magnetic field. Thanks to this, the applicator acts both shallow and deep on the treated tissues. The area of application is about 20 cm^2 (circle with a diameter of about 5 cm).

APPLICATION

For the treatment of small and medium surfaces. Activity: analgesic, regenerative, improving peripheral activity, antispastic.

Due to the impact of red light, it is applied mainly on skin diseases.

Skin diseases:
- delayed heling of superficial wound, ulceration and bedsore,
- acne vulgaris,
- herpes zoster,
- first-degree burns.

It can be used in dermatology and aesthetic medicine.
Due to the influence of magnetic field it is used mainly in rehabilitation and treatment as well as in dentistry (the range of applications is analogous to that of an elliptical applicator - page 18).

APPLICATION

For the treatment of small and medium surfaces. Activity: analgesic, regenerative, improving peripheral activity, antispastic.

As a result of the infrared light applied mainly in osteoarticular system, soft tissues and neurological diseases.

Osteoarticular system diseases:
- spondylosis of the spine and osteoarticular system of the upper and lower limbs,
- pain syndromes of various aethiology,
- injuries of osteoarticular system,
- chronic and subacute arthritis,
- rheumatoid arthritis (RA) and ankylosing spondylitis.

Soft tissue diseases:
- soft tissue injuries,
- chronic and subacute arthrisis.

Neurological diseases:
- neuralgia (intercostal neuralgia, trigeminal neuralgia, post herpetic neuralgia),
- sciatica.

TECHNICAL DATA - PAGE 41-44

Viofor JPS System Clinic REF. 1033

PULSED MAGNETIC FIELD STIMULATION | **PULSED MAGNETIC FIELD THERAPY** | **PULSED MAGNETIC FIELD LED THERAPY**

Control unit Clinic offers three forms of therapy: Pulsed Magnetic Field Stimulation, Pulsed Magnetic Field Therapy and synchronous Pulsed Magnetic Field LED Therapy. A wide range of applicators allows to configure the Viofor set to different conditions of use and forms of treatment. Stationary or portable sets are available, as well as applicators with different application surfaces - spot, small and large surfaces. The control unit is equipped with three sockets to connect the applicators and a system of their recognition, facilitating the selection of the right applicator. The Clinic control unit enables saving treatment settings and can be remotely operated with the use of a remote control.

SETTINGS - PULSED MAGNETIC FIELD STIMULATION

Treatment parameters – complex shape pulses with multi-peak structure, resulting in multiple signals across a frequency spectrum set by a combination of three programs (P1, P2, P3) and three ways of application (M1, M2, M3).

Therapy intensity – thirteen levels of application intensity (magnetic induction level): from 0,5 to 12.

Treatment time – automatically set after selecting the therapy parameters 8 min/10 min/12 min. Multiplier of the treatment running time: x1, x2, x3.

Polarization – automatic change in the direction of the magnetic field.

TECHNICAL DATA - PAGE 37

SETTINGS – SYNCHRONOUS PULSED MAGNETIC FIELD LED THERAPY

Parameters regulation – joint regulation of light energy and magnetic field intensity from 0.5 to 12. Available light energy lengths:

- red light 630 nm,
- infrared radiation 855 nm,
- mixed red/infrared light 630 nm and 855 nm.

SETTINGS – PULSED MAGNETIC FIELD THERAPY

Program – three wave shapes: sinusoidal, triangular, rectangular.

Frequency – regulation of frequency from 5-40 HZ with 5 Hz step.

Therapy intensity – thirteen application intensity levels, from 0.5 to 12.

Treatment time – from 10 – 30 min with 5 min step.

WORKS WITH PULSED MAGNETIC FIELD THERAPY

Applicator for magnetotherapy works only with the Clinic control unit.

Dual-discs MT
REF. 1068 (page 26)

WORKS WITH PULSED MAGNETIC FIELD APPLICATORS

Applicators for Pulsed Magnetic Field Stimulation generate an low-frequency magnetic field (ELF-MF). Applicators differ in application surface and magnetic field intensity.

Mat 6S
REF. 1042 (page 14)

Mat 3S
REF. 1040 (page 14)

Mat 2S
REF. 1047 (page 14)

Pad 1S
REF. 1045 (page 15)

Pad 1SE
REF. 1048 (page 15)

Pad 2S
REF. 1046 (page 15)

Ellipse MS
REF. 1054 (page 18)

Spot S applicator
REF. 1056 (page 18)

Spot Z applicator
REF. 1057 (page 18)

Ring R300
REF. 1099 (page 16)

Ring R400
REF. 1098 (page 16)

Ring R500
REF. 1121 (page 16)

Clinical applicator
REF. 1061 (page 24)

WORKS WITH PULSED MAGNETIC FIELD LED THERAPY APPLICATORS

Pulsed Magnetic Field LED Therapy is a combination of two forms of therapy: Pulsed Magnetic Field Stimulation and LED therapy. Magnetic-light applicators generate:

- pulsed LED radiation: red light (R) with a wavelength of 630 nm, infrared radiation (IR) with a wavelength of 855 nm or both forms of radiation simultaneously (RIR),
- low-frequency pulsed magnetic field.

Ellipse LED R
REF. 1065 (page 21)

Ellipse LED R+IR
REF. 1067 (page 20)

Ellipse LED IR
REF. 1066 (page 21)

Panel LED 280 R+IR
REF. 1097 (page 20)

OPTIONAL ACCESSORIES

Table stand
REF. 1071 (page 34)

Safety goggles
REF. 1086 (page 34)

Adapter
REF. 1073 (page 34)

Light stand
REF. 1087 (page 34)

Remote control Clinic/Delux
REF. 1077 (page 35)

Clinical applicator

TECHNICAL DATA - PAGE 39

Clinical applicator for stationary treatments. It allows to perform: whole body treatment with stationary applicator, local treatment with ring applicator, synchronous application with both applicators at the same time.

The high therapeutic effectiveness of the applicator is ensured by the possibility of simultaneous therapy of the whole body and locally reinforced by the ring applicator.

Works with control unit: DELUX CLINIC CLASSIC

Therapies: PULSED MAGNETIC FIELD STIMULATION

Clinical applicator (REF. 1061)

Clinical applicator consists of two therapeutic elements: stationary applicator 1SL with MDC mat (ref. 1060) and ring applicator R850 (ref. 1059), equipped with a headrest improving the comfort of treatment.
Comfortable treatments for patients of different heights and weights are ensured by high quality and durability materials and the size of the applicator.

Stationary applicator 1SL (REF. 1060)

The bed is designed for mounting MDC mat and ring applicator R850. It enables comfortable procedures in a lying position. It can be used individually or in combination with the ring applicator R850.

APPLICATION

For the whole-body treatment. Activity: analgesic, regenerative, improving peripheral activity, antispastic. **They are used in rehabilitation and treatment** of such diseases as:

- spondylosis of the spine and osteoarticular system of the upper and lower limbs,
- rheumatoid arthritis (RA),
- ankylosing spondylitis,
- osteopenia and osteoporosis,
- migrains,
- extensive burns,
- extensive bedsores,
- conditions after apoplexy,
- degenerative diseases of the nervous system, accompanied by spasticity,
- neuroses,
- sleep disorders,
- stress, particularly after long-term psychic/mental tension,
- concentration disturbances,
- after sports training and in biological regeneration.

Ring R850 (REF. 1059)

The ring applicator R850 produces an impulse homogeneous magnetic field with magnetic field force lines parallel to the axis of the applicator and the patient's body. It is designed for local application in small and medium areas. It ensures comfortable performing the procedure in a position lying within the head, limbs and spine. It can be used alone or in combination with a stationary applicator 1SL.

APPLICATION

For the treatment of small and medium surfaces. Activity: analgesic, regenerative, improving peripheral activity, antispastic. **They are used in rehabilitation and treatment** of such diseases as:

- joint injuries,
- extra articular rheumatism (so-called fibromyalgia),
- soft tissues injuries and conditions after injury (interruption) to the continuity of tissue (including post-surgical),
- migraines,
- conditions after bone crack and fracture,
- conditions after operations on bone structure
- burns, bedsore,
- pseudarthrosis,
- conditions after injury with or without damage to skin continuity,
- diabetic and atherosclerotic angiopathy,
- curural ulceration and haemathomas,
- conditions after apoplexy,
- degenerative diseases of the nervous system accompanied by spasticity.

Dual-discs MT for magnetotherapy

TECHNICAL DATA - PAGE 43

The applicator is designed to perform the topical treatment of Pulsed Magnetic Field Therapy on selected parts of the body. Double-color cover of discs determines the polarity of the magnetic field generated by each element.

Works with control unit: CLINIC

Therapies: PULSED MAGNETIC FIELD THERAPY

Dual-discs MT (REF. 1068)

The applicator consists of two identical interconnected flat application elements – discs. Double-color cover of discs determines the polarity of the magnetic field generated by each element, which is essential for the process (methodology) of therapy.

FLAT CONFIGURATION

Applicable range of the magnetic field induction: 0.19-4.5 mT (Photos 1 and 2).

STACK CONFIGURATION

Applicable range of the magnetic field induction: 0.25-6 mT (Photo 3).

STACK CONFIGURATION

Applicable range of the magnetic field induction: 0.19-4.5 mT (Photo 4).

APPLICATION

Osteoarticular system diseases:
- delayed synostosis,
- pseudarthrosis,
- spondylosis of the spine and osteoarticular system of the upper and lower limbs,
- conditions after bone crack and fracture,
- injuries of osteoarticular system.

Peripheral vascular diseases:
- diabetic angiopathy,
- atherosclerotic angiopathy.

Skin and soft tissue diseases:
- wounds of skin and soft tissue,
- burns,
- crural ulceration and trofic lesion,
- conditions after apoplexy.


Viofor
Viofor

Viofor JPS System MagneticLight REF. 1038

TECHNICAL DATA - PAGE 37 LED THERAPY PULSED MAGNETIC FIELD LED THERAPY

Control unit MagneticLight offers two forms of therapy: LED Therapy and Pulsed Magnetic Field LED Therapy in synchronous or asynchronous mode. The selection of applicators allows to configure Viofor set to the intended application: red light (630 nm), infrared radiation (855 nm) or mixed applicators with different LED surfaces. Control unit MagneticLight allows you to remember the treatment settings and applicator, is equipped with two sockets for magnetic-light applicators.

SETTINGS – LED THERAPY

Power – from 10% to 100% of maximum applicator power. Step regulation of 10% with frequency filling 181,81 Hz (period 5500us).

Treatment time – 1 min – 30 min with 1 min step.

WORKS WITH PULSED MAGNETIC LED THERAPY APPLICATORS

PARAMETERS IN ASYNCHRONOUS MODE:

Power – from 10% to 100% of maximum applicator power. Step regulation of 10% with frequency filling 181,81 Hz (period 5500us).

PARAMETERS IN SYNCHRONOUS MODE:

Light pulses – synchronized with magnetic field pulses.

Width of light pulses – from 0.5 ms to 5 ms with 0.5 ms step.

PULSED MAGNETIC FIELD STIMULATION PARAMETERS:

Complex shape pulses with multi-peak structure, resulting in multiple signals across a frequency spectrum.

Treatment time – automatically set after selecting the therapy parameters 8 min/10 min/12 min. Multiplier of the treatment running time: x1, x2, x3

Therapy intensity – thirteen levels of application intensity (magnetic induction level): from 0,5 to 12

Polarization – automatic change in the direction of the magnetic field

WORKS WITH MAGNETIC-LED APPLICATORS

Control unit MagneticLight works with panel applicators providing both LED Therapy and Pulsed Magnetic Field LED Therapy - synchronous and asynchronous.

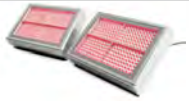
Ellipse LED R
REF. 1043 (page 21)

Ellipse LED R+IR
REF. 1044 (page 20)

Panel LED 192 R+IR
REF. 1083 (page 31)

Panel LED 192 IR
REF. 1082 (page 32)

Ellipse LED IR
REF. 1066 (page 21)



Panel LED 560 R
REF. 1080 (page 30)

Panel LED 560 IR
REF. 1084 (page 32)

Panel LED 560 R+IR
REF. 1081 (page 31)

OPTIONAL ACCESSORIES

Safety goggles
REF. 1086 (page 34)

Light stand
REF. 1087 (page 34)

Table stand
REF. 1071 (page 34)

Viofor JPS System S PDT MagneticLight REF. 1038

A version of control unit MagneticLight designed for Photodynamic Therapy (PDT) works only with the Spot LED-PDT Applicator (ref. 1553).

TECHNICAL DATA - PAGE 37

LED THERAPY

Spot LED-PDT applicator (REF. 1553)

Emits a red beam radiation (incoherent and unpolarized – non-laser) with power LEDs with parameters similar to those in low-energy laser and medium-energy laser. Works with control unit Viofor S PDT MagneticLight (ref. 1038). The applicator is designed for contact or close contact use. The usage of safety goggles is recommended for the patient and staff during treatment.

Panel magnetic-light applicators

Panel magnetic-light applicators are designed for treatments of medium and large body surfaces. They perform two forms of therapy: LED Therapy and Pulsed Magnetic Field LED Therapy - synchronous or asynchronous. They are designed for contact and near contact use.

Works with control unit: MAGNETICLIGHT

Therapies: LED THERAPY | PULSED MAGNETIC FIELD LED THERAPY

TECHNICAL DATA - PAGE 30-31

Panel LED 560 R (REF. 1080)

Application surface - 560 cm^2. Light interaction – 630 nm (R) up to several mm deep. Dual panel applicator consists of sections connected with each other by a cable, each of which is equipped with a set of high-energy LEDs emitting pulsed LED radiation and a module generating heterogeneous magnetic field in the JPS System. The applicator is designed to be fixed on a stand (Light stand Ref. 1087), it ensures any position of the applicator over the surface of the treatment.

APPLICATION

For the treatment of small and medium surfaces. Activity: analgesic, regenerative, improving peripheral activity, antispastic. **Due to the impact of red light, it is applied mainly on skin diseases, in dermatology, plastic surgery and cosmetics**:

- delayed heling of superficial wound, ulceration and bedsore,
- acne vulgaris,
- herpes zoster,
- first-degree burns.

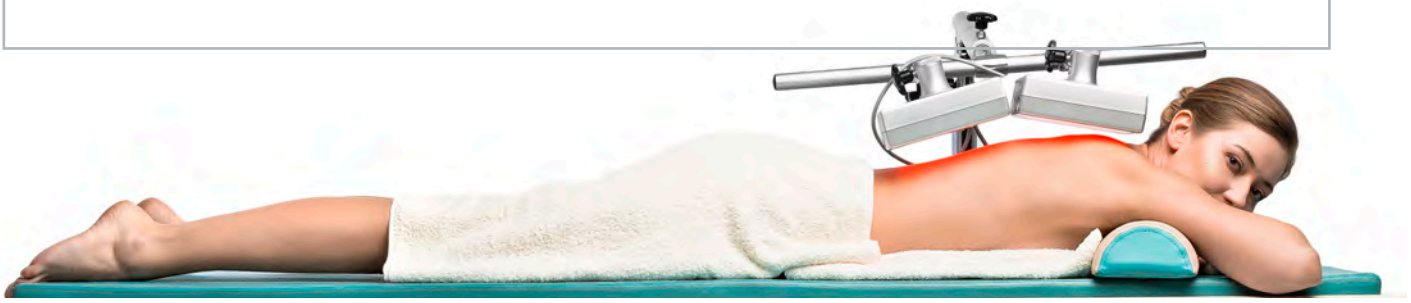
It can be used in dermatology and aesthetic medicine. Due to the influence of magnetic field it is used mainly in rehabilitation and treatment as well as in dentistry (the range of applications is analogous to that of an elliptical applicator - page 18).

Panel LED 560 R+IR (REF. 1081)

Application surface - 560 cm^2. Light interaction - 630 nm (R) up to several mm deep, 855 nm (IR) up to several cm deep. Dual panel applicator consists of sections connected with each other by a cable, each of which is equipped with a set of high-energy LEDs emitting pulsed LED radiation and a module generating heterogeneous magnetic field in the JPS System. The applicator is designed to be fixed on a stand (Light stand Ref. 1087), it ensures any position of the applicator over the surface of the treatment.

Panel LED 192 R+IR (630 nm / 855 nm) (REF. 1083)

Application surface - 192 cm^2. Light interaction - 630 nm (R) up to several mm deep, 855 nm (IR) up to several cm deep. Applicator is equipped with a set of high-energy LEDs emitting pulsed LED radiation and a module generating heterogeneous magnetic field in the JPS System. The applicator is designed to be fixed on a stand (Light stand Ref. 1087), it ensures any position of the applicator over the surface of the treatment.



APPLICATION

For the treatment of small and medium surfaces. Activity: analgesic, regenerative, improving peripheral activity, antispastic.

Osteoarticular system diseases:
- spondylosis of the spine and osteoarticular system of the upper and lower limbs,
- pain syndromes of various aethiology,
- injuries of osteoarticular system,
- chronic and subacute arthritis,
- rheumatoid arthritis (RA) and ankylosing spondylitis.

Soft tissue diseases:
- soft tissue injuries,
- chronic and subacute arthrisis.

Neurological diseases:
- neuralgia (intercostal neuralgia, trigeminal
- neuralgia, post herpetic neuralgia),
- sciatica.

Skin diseases:
- delayed heling of wound, ulceration and bedsore,
- herpes zoster.

Can be used in dermatology and aesthetic medicine.

Panel LED 560 IR (855 NM) (REF. 1084)

Application surface - 560 cm^2. Light interaction - 855 nm (IR) up to several cm deep. Dual panel applicator consists of sections connected with each other by a cable, each of which is equipped with a set of high-energy LEDs emitting pulsed LED radiation and a module generating heterogeneous magnetic field in the JPS System. The applicator is designed to be fixed on a stand (Light stand Ref. 1087), it ensures any position of the applicator over the surface of the treatment.

Panel LED 192 IR (855 NM) (REF. 1082)

Application surface - 192 cm^2. Light interaction - 855 nm (IR) up to several cm deep. Applicator is equipped with a set of high-energy LEDs emitting pulsed LED radiation and a module generating heterogeneous magnetic field in the JPS System. The applicator is designed to be fixed on a stand (Light stand Ref. 1087), it ensures any position of the applicator over the surface of the treatment.

TECHNICAL DATA - PAGE 32

APPLICATION

For the treatment of small and medium surfaces. Activity: analgesic, regenerative, improving peripheral activity, antispastic. **As a result of the infrared light applied mainly in osteoarticular system, soft tissues and neurological diseases.**

Osteoarticular system diseases:

- spondylosis of the spine and osteoarticular system of the upper and lower limbs,
- pain syndromes of various aethiology,
- injuries of osteoarticular system,
- chronic and subacute arthritis,
- rheumatoid arthritis (RA) and ankylosing spondylitis.

Soft tissue diseases:

- soft tissue injuries,
- chronic and subacute arthrisis.

Neurological diseases:

- neuralgia (intercostal neuralgia, trigeminal neuralgia, post herpetic neuralgia),
- sciatica.

ACCESSORIES

Table stand (REF. 1071)

Table stand is designed for fixing panel applicator ref. 1097. It enables contact-free use of the applicator without the help of third parties.

Light stand (REF. 1087)

This stand is designed for fixing panel magnetic-light applicators. Equipment and functions:

- controller shelf
- mobile arm
- adjustment of applicator fixing
- wheels with stop lock

Safety goggles (REF. 1086)

Safety goggles with protective optical filter for protection against red and infrared radiation emitted by LED applicators.

Adapter (REF. 1073)

Allows simultaneous use of two applicators for one or two patients by maintaining the same settings for both applicators.

Magnetic field indicator MFI 01 (REF. 1075)

Allows:

- control of the accuracy of applicators activity,
- detection of electromagnetic radiation level of environment for applicators,
- indication in conventional units.
- Battery operated

Remote control Clinic/Delux (REF. 1077)

Allows remote control of control unit.

Remote control Classic (REF. 1072)

Allows remote control and programing with the use of pre-set application parameters and reading the treatment counter.

Power supply (REF. 1094)

Switching Power Supply BSM25B15-P1J is an integral part of Viofor JPS System Family/Family+ control units. It ensures correct operation of the control unit. It is also appropriate for charging Battery Power BS-01 (Ref. 1103).

Connector for car cigarette lighter (REF. 1093)

Enaglec to use Viofor JPS System Family/Family+ along the way by connecting to the car cigarette lighter in the car.

Battery power BS 01 (REF. 1103)

It is intended to supply the Viofor JPS System Family/Family+ control units. Alows the use in conditions where there is no possible connection to network power supply. Includes battery with a capacity of 3.4 Ah and a battery charger. When loading, the battery works together with Switching Power Supply (Ref. 1094).

Technical data

	Viofor JPS System Delux **REF. (1035) page 8**	**Viofor JPS System Classic** **REF. (1031) page 10**
Type of control unit	microprocessor	microprocessor
Supply voltage	230 V/115 V ± 10 %; 50 Hz/60 Hz	230 V/115 V ± 10 %; 50 Hz/60 Hz
Power consumption in „stand-by" mode	<5 VA	<8 VA
Maximum power consumption	<26 VA	<15 VA
Max. output voltage on control unit socket	• ± 15 V on G1 and G2 sockets • ± 25 V on G3 socket	25 V on all sockets
Magnetic field frequency	Pulsed magnetic field stimulation: 0,08 Hz – 195 Hz, with pulse frequencies divided into: • basic range: 180 Hz to 195 Hz • packets range: 12.5 Hz - 29 Hz • groups of packets range: 2.8 Hz- .6 Hz • series range: 0.08 Hz - 0.3 Hz	Pulsed magnetic field stimulation: 0,08 Hz – 195 Hz, with pulse frequencies divided into: • basic range: 180 Hz to 195 Hz • packets range: 12.5 Hz - 29 Hz • groups of packets range: 2.8 Hz- .6 Hz • series range: 0.08 Hz - 0.3 Hz
Shape of signal		
Frequency of light radiation impulses	181,1Hz	
Working mode	Continuous running	Continuous running
Admissible working temperature	+10 ÷ +40°C	+10 ÷ +40°C
Admissible working humidity	max 80%	max 80%
Safety class	II	II
Protection against water	IP 40 (not waterproof)	IP 40 (not waterproof)
Dimensions	32 cm x 27 cm x 17,5 cm	32 cm x 27 cm x 17,5 cm
Weight	3,4 kg	2,5 kg
Output sockets of the control unit (for connecting applicators)	• two sockets "jack" 6,3 mm • one round 6-pin socket	three sockets "jack" 6,3 mm

Viofor JPS System MagneticLight **REF. (1038) page 28**	**Viofor JPS System Clinic** **REF. (1033) page 22**
microprocessor	microprocessor
230 V/115 V ± 10 %; 50 Hz/60 Hz	230V/115V ±10%; 50 Hz/60Hz
<2 VA	<5 VA
<60 VA	<40 VA
+25 V	• ± 15 V on G1 and G2 sockets • ± 25 V on G3 socket
Pulsed magnetic field stimulation: 0,08 Hz – 195 Hz, with pulse frequencies divided into: • basic range: 180 Hz to 195 Hz • packets range: 12.5 Hz - 29 Hz • groups of packets range: 2.8 Hz- .6 Hz • series range: 0.08 Hz - 0.3 Hz	Pulsed magnetic field stimulation: 0,08 Hz – 195 Hz, with pulse frequencies divided into: • basic range: 180 Hz to 195 Hz • packets range: 12.5 Hz - 29 Hz • groups of packets range: 2.8 Hz- .6 Hz • series range: 0.08 Hz - 0.3 Hz Pulsed magnetic field therapy: 05÷40Hz with 5 Hz step
	sinusoidal, triangular, rectangular
181,1Hz	181,1Hz
Continuous running	Continuous running
+10 ÷ +40°C	+10 ÷ +40°C
max 80%	max 80%
II	II
IP 40 (not waterproof)	IP 40 (not waterproof)
32 cm x 27 cm x 17,5 cm	32 cm x 27 cm x 17,5 cm
3,4 kg	3,4 kg
two round 12-pin socket	• two sockets “jack” 6,3 mm • one round 6-pin socket

	Viofor JPS System Family/Faimly+ **REF. (1036) page 12 / REF. (1037) page 13**
Type of control unit	microprocessor
Supply voltage	supply voltage: 10 – 15 V DC – 1,6 A (from: Switching Power Supply BSM25B15-P1J, Battery Power BS-01 or Plug-in adaptor to in-car lighter)
Current consumption for a power supply BSM25B15-P1J unit that is not under load	<0,1W
Maximum power consumption	<15 VA
Max. output voltage on control unit socket	max. 15 V
Magnetic field frequency	0,08 Hz – 195 Hz, with pulse frequencies divided into: • basic range: 180 Hz to 195 Hz • packets range: 12.5 Hz - 29 Hz • groups of packets range: 2.8 Hz- 7.6 Hz • series range: 0.08 Hz - 0.3 Hz
Working mode	Continuous running
Admissible working temperaturę	+10 ÷ +40°C
Admissible working humidity	max 80%
Safety class	II
Protection against water	IP 40 (not waterproof)
Dimensions	32 cm x 27 cm x 10,5 cm
Weight	1,4 kg
Output sockets of the control unit (for connecting applicators):	one socket

Clinical applicator **REF. (1061) page 24**

Dimensions	Dimensions of the applicator after assembling: Stationary applicator 1SL (ref. 1060) + Ring R850 (ref. 1059): 196 cm x 100 cm x 69 cm

Stationary applicator 1SL **REF. (1060) page 25**

Dimensions	196 cm x 49 cm x 55 cm
Magnetic field induction (peak-peak)	11,5 µT – 276 µT

Ring R850 **REF. (1059) page 25**

Dimensions	outer diameter - 92 cm internal diameter - 79 cm depth - 48 cm height - 103 cm
Magnetic field induction (peak-peak)	5 µT – 84 µT

	Mat 3S **REF. (1040) page 14**	**Mat 6S** **REF. (1042) page 14**	**Mat 2S** **REF. (1047) page 14**
Dimensions	178 cm x 66 cm x 3 cm 59 cm x 66 cm x 9 cm (folded)	178 cm x 66 cm x 3 cm 59 cm x 66 cm x 9 cm (folded)	92 cm x 48 cm x 2 cm 51 cm x 48 cm x 4 cm (folded)
Magnetic field induction (peak-peak)	11,5 µT – 276 µT	11,5 µT – 276 µT	22,5 µT - 540 µT

	Pad 1SE **REF. (1048) page 15**	**Pad 1S** **REF. (1045) page 15**	**Pad 2S** **REF. (1046) page 15**
Dimensions	50 cm x 28 cm x 2 cm	57 cm x 27 cm x 3 cm	51 cm x 57 cm x 3 cm
Magnetic field induction (peak-peak)	22,5 µT – 540 µT	22,5 µT – 540 µT	peak - 22,5 µT - 540 µT

	Ring R300 **REF. (1099) page 16**	**Ring R400** **REF. (1098) page 16**	**Ring R500** **REF. (1121) page 16**
Dimensions	outer diameter - 37 cm internal diameter - 25 cm depth - 20 cm	outer diameter - 47 cm internal diameter - 34 cm depth - 24 cm	outer diameter - 58 cm internal diameter - 44 cm depth - 30 cm
Magnetic field induction (peak-peak)	peak - 20 µT - 480 µT	peak – 11,5 µT -276 µT	peak – 7,5 µT – 180 µT

	ELLIPTIC APPLICATOR **REF. (1054) page 18**	**Spot S applicator** **REF. (1056) page 18**	**Spor Z applicator** **REF. (1057) page 18**
Dimensions	10 cm x 7,5 cm 2,5 cm	Length - 17 cm Outside diameter - 1,6 cm	Length - 17 cm Outside diameter - 1,6 cm
Application surface	about 20 cm^2 (a circle with a diameter of approx. 5 cm)	about 1 cm^2	about 1 cm^2
Magnetic field induction (peak-peak)	50 µT – 1200 µT	56 µT – 1,34 mT	56 µT – 13,4 mT

	Ellipse LED R+IR **REF. (1067) page 20**	**Ellipse LED R+IR** **REF. (1044) page 20**
Dimensions	9,5 cm x 7,5 cm x 3,5 cm	9,5 cm x 7,5 cm x 3,5 cm
Application area	about 20 cm^2 (a circle with a diameter of approx. 5 cm)	about 20 cm^2 (a circle with a diameter of approx. 5 cm)
Red radiation wavelength	630 nm	630 nm
Infrared radiation wavelength	855 nm	855 nm
Maximum red radiation power (in impulse)	105 mW	440 mW
Maximum infrared radiation power (in impulse)	720 mW	720 mW
Magnetic field induction (peak-peak)	50 µT – 1200 µT	50 µT – 1200 µT
Indicator of operating	blinking yellow LED	blinking yellow LED
Safety class of radiation	3R	3R
Type of connection	6-pin terminal	12-pin terminal

	Ellipse LED R **REF. (1065) page 21**	**Ellipse LED R** **REF. (1043) page 21**
Dimensions	9,5 cm x 7,5 cm x 3,5 cm	9,5 cm x 7,5 cm x 3,5 cm
Application area	about 20 cm2 (a circle with a diameter of approx. 5 cm)	about 20 cm2 (a circle with a diameter of approx. 5 cm)
Red radiation wavelength	630 nm	630 nm
Maximum red radiation power (in impulse)	210 mW	880 mW
Magnetic field induction (peak-peak)	50 µT – 1200 µT	50 µT – 1200 µT
Indicator of operating	blinking orange LED	blinking orange LED
Safety class of radiation	3R	3R
Type of connection	6-pin terminal	12-pin terminal

	Ellipse LED IR **REF. (1066) page 21**
Dimensions	9,5 cm x 7,5 cm x 3,5 cm
Application area	about 20 cm2 (a circle with a diameter of approx. 5 cm)
Infrared radiation wavelength	855 nm
Maximum infrared radiation power (in impulse)	1440 mW
Magnetic field induction (peak-peak)	50 µT – 1200 µT
Indicator of operating	blinking green LED
Safety class of radiation	3R
Type of connection	6-pin terminal – Delux/Clinic 12-pin terminal - MagneticLight

	Panel LED 560 R **REF. (1080) page 30**
Dimensions	The applicator consists of two panels connected by a wire: 24,3 cm x 18,1 cm x 5,7 cm (single panel) 24,3 cm x 18,2 cm x 9,1 cm (single panel with mounting pin) 26,3 cm x 18,2 cm x 11,1 cm (panel with the handle parallel to the long side)
Application area	560 cm^2
Red radiation wavelength	630 nm
Maximum red radiation power (in impulse)	1000 mW
Magnetic field induction (peak-peak, at the middle of the applicator)	35 µT – 840 µT
Safety class of radiation	3R
Type of connection	12-pin terminal
Weight	3,2 kg
Fixing	At the light stand (ref. 1087)

	Panel LED 560 IR **REF. (1084) page 32**	**Panel LED 192 IR** **REF. (1082) page 32**
Dimensions	The applicator consists of two panels connected by a wire: 24,3 cm x 18,1 cm x 5,7 cm (single panel) 24,3 cm x 18,2 cm x 9,1 cm (single panel with mounting pin) 26,3 cm x 18,2 cm x 11,1 cm (panel with the handle parallel to the long side)	29,8 cm x 12,6 cm x 5,7 cm (panel alone) 29,8 cm x 12,6 cm x 9,1 cm (panel with mounting pin) 29,8 cm x 12,6 cm x 11,1 cm (panel with the handle parallel to the long side)
Application area	560 cm^2	• Three sections - 192 cm^2 • One section - 64 cm^2
Infrared radiation wavelength	855 nm	855 nm
Maximum infrared raAdiation power (in impulse)	6800 mW	6000 mW
Magnetic field induction (peak-peak, at the middle of the applicator)	35 µT – 840 µT	35 µT – 840 µT
Safety class of radiation	3R	3R
Type of connection	12-pin terminal	12-pin terminal
Weight	3,2 kg	1,6 kg
Fixing	At the light stand (ref. 1087)	At the light stand (ref. 1087)

	Dual-discs applicator **REF. (1068) page 26**
Dimensions	diameter of one disc – 16,5 cm single disk thickness – 3,3 cm
Magnetic field induction (peak-peak) for single disk	0,19 mT – 4,56 mT
Magnetic field induction (peak-peak) for two stacked disks	0,25 mT – 6,0 mT

	Panel LED 560 R+IR **REF. (1081) page 31**	**Panel LED 280 R+IR** **REF. (1097) page 20**	**Panel LED 192 R+IR** **REF. (1083) page 31**
Dimensions	The applicator consists of two panels connected by a wire: 24,3 cm x 18,1 cm x 5,7 cm (single panel) 24,3 cm x 18,2 cm x 9,1 cm (single panel with mounting pin) 26,3 cm x 18,2 cm x 11,1 cm (panel with the handle parallel to the long side)	24,3 cm x 18,1 cm x 5,7 cm (panel alone) 24,3 cm x 18,2 cm x 9,1 cm (panel with mounting pin) 26,3 cm x 18,2 cm x 11,1 cm (panel with the handle parallel to the long side)	29,8 cm x 12,6 cm x 5,7 cm (panel alone) 29,8 cm x 12,6 cm x 9,1 cm (panel with mounting pin) 29,8 cm x 12,6 cm x 11,1 cm (panel with the handle parallel to the long side)
Application area	560 cm^2	280 cm^2	192 cm^2
Red radiation wavelength	630 nm	630 nm	630 nm
Infrared radiation wavelength	855 nm	855 nm	855 nm
Maximum red radiation power (in impulse)	500 mW	250 mW	450 mW
Maximum infrared radiation power (in impulse)	3400 mW	1700 mW	3000 mW
Magnetic field induction (peak-peak, at the middle of the applicator)	35 µT – 840 µT	35 µT – 840 µT	35 µT – 840 µT
Safety class of radiation	3R	3R	3R
Type of connection	12-pin terminal	6-pin terminal	12-pin terminal
Weight	3,2 kg	1,7 kg	1,6 kg
Fixing	At the light stand (ref. 1087)	At the table stand (ref. 1071) or light stand (ref. 1087)	At the light stand (ref. 1087)

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TÜV NORD Polska PN-EN ISO 13485

TÜV NORD Polska PN-EN ISO 9001