# ENRAF-NONIUS

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A story of success

The company history

More than 80 years ago, in 1930, the first Dutch Röntgen Device Factory (DANS) in Nieuwkoop started developing equipment for irrigation applications and dentistry. The production facility was later relocated to the city of Delft, known not only for its world famous Delft Blue pottery, but also for its university, which for centuries has produced the country’s top engineers and where research has always been a core activity. In 1938 the inventor of X-ray vision, Dr. Ignaz Semmelweis, died at the University Hospital of Vienna and the Delft production was to produce X-ray apparatus and x-ray equipment. Eventually, the X-ray equipment industry and the medical equipment industry merged, and in 1948, the instrument maker firm Nonius was set up by the founder of Enraf. The company specialised in precision measuring instruments. Enraf, meanwhile, had not stood still, and had started making a name for itself in electrosurgery, with, for example, the Curatis. With participation in Electrophysics the English company (established in 1892) the rights to the manufacturing and sale of a very advanced range of electronic measuring and control equipment were acquired. 1930 was an important year, which saw the merger of Enraf and Nonius into Enraf-Nonius and the coming into force of the Dutch Physiotherapists Decree. Physiotherapists, masseurs and specialists were awarded the official status of paramedics, a development that also took place in surrounding countries.

Enraf-Nonius was a leading specialist in its field, active in three high technology areas: industrial measuring equipment, x-ray technology and medical equipment. The Sonopuls 407 and 417, the Endomed 415 and 422, the Dynapuls 417, 421 and 424 and the Curapuls 418 were developed during this time and became known worldwide.

The Manulekt treatment couches completed the practical product range. The couches were a welcome addition for therapists and hospitals and eagerly snapped up. After a period of internationalisation and expansion during the nineties, Enraf-Nonius now has a vast and unique portfolio on the market for physiotherapy and rehabilitation equipment. Enraf-Nonius kept on step with a world in motion and developed into the leading supplier in the field of physiotherapy. An international network of reliable, trained product experts makes our products available to motion therapists around the globe. Functionally, reliability and durability are concepts that were associated with Enraf products then as they are now. The latest production techniques, newcomers and the company’s continuing interest to optimise its products through customer feedback, confirm the company’s image of “passion for motion”, in which the human being has a central position and is a true partner for life.

Our product catalogue is divided into three sections:

Technical physiotherapy equipment

This is a characteristic of a uniquely versatile, contemporary high technology physiotherapy equipment. A wide assortment of electro and ultrasound equipment, electro stimulation, vacuum therapy, biostimulation, massage and shortwave and microwave therapy, is currently available. Special attention has been paid to our new products in the Technical Physiotherapy section; Equipment for performance and quality!

The treatment couches

The Manulekt treatment couches form a comprehensive range of specialist couches with ultimate reliability, very easy adjustability and total comfort. Couches that can be adapted for every personal requirement. The Manured treatment couch is used in practices, hospitals and healthcare centres worldwide. We also have a

Passion for Motion Enraf-Nonius: “Partner for Life” with a passion for motion. Products that show that we have invested quality, functionality and design into a whole. Equipment designed with the utmost care, meeting the most stringent requirements of the MDD (Medical Devices Directory). Motion specialists, athletic athletes, inspired patients, the young, the pregnant, top football clubs and many other users have been convinced of

the functionality, quality and reliability of our equipment. We also have something new for you in this sector: the EN-Flow, a physiotherapy bed with the latest teehnology options and unique options.

With our extensive knowledge, careful orientation and advice we adapt our products to today’s customers, using the latest technological developments. Enraf-Nonius also motivate and advise on the creation of a contemporary, functionally stylishly designed

with you, to help improve the quality of life of all its people. Rotterdam we do this within EN-RID, national and international sales and marketing, technical service, the administrative department and EN-Projects. Our logistics team does this every day in Brunssum.

Erfly: with a passion for motion. Our national and international sales and marketing, technical service, the administrative department and EN-Projects.

“Partner for Life” with a passion for motion. Products that show that we have invested quality, functionality and design into a whole. Equipment designed with the utmost care, meeting the most stringent requirements of the MDD (Medical Devices Directory). Motion specialists, athletic athletes, inspired patients, the young, the pregnant, top football clubs and many other users have been convinced of

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Manumed Optimal  Manumed Special
Manumed Basic  Manumed Standard
ManuXeect  Tilt-table  Traction
Separate Leg Sections  Osteo  Bobath
Treatment couches - The collection

For decades Enraf-Nonius treatment couches have been known for their durability and innovation. Quality that gives lasting pleasure. Over the years we have continued to develop and adapt our couches using the latest technology and by listening closely to the wishes and ideas of our customers. Customer-specific, safe, beautiful treatment couches are the result of this. There is an ideal couch for every situation: perhaps you need a simple, robust couch, or one with a range of support angles; you may prefer a couch that stands out for its functional design in your treatment room, or a simple, cost-effective one. The different lines within our unprecedented range of over 50 models with over 1.7 million variations are designed to meet every need. Whether you take, stability, quality and reliability are guaranteed by choosing Enraf-Nonius.

All our models are made from the highest quality materials and parts. Our couches have brass bearing bushes in the essential swivel points. They are made from stainless steel parts, rather than lacquered metal. New production techniques, such as an automated production line and the workmanship of our specialists, guarantee the highest precision during manufacture.

The couches have easily accessible handles for comfortable operation. They have fully supported surface sections with a lightweight and support height adjustment. Adjustment can be made by means of gas springs, so couch sections can be adjusted easily. The ergonomic requirements of men and women were taken into account in designing this product. This means stress on the body is avoided, providing extra comfort for the patient as well as for the physiotherapist.

Enraf-Nonius couches, unique for their stability, reliability and durability. Designed for intense, long-term use. Treatment couches with a stylish, contemporary design. Enraf-Nonius couches offer the ultimate in comfort.
Stability
Unsurpassed stability by use of a rigid frame with swivel bearings, which prevents the couch from moving during treatment.

Strength
Mechanical ingenuity and many years’ experience in building treatment couches are manifest in the strong frame and construction, so that even the heaviest people can lie on the Manumed.

Reliability
Workmanship and sound materials give you the reassurance of a quality product with extremely high reliability and a long life.

Central wheel raising mechanism
The couch is quickly and easily moved with a single push on the pedal.

Silent and fast height adjustment
The powerful motor and an optimally proportioned design provide fast and silent height adjustment.

Breathing hole to the edge
Long breathing hole till just below the edge of the main section. This means comfort for your patient and for yourself, as you can stand very close for head/neck treatments.

Long breathing hole
This allows the patient to be comfortably in any position. In particular in combination with the corner position, it is important that the patient takes up a correct position.

Ergonomic sizing
Surface sections that meet the ergonomic size of men and women. Allowing the client to sit correctly, while you can take up the proper working position, without unnecessary stress on your own body.

Ergonomic human interface
Clever positioning and movement effect of all the handles. This means that you do not need to take up any unnecessary or incorrect postures, so that the Manumed is also extremely safe for you.

Anti-slip caps
Specially designed anti-slip caps make the couch rock-solid on any surface. The couch is therefore extremely suitable for treatments such as traction and manipulation, as neither the patient nor the couch will move.

Foot space under the couch
Generous foot space (12 cm), that can also accommodate a sun lamp or patient lift beside the couch.

All-round operation
The all-round operation provides electric height adjustment that can be reached unseen from any position around the couch, but which is never in the way.

Ergo-wings
Ideal for manipulation of the spinal column with the patient in the optimum position for you, while you avoid unnecessary stress on your own body.

Minimum height 45 cm
This makes the Manumed easily accessible for infants and easy to use for manipulative treatments.

Breathing hole to the edge
Long breathing hole till just below the edge of the main section. This means comfort for your patient and for yourself, as you can stand very close for head/neck treatments.

Choice of options and accessories
Choice of traction and fixation accessories, cushions and rolls for optimising the initial position and subsequent positioning of the client.

Choice of colours
Choice of robust or smooth quality imitation leather in 18 different colours. There is always a Manumed to match your surroundings.

Round headrest
The round headrest (optional) makes the head/neck region easily accessible.

Electrical corner lift
This brings the patient exactly into position, without any heavy support required from the therapist. It can also be used for passive manipulation of your patient.

Choice of sections
Choice of two to six surface sections and separate arm and leg sections, providing a suitable model for every specialisation.

Ergonomic siting
Surface sections that meet the ergonomic size of men and women. Allowing the client to sit correctly, while you can take up the proper working position, without unnecessary stress on your own body.

Ergonomic human interface
Clever positioning and movement effect of all the handles. This means that you do not need to take up any unnecessary or incorrect postures, so that the Manumed is also extremely safe for you.

Comfortable arterial adjustment
Arterial adjustments have a large surface area, providing optimum relaxation in the initial position. This creates a natural and comfortable treatment position for your patient.

Ergonomic siting
Surface sections that meet the ergonomic size of men and women. Allowing the client to sit correctly, while you can take up the proper working position, without unnecessary stress on your own body.

Choice of sections
Choice of two to six surface sections and separate arm and leg sections, providing a suitable model for every specialisation.

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Comfortable arterial adjustment
Arterial adjustments have a large surface area, providing optimum relaxation in the initial position. This creates a natural and comfortable treatment position for your patient.

Strength
Mechanical ingenuity and many years’ experience in building treatment couches are manifest in the strong frame and construction, so that even the heaviest people can lie on the Manumed.

Reliability
Workmanship and sound materials give you the reassurance of a quality product with extremely high reliability and a long life.

Central wheel raising mechanism
The couch is quickly and easily moved with a single push on the pedal.

Silent and fast height adjustment
The powerful motor and an optimally proportioned design provide fast and silent height adjustment.

Breathing hole to the edge
Long breathing hole till just below the edge of the main section. This means comfort for your patient and for yourself, as you can stand very close for head/neck treatments.

Long breathing hole
This allows the patient to be comfortably in any position. In particular in combination with the corner position, it is important that the patient takes up a correct position.

Ergonomic siting
Surface sections that meet the ergonomic size of men and women. Allowing the client to sit correctly, while you can take up the proper working position, without unnecessary stress on your own body.

Ergonomic human interface
Clever positioning and movement effect of all the handles. This means that you do not need to take up any unnecessary or incorrect postures, so that the Manumed is also extremely safe for you.

Anti-slip caps
Specially designed anti-slip caps make the couch rock-solid on any surface. The couch is therefore extremely suitable for treatments such as traction and manipulation, as neither the patient nor the couch will move.

Foot space under the couch
Generous foot space (12 cm), that can also accommodate a sun lamp or patient lift beside the couch.

All-round operation
The all-round operation provides electric height adjustment that can be reached unseen from any position around the couch, but which is never in the way.
The Manumed Optimal 2-section ensures comfortable and simplicity. The solid construction and the mechanical optimization ensure unparalleled stability.

The adjustment of the backrest with the aid of gas spring ensures simple adjustability of the backrest surface into the optimal body position. The Optimal 2 section is exceptionally comfortable and like every Manumed, it is adjustable in height.

In addition to versions with a short headboard (50 cm) or a longer backboard (67 cm), the Manumed Optimal 2 section also offers a version with a headboard with separate arm sections. This means that the most comfortable position lying on one’s stomach can be obtained, with the arms being supported by the arm sections. Due to the large surface area of these arm sections, the arms can be lightly endorotated so that the relaxed posture of the neck/shoulder region is optimised.

• Height adjustment (hydraulic or electric)
• Easy to move with retractable castors
• Lift for electric or hydraulic H/L (type 21, 22)
• Full and simple, gas-spring supported adjustment of the head- or back-section
• Comfortable padding, also at the side of the table top
• Standard with breathing hole and plug
• Upholstery available in 18 colours
• Durable, hygienic and washable upholstery
• Choice of electric switches

The adjustment of the board with the aid of gas springs ensures simple adjustability of the backrest surface into the optimal body position. The Optimal 2-section is exceptionally comfortable and like every Manumed, it is adjustable in height.

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- Height adjustment (hydraulic or electric)
- Full and simple, gas-spring supported adjustment of the head- or back-section
- Comfortable padding, also at the side of the table top
- Durable, hygienic and washable upholstery

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Colour code frame:</td>
<td>grey = RAL 705</td>
</tr>
<tr>
<td>Colour code upholstery:</td>
<td>black = RAL 9005, white = RAL 9010</td>
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<tr>
<td>Size tabletop (lxw):</td>
<td>200x67 cm (optional 57 or 80 cm width on models 11, 12 and 22)</td>
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<td>1.0 A max.</td>
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<td>Force electrical motor:</td>
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<td>Force hydraulic pump:</td>
<td>10.000 N</td>
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<tr>
<td>Raising set, grey, Model 2007:</td>
<td>150 kg</td>
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<tr>
<td>Weight supply:</td>
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<td>Section width:</td>
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<tr>
<td>Upholstery standard-extra hard:</td>
<td>18 different upholstery colours</td>
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The long rules for the sision on this treatment bench offers you major benefits. Firstly, during treatment of the neck/shoulder region, the patient can be positioned very closely at the cranial edge. This means the region is easily accessible to the performer of the treatment without having to bend over. Secondly, everyone can be placed comfortably in the pli position, irrespective of his or her height. The long hole for the nose on this treatment bench provides easy access to the performer of the treatment during treatment of the neck/shoulder region, the head is still properly supported.

- Electric height adjustment, 45-95 cm
- Sitting and lying positions
- Easy to move with retractable castors
- Force electrical motor: 0.000 N
- Force hydraulic pump: 6.000 N
- Lift time approximately 25 sec.
- Section width (67 cm-80 cm) for type 600 models
- Width) for type 200 models
- Force electrical motor:
- UPHOLSTERY

**STANDARD ACCESSORIES**

- Operating manual Manumed Optimal Special Edition (type 222)
- Paper roll holder for Manumed Optimal and Special, for 40 & 50 cm rolls
- Set of 4 fixation rails for Manumed Optimal type - & 5-section
- Set of 2 brackets chromium, for armpit fixation horns
- Raising set, grey, Model 2007
- Mobile traction frame for cervical traction for the different frame colours
- Upholstery standard-extra hard
- Choice of electric switches
- Section width (67 cm-80 cm)
- Stools and pillows
- 18 different upholstery colours
- Couch covers
- Gynaecological set (for 11-21, not for 612-622-62)
- Fixation accessories Manumed Optimal 3-section
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- Fixation accessories Manumed Optimal 3-section
- Fixation accesses
The 4-section model is the masterpiece of the Optimal line. The anatomically segmented top part combined with the wide array of section positions enable you to position your patient virtually however you wish. From reclining to sitting position, from flexion position to Trendelenburg position. Distinctive is also the seat depth of 47 cm, and the possibility of seated position with flexed knees. Each section is separately adjustable. Adjustments are accomplished with the utmost ease thanks to the support of gas springs. Height adjustment from 48 to 98 cm.

- Sitting and lying positions
- Freely position and Trendelenburg position possible
- Four different fully and independently adjustable, gas-spring supported sections
- Easy to move with retractable castors
- Comfortable padding, also at the side of the table top
- Durable, hygienic and washable upholstery
- Upholstery available in 18 colours
- Standard with breathing hole and plug

**OPERATING DATA**

| 3450065 | Paper roll holder for Manumed Optimal and Special, for 60 cm rolls |
| 3450066 | Paper roll holder, for 40, 50 & 60 cm rolls |
| 3445280 | Paper roll stand (floor type) for 40, 50 & 60 cm rolls |
| 3450056 | Set of 4 fixation rails for Manumed type 400 & 600 |
| 3013007 | Shoulder and armpit fixation horn, grey* |
| 3445006 | Clamp for fitting straps (2 required) |
| 3445007 | Clamp for fitting shoulder/armpit fixing support |
| 3450068 | Clamp for shoulder fixation horns 0100* (2 clamps for 2 horns) |
| 3013030 | Shoulder fixation horn grey*, for Manumed Opt. Osteo 4- & 6-sections |
| 3013019 | Pelvic support grey*, for 4- & 6-section couch |
| 3013032 | Arm rests (set of two) for Manumed Osteo |
| 3450069 | Raising set, grey, Model 2007 |
| 3013029 | Plug for nosehole, grey* (small) |

**STANDARD ACCESSORIES**

- Operating manual Manumed Optimal and Special

**OPTIONAL ACCESSORIES**

- Waterproof cover for Manumed Optimal and Special
- Adhesive fixation
- Gas-spring supported sections
- Quick release system

**TECHNICAL SPECIFICATIONS**

- Size tabletop (lxw): 208x67 cm. Optional 57 or 80 cm width
- Height adjustment: 48-98 cm
- Lifting time (min.-max.): approximately 25 sec.
- Lifting capacity: 150 kg
- Force hydraulic pump: 0.000 N
- Force electrical motor: 6.000 N
- Power supply: 100 / 120 / 20V AC 50/60 Hz
- Current consumption: 1.0 A max.
- Moisture resistance: according IP 44
- Upholstery: 18 different colours available
- Colour code frame: grey = RAL 705, white = RAL 9010, black = RAL 9005

* Available in 18 colours, see pages 36

For further information, please consult our catalogue or contact us directly.
The 5-section model offers all the characteristics and advantages of the 3-section model with an extra, adjustable head-rest and separately adjustable arm-rests. These features allow the patient to assume a more relaxed ventral position, which enhances the effect of the treatment.

A Manumed Optimal 5-section can be equipped with Ergo-wings (like the 3-section). This allows the therapist to stand as close as possible to his or her patient during treatment.

### TECHNICAL SPECIFICATIONS

- **Size tabletop (lxw):** 201x67 cm, Optional 80 cm width
- **Size "head-section":** 50x29 cm
- **Size "arm-section":** 50x19 cm
- **Height adjustment:** 45-95 cm
- **Lifting time (min.-max.):** approximately 25 sec.
- **Lifting capacity:** 150 kg
- **Force hydraulic pump:** 10,000 N
- **Force electrical motor:** 6,000 N
- **Power supply:** 100 / 120 / 200V AC 50/60 Hz
- **Current consumption:** 1.0 A max.
- **Moisture resistance:** according IP 44
- **Upholstery:** 18 different colours available
- **Colour code frame:** grey = RAL 705, white = RAL 9010, black = RAL 9005
With the Manumed Optimal 6-section, everything is possible. Six anatomically designed sections can be adjusted separately (hydraulic or electric) and allow you to position your patient in practically every possible position. The adjustments are extremely easy due to the support of 6 (!) gas-springs. This top treatment couch is adjustable in height from 48 to 98 cm, and can be moved easily on its retractable castors.

**ORDERING DATA**

**STANDARD ACCESSORIES**

- Operational manual Manumed Optimal and Special
- Operating manual for Hydraulics
- Operating manual for Electrics

**OPTIONAL ACCESSORIES**

- 3450056 Set of 4 fixation rails for Manumed type 400 & 600
- 3445006 Clamp for fitting straps (2 required)
- 3445007 Clamp for fitting shoulder/armpit fixing support
- 3013007 Shoulder and armpit fixation horn, grey*
- 3450068 Clamp for shoulder fixation horns 0100* (2 clamps for 2 horns)
- 3450069 Raising set, grey, Model 2007
- 3013030 Shoulder fixation horn grey*, for Manumed Opt. Osteo 4- & 6-sections
- 3013019 Pelvic support grey*, for 4- & 6-section couch
- 3013032 Arm rests (set of two) for Manumed Osteo

**STANDARd ACCESSORiES**

- 1400912 Operating manual Manumed Optimal and Special

**OPTIONAL ACCESSORiES**

- 3450065 Paper roll holder, for 40, 50 & 60 cm rolls
- 3450064 Paper roll holder for Manumed Optimal and Special, for 40 cm rolls
- 3445280 Paper roll stand (floor type) for 40, 50 & 60 cm rolls
- 3450057 A-see page 37 B-see page 37 L-see page 36 N-see page 36
- 3450056 Fixation accessories Manumed Optimal 6-section Osteo

**TECHniCAL SpECiFiCATiONS**

- Size tabletop (lxw): 208x67 cm. Optional 80 cm width
- Size “head-section”: 40x29 cm
- Size “arm-section”: 1x17 cm
- Height adjustment: 48-98 cm
- Lifting time (min.-max.): approximately 25 sec.
- Lifting capacity: 150 kg
- Force hydraulic pump: 10.000 N
- Force electrical motor: 6.000 N
- Power supply: 100 / 120 / 200V AC 50/60 Hz
- Current consumption: 1.0 A max.
- Upholstery: 18 different colours available
- Colour code frame: grey = RAL 705, white = RAL 9010, black = RAL 9005

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* Available in 18 colours, see pages 36
The Manumed Special treatment couches with separate leg sections allow you to position the legs of the patient separately from one another. This makes this treatment couch ideal for treatment of the lower extremities, manual lymph drainage and working with plastercasts.

The Manumed Special 6-section treatment couches have separate arm- and leg-sections. This allows you to position the arms as well as the legs of the patient separately from one another. Never before has an examination and treatment couch offered so many possibilities.

**ORDERING DATA**

**STANDARD ACCESSORIES**
- Operating manual Manumed Optimal and Special

**OPTIONAL ACCESSORIES**
- Paper roll holder, for 40, 50 & 60 cm rolls
- Set of 4 fixation rails for Manumed type 400 & 600
- Shoulder and armpit fixation horn, grey*
- Clamp for fitting straps (2 required)
- Clamp for fitting shoulder/armpit fixing support
- Shoulder and armpit fixation horn, grey*
- Clamp for fitting straps (2 required)
- Clamp for fitting shoulder/armpit fixing support

**TECHNICAL SPECIFICATIONS**
- Size tabletop (lxw): 198x67 cm
- Size headsection: 40x29 cm on Special 6-section
- Size armsection: 1x17 cm on Special 6-section
- Height adjustment: 45-95 cm for the Special 6-section
- 48-98 cm for the Special 6-section
- Lifting time (min.-max.): 25 sec.
- Lifting capacity: 150 kg
- Force hydraulic pump: 10.000 N
- Force electrical motor: 6.000 N
- Power supply: 100 / 120 / 208V AC 50/60 Hz
- Current consumption: 1.0 A max.
- Upholstery: 18 different colours available
- Colour code frame: grey = RAL 705
- White = RAL 9010
- Black = RAL 9005

**ORDERING DATA**

- Manumed Special 6-section, back-section, separate leg-sections, hydraulic H/L (type 419)
- Manumed Special 6-section, head-section, separate leg-sections, hydraulic H/L (type 429)
- Manumed Special 6-section, back-section, separate leg-sections, electric H/L (type 62)
- Manumed Special 6-section, head-section, separate leg-sections, electric H/L (type 429)
- Manumed Special 6-section, back-section, separate leg-sections, gas spring supported (type 62)
- Manumed Special 6-section, head-section, separate leg-sections, gas spring supported (type 429)

**STANDARD ACCESSORIES**
- Operating manual Manumed Optimal and Special

**OPTIONAL ACCESSORIES**
- Paper roll holder, for 40, 50 & 60 cm rolls
- Set of 4 fixation rails for Manumed type 400 & 600
- Shoulder and armpit fixation horn, grey*
- Clamp for fitting straps (2 required)
- Clamp for fitting shoulder/armpit fixing support
- Shoulder and armpit fixation horn, grey*
- Clamp for fitting straps (2 required)
- Clamp for fitting shoulder/armpit fixing support

**TECHNICAL SPECIFICATIONS**
- Size tabletop (lxw): 198x67 cm
- Size headsection: 40x29 cm on Special 6-section
- Size armsection: 1x17 cm on Special 6-section
- Height adjustment: 45-95 cm for the Special 6-section
- 48-98 cm for the Special 6-section
- Lifting time (min.-max.): 25 sec.
- Lifting capacity: 150 kg
- Force hydraulic pump: 10.000 N
- Force electrical motor: 6.000 N
- Power supply: 100 / 120 / 208V AC 50/60 Hz
- Current consumption: 1.0 A max.
- Upholstery: 18 different colours available
- Colour code frame: grey = RAL 705
- White = RAL 9010
- Black = RAL 9005

**ORDERING DATA**

- Manumed Special 6-section, back-section, separate leg-sections, hydraulic H/L (type 419)
- Manumed Special 6-section, head-section, separate leg-sections, hydraulic H/L (type 429)
- Manumed Special 6-section, back-section, separate leg-sections, electric H/L (type 62)
- Manumed Special 6-section, head-section, separate leg-sections, electric H/L (type 429)
MANUMED
Manumed Special Exercise couches

The Manumed Special line features various exercise couches for neurological movement therapy. These models have been specially developed for use with the Bobath and Vojta exercise methods. The Manumed has an extra broad frame on which the outsized treatment surface is mounted. The surface of 100 or 120x200 cm offers you and your patient ample space.

Moreover, a two-section version with an adjustable back segment is available. This lends a more universal character to the couch and provides support during lying and sitting exercises.

• Extremely large table top (100 or 120x200 cm)
• Electric or hydraulic height adjustment, 49-90 cm
• Easy to move with retractable castors
• High durable grey PUR-coated frame
• Comfortable padding, also at the sides of the table top
• Double, hygienic and washable upholstery
• Upholstery available in 18 colours

Specific options and accessories for the Manumed Special Exercise couch:
• A number of rolls, cushions and pillows for optimal support of your patient/client
• Choice of switches

STANDARD ACCESSORIES
• Electric height adjustment, 49-90 cm
• Raising set, grey, Model 2007
• Choice of switches
• Section width (100-120 cm)
• Stools and pillows
• Couch covers
• 2 different frame colours (grey and white)
• 18 different upholstery colours

OPERATING DATA
STANDARd ACCESSORS
1400912
Operating manual Manumed Optimal and Special

OPTIONAL ACCESSORIES
K
Choice of electric switches
3450069
Raising set, grey, Model 2007

TECHNICAL SPECIFICATIONS
Size tabletop (lxw): 200x100 cm (optional 120 cm width) for models 510 and 520
Size tabletop: 200x120 cm for models 511 and 521
Height adjustment: 4-9 cm
Fixed height: 55 cm for model 500
Lifting time (min.-max.): approximately 25 sec.
Lifting capacity: 150 kg
Force hydraulic pump: 10.000 N
Force electrical motor: 6.000 N
Power supply: 100 / 120 / 200V AC 50/60 Hz
Current consumption: 1.0 A max.
Upholstery: 18 different colours available
Colour code frame: grey = RAL 7035
white = RAL 9010

ORDERING DATA
5100390
Manumed Special Exercise 1-section (type 500)
5100400
Manumed Special Exercise 1-section, hydraulic H/L 4-9 cm (type 510)
5100401
Manumed Special Exercise 1-section, electric H/L 4-9 cm (type 520)
5100410
Manumed Special Exercise 2-section, hydraulic H/L 4-9 cm (type 511)
5100411
Manumed Special Exercise 2-section, electric H/L (type 521)

A-see page 37
I-see page 35

## Traction Couches

The traction couches in the Manumed Special line are fully equipped for cervical and lumbar traction. The rollable surface prevents friction to hip and legs during treatment. Because of this, the traction force which is applied on the patient equals the force produced by the traction unit, and does not depend on friction. The Eltrac, the Enraf-Nonius traction unit, can be mounted on to the Manumed Special Traction by means of the traction frame. The Manumed Special Traction is standard equipped with fixation rails for fitting thoracic and/or pelvic belts.

### Optional Accessories

- Paper roll holder, for 40, 50 & 60 cm rolls
- Paper roll holder for Manumed Optimal and Special, for 60 cm rolls
- Clamp for fitting straps (2 required)
- Clamp for fitting shoulder/armpit fixing support
- Shoulder and armpit fixation horn, grey*
- Thoracic belt for Manumed Traction
- Pelvic belt for Manumed Traction
- Traction frame for Manumed Optimal and Special H/L (width 400 mm)
- Mobile traction frame for cervical traction for the Manumed Special Traction type 004
- Traction frame Manumed Special Traction (width 480 mm)

### Technical Specifications

- **Size tabletop (lxw):**
  - 20x67 cm for models 916 and 926
  - 195x67 for 2 section model
- **Height adjustment:**
  - 45-95 cm for models 916 and 926
- **Fixed height (type 004):**
  - 8 cm for model 004
- **Lifting time (min.-max.):**
  - Approximately 25 sec.
- **Lifting capacity:**
  - 150 kg
- **Force hydraulic pump:**
  - 0.000 N
- **Force electrical motor:**
  - 6.000 N
- **Power supply:**
  - 100 / 120 / 20V AC 50/60 Hz
- **Current consumption:**
  - 1.0 A max.
- **Upholstery:**
  - 8 different colours available

### Color Code Frame

- Grey = RAL 7032
- White = RAL 9010

### Operating Manual

- Operating manual Manumed Optimal and Special
- Operating manual Manumed Optimal Special
- Operating manual Manumed Optimal Special H/L (width 400 mm)

### Ordering Data

- **Manumed Special Traction 2-section, fixed height (type 004):**
  - 3450066
- **Manumed Special Traction 4-section, hydraulic H/L (type 916):**
  - 3445021
- **Manumed Special Traction 4-section, electric H/L (type 926):**
  - 3445022

### Available Colors

- 8 different colors available
- Grey, White (RAL 7032 and 9010)

### Diagrams

- Diagrams of traction couches and accessories

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*Available in 13 colors, see pages 36*
The tilt table was specially developed with a continuously variable setting in order to move your patient from a horizontal to a vertical position. Electric setting at any angle desired between 0 and 85 degrees is possible.

The tilt table has extra large wheels, which makes the transfer more easy, even with a patient in tilted position. Your patient’s tilt can be either under the frame of the table, which makes transferring the patient easier and lighter. The tables are standard equipped with fixation rails for the use of special straps for the knees and upper trunk. Special additional accessories are an adjustable worktable and adjustable arm rests.

The electric motor is operated by a central hand switch, which can be done by either the patient or the therapist. The foot section can be completely folded backwards which makes this couch suitable for general examination as well as for treatment applications.

• Tilting table top from 0 to 85 degrees, silently and smoothly
• Fixation rails for belts and straps
• Electric height adjustment
• Easy to move with large wheels
• Comfortable padding, also at the sides of the tabletop
• Durable, hygienic and washable upholstery
• Upholstery available in 18 colours
• Also available for children

Specific options and accessories for the Manumed Special Tilt:
• Arm support option
• Work Table option
• Straps and belts

MANUMED Manumed Special Tilt

ORDERING DATA
3445015 Manumed Special Tilt 1 section (type 722)
3445016 Manumed Special Tilt 2 section (type 724)
3445017 Manumed Special Tilt 1 section with leg fixation rail (type 72)
3445018 Manumed Special Tilt 2 section with leg fixation rail (type 725)
The strength of the Manumed Standard treatment couches are their very simplicity. The Manumed Standard line features mobile treatment couches which are adjustable in height. The working height can be varied, hydraulically or electrically, between 50 cm and 90 cm. The head section couches have a standard cut-away for the nose, ensuring a more relaxed position for patients lying face down.

- Height adjustment (hydraulic or electric)
- Easy to move
- High durable grey PUR-coated frame
- Full and simple adjustment of the head or back section
- Comfortable padding, also at the side of the table top
- Durable, hygienic and washable upholstery
- Upholstery available in 18 colours

ORDERING DATA
350001 Manumed Standard 2-section, head-section, hydraulic (type 121), page 92
350001 Manumed Standard 2-section, head-section, electric (type 121), page 92
350002 Manumed Standard 2-section, back-section, hydraulic (type 111), page 91
350002 Manumed Standard 2-section, back-section, electric (type 122), page 91

TECHNICAL SPECIFICATIONS
Size tabletop (lxw): 1 95x67 cm
Height adjustment: 50-90 cm
Lifting time (min.-max.): approximately 27 sec.
Lifting capacity: 15 kg
Force hydraulic pump: 10.000 N
Force electrical motor: 6.000 N
Power supply: 100 / 120 / 220V AC 50/60 Hz
Current consumption: 1.0 A max.
Upholstery: 18 colours available
Colour code frame: grey = RAL 705

ORDERING DATA
350001 Manumed Standard 2-section, head-section, hydraulic (type 121), page 92
350001 Manumed Standard 2-section, head-section, electric (type 121), page 92
350002 Manumed Standard 2-section, back-section, hydraulic (type 111), page 91
350002 Manumed Standard 2-section, back-section, electric (type 122), page 91

STANDARD ACCESSORIES
350001 Manumed Standard 2-section, head-section, hydraulic (type 121), page 92
350001 Manumed Standard 2-section, head-section, electric (type 121), page 92
350002 Manumed Standard 2-section, back-section, hydraulic (type 111), page 91
350002 Manumed Standard 2-section, back-section, electric (type 122), page 91

OPTIONAL ACCESSORIES
3450051 Paper roll holder for Manumed Basic and Standard, 40 & 50cm rolls
3445280 Paper roll stand (floor type) for 40, 50 & 60 cm rolls
A Couch covers
I Stools and pillows
N 18 different upholstery colours

* Available in 18 colours, see page 29

A-see page 37  I-see page 37  N-see page 36
The Manumed Basic is a quality table for examination and treatment with a fixed working height of 80 cm and with easily adjustable head- or back section. The 2-section model features a solid, high-quality construction supported by 4 adjustable chrome legs to guarantee maximum stability. The head section model offers the possibility of a negative inclination, which is optimal for neck and shoulder treatment.

- Highly durable grey PUR-coated frame with mountable chrome legs
- Full and simple adjustment of the head- or back section
- Comfortable padding, also at the side of the table top
- Durable, hygienic and washable upholstery
- Upholstery available in 18 colours

ORDER DATA

3450001 Manumed Basic 2-section, back, fixed height (type 002)
3450010 Manumed Basic 2-section, head with nosehole, fixed height (type 001)

OPTIONAL ACCESSORIES

- 18 different upholstery colours
- Stools and pillows
- Couch covers
- 18 different upholstery colours

The simple, collapsible design of the portable massage couch and its lightweight build make it highly suitable for treating patients outside the practice.

- Lightweight but rigid aluminium frame with foldable legs
- Fixed height 7 cm
- Table top of 56 cm width
- Mountable and adjustable head section with breathing hole
- Overall portable weight of only 15 kg
- Capable of carrying a load with a maximum of 15 kg

ORDER DATA

3450007 Portable massage couch, with head-section (type P001H)

TECHNICAL SPECIFICATIONS

Size tabletop (lxw):
170x56 cm
Fixed height:
7 cm
Carrying weight:
15 kg
Weight capacity:
15 kg
Upholstery:
grey (01)
Colour code frame:
aluminium

ORDER DATA

3450009 Manumed Basic 3-section, head section, fixed height (type 001)

TECHNICAL SPECIFICATIONS

Size tabletop (lxw):
195x67 cm
Fixed height:
8 cm
Weight capacity:
15 kg
Upholstery:
18 different colours available
Colour code frame:
grey = RAL 705, legs chrome

ORDER DATA

3450008 Portable massage couch, with head section (type P002H)

TECHNICAL SPECIFICATIONS

Size tabletop (lxw):
195x67 cm
Fixed height:
8 cm
Weight capacity:
15 kg
Upholstery:
18 different colours available
Colour code frame:
grey = RAL 705, legs chrome

ORDER DATA

3450004 Manumed Basic 3-section, back section, fixed height (type 002)

ORDER DATA

3450003 Manumed Basic 3-section, head section, fixed height (type 001)
The ManuXelect couch is characterised by the familiar stability and quality of all Enraf-Nonius products.

Ergonomics have not been neglected in the design of the examination- and treatment couch. With this ManuXelect couch you can place your patient in any position for comfortable treatment without placing any undue stress on yourself.

The ManuXelect couch is ideally suited for use where space is at a premium: the scissor mechanism of the couch means it takes up the minimum of space. The couch is adjusted in height by a linear movement, so that the sections move up and down, rather than sideways. This makes the ManuXlect couch ideal for use in combination with an exercise cage.

The robust design is a guarantee for excellent performance. The moving parts run on bearings, and the precision production and reliable motor will make the ManuXelect couch a valued addition to your practice. The easily adjustable sections and the comfortable upholstery will make the ManuXlect couch the centre of your treatment room and one your clients will greatly appreciate.

This couch is an excellent choice if you need a reliable couch for a restricted space.

- Height adjustment, 48,5-105 cm
- Sitting and lying positions
- Flexion position and Trendelenburg position possible
- High durable grey PUR-coated frame
- Full supported adjustment of the head-, back- or middle-section
- Comfortable padding, also at the sides of the latum
- Durable, hygienic and washable upholstery
- Upholstery available in 6 colours
- Standard with breathing hole and plug

The ManuXelect couch is ideally suited for use where space is at a premium: the scissor mechanism of the couch means it takes up the minimum of space. The couch is adjusted in height by a linear movement, so that the sections move up and down, rather than sideways. This makes the ManuXlect couch ideal for use in combination with an exercise cage.

The robust design is a guarantee for excellent performance. The moving parts run on bearings, and the precision production and reliable motor will make the ManuXelect couch a valued addition to your practice. The easily adjustable sections and the comfortable upholstery will make the ManuXlect couch the centre of your treatment room and one your clients will greatly appreciate.

This couch is an excellent choice if you need a reliable couch for a restricted space.

- Height adjustment, 48,5-105 cm
- Sitting and lying positions
- Flexion position and Trendelenburg position possible
- High durable grey PUR-coated frame
- Full supported adjustment of the head-, back- or middle-section
- Comfortable padding, also at the sides of the latum
- Durable, hygienic and washable upholstery
- Upholstery available in 6 colours
- Standard with breathing hole and plug

The ManuXelect couch is characterised by the familiar stability and quality of all Enraf-Nonius products.

Ergonomics have not been neglected in the design of the examination- and treatment couch. With this ManuXelect couch you can place your patient in any position for comfortable treatment without placing any undue stress on yourself.

The ManuXelect couch is ideally suited for use where space is at a premium: the scissor mechanism of the couch means it takes up the minimum of space. The couch is adjusted in height by a linear movement, so that the sections move up and down, rather than sideways. This makes the ManuXlect couch ideal for use in combination with an exercise cage.

The robust design is a guarantee for excellent performance. The moving parts run on bearings, and the precision production and reliable motor will make the ManuXelect couch a valued addition to your practice. The easily adjustable sections and the comfortable upholstery will make the ManuXlect couch the centre of your treatment room and one your clients will greatly appreciate.

This couch is an excellent choice if you need a reliable couch for a restricted space.

- Height adjustment, 48,5-105 cm
- Sitting and lying positions
- Flexion position and Trendelenburg position possible
- High durable grey PUR-coated frame
- Full supported adjustment of the head-, back- or middle-section
- Comfortable padding, also at the sides of the latum
- Durable, hygienic and washable upholstery
- Upholstery available in 6 colours
- Standard with breathing hole and plug

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A stable, reliable, durable and affordable massage table. We are proud to present the Manu-Meco!

The Manu-Meco is a massage table of the highest quality, yet within the budget of every practice. The Manu-Meco is automatically adjustable, from 48 to 98 cm. The motor is barely audible. People weighing up to 120 kg can lie comfortably on the Manu-Meco, which comes standard with a breathing hole, and is available with two or three sections. The Manu-Meco has comfortable, padded upholstery, in a choice of three attractive colours.

A customer-friendly table at an attractive price!

TECHNICAL SPECIFICATIONS

MANU-MECO 2-SECTION

Tabletop (cm)-Size: 198 x 67

Section 1 (cm)-Size: 92-67 (including nose-hole but without plug [optional])

Section 2 (cm)-Size: 106 x 67

Height adjustm. (cm): 45 - 100

Weight: 6 kg

Max client weight: 120 kg

Coating: Powder coated frame RAL 70 5

Actuator and controller: LAK4 Controller

Input Voltage: AC 20V

Output power: 72.5W (24VDC)

Duty cycle: 10%

Working temp: -5°C ~ 50°C

Protection: IP 54

MANU-MECO 3-SECTION

Tabletop (cm)-Size: 198 x 67

Section 1 (cm)-Size: 50-67 (including nose-hole but without plug [optional])

Section 2 (cm)-Size: 52 x 67

Section 3 (cm)-Size: 91 x 67

Height adjustm. (cm): 45 - 100

Weight: 6 kg

Max client weight: 120 kg

Coating: Powder coated frame RAL 70 5

Actuator and controller: LAK4 Controller

Input Voltage: AC 20V

Output power: 72.5W (24VDC)

Duty cycle: 10%

Working temp: -5°C ~ 50°C

Protection: IP 54
**A Manumed for every interior**

An attractive setting is especially important in physiotherapy practices. Clients want to feel at ease in the room where they are treated. As every practice is furnished differently and in its own colour scheme, we believe it is important that the treatment bench also fits in with your concept and atmosphere. That is why we produce the Manumed treatment bench in several colours of frame and leatherette. The leatherette covering is available in both hard-wearing and glossy finishes.

You can see the range of options in the diagram. If you find it hard to decide, we will be happy to advise.

### Colours frame

<table>
<thead>
<tr>
<th>Colour</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>010</td>
</tr>
<tr>
<td>Grey</td>
<td>020</td>
</tr>
<tr>
<td>Silver Blue</td>
<td>030</td>
</tr>
<tr>
<td>Cream Leather</td>
<td>040</td>
</tr>
<tr>
<td>Orange</td>
<td>050</td>
</tr>
<tr>
<td>Red</td>
<td>070</td>
</tr>
<tr>
<td>White</td>
<td>080</td>
</tr>
<tr>
<td>Lavender</td>
<td>090</td>
</tr>
<tr>
<td>Blue</td>
<td>100</td>
</tr>
<tr>
<td>Black</td>
<td>120</td>
</tr>
<tr>
<td>Green</td>
<td>130</td>
</tr>
<tr>
<td>Yellow</td>
<td>140</td>
</tr>
</tbody>
</table>

### Colours upholstery

<table>
<thead>
<tr>
<th>Colour</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>160</td>
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<tr>
<td>Grey</td>
<td>170</td>
</tr>
<tr>
<td>Red</td>
<td>180</td>
</tr>
<tr>
<td>Brown</td>
<td>190</td>
</tr>
<tr>
<td>Beige</td>
<td>200</td>
</tr>
</tbody>
</table>

### Colour code

- **Black**: #010
- **Grey**: #020
- **Silver Blue**: #030
- **Cream Leather**: #040
- **Orange**: #050
- **Red**: #070
- **White**: #080
- **Lavender**: #090
- **Blue**: #100
- **Black**: #120
- **Green**: #130
- **Yellow**: #140

### Couch covers

- **Dark red**
- **Bordeaux**
- **White**
- **Lavender**
- **Jade**
- **Mint**
- **Wine red**
- **Signal red**
- **Yellow**
- **Beige** (standard)

### Elastic straps

- **Blue**
- **White**
- **Lavender**
- **Jade**
- **Mint**

### Soft wheels

- **Blue**
- **White**
- **Lavender**
- **Jade**
- **Mint**

### Couch covers

- **Dark red**
- **Bordeaux**
- **White**
- **Lavender**
- **Jade**
- **Mint**
- **Wine red**
- **Signal red**
- **Yellow**
- **Beige** (standard)
### Pillows

<table>
<thead>
<tr>
<th>Product</th>
<th>Colour code</th>
<th>Colour code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Halfroll, flat bottom, especially for the knee</td>
<td><img src="image1" alt="" /></td>
<td><img src="image2" alt="" /></td>
</tr>
<tr>
<td>Halfroll, flat bottom, small, dim. 28x9x11 cm, especially for the ankle</td>
<td><img src="image3" alt="" /></td>
<td><img src="image4" alt="" /></td>
</tr>
<tr>
<td>Halfroll, flat bottom, large, dim. 56x16x18 cm</td>
<td><img src="image5" alt="" /></td>
<td><img src="image6" alt="" /></td>
</tr>
<tr>
<td>Halfroll, flat bottom, dim. 50x18x10 cm</td>
<td><img src="image7" alt="" /></td>
<td><img src="image8" alt="" /></td>
</tr>
<tr>
<td>Halfroll, flat bottom, dim. 56x25x15 cm</td>
<td><img src="image9" alt="" /></td>
<td><img src="image10" alt="" /></td>
</tr>
<tr>
<td>Massage roll, dim. 50xØ15 cm</td>
<td><img src="image11" alt="" /></td>
<td><img src="image12" alt="" /></td>
</tr>
<tr>
<td>Neck cushion, hourglass type</td>
<td><img src="image13" alt="" /></td>
<td><img src="image14" alt="" /></td>
</tr>
<tr>
<td>Massage cushion, dim. 34x27x8 cm</td>
<td><img src="image15" alt="" /></td>
<td><img src="image16" alt="" /></td>
</tr>
<tr>
<td>Face cushion, dim. 31x27x8 cm</td>
<td><img src="image17" alt="" /></td>
<td><img src="image18" alt="" /></td>
</tr>
<tr>
<td>Wedge shaped cushion, dim. 50x30x15 cm</td>
<td><img src="image19" alt="" /></td>
<td><img src="image20" alt="" /></td>
</tr>
<tr>
<td>Wedge shaped cushion, dim. 50x40x30 cm</td>
<td><img src="image21" alt="" /></td>
<td><img src="image22" alt="" /></td>
</tr>
<tr>
<td>Wedge shaped cushion, dim. 50x40x12 cm</td>
<td><img src="image23" alt="" /></td>
<td><img src="image24" alt="" /></td>
</tr>
<tr>
<td>Exercise roll, 100xØ30 cm</td>
<td><img src="image25" alt="" /></td>
<td><img src="image26" alt="" /></td>
</tr>
<tr>
<td>Plug for nose hole, small</td>
<td><img src="image27" alt="" /></td>
<td><img src="image28" alt="" /></td>
</tr>
<tr>
<td>Balance board, dim. 150x60x17 cm</td>
<td><img src="image29" alt="" /></td>
<td><img src="image30" alt="" /></td>
</tr>
</tbody>
</table>
The Enraf-Nonius websites

Enraf-Nonius’s customers are always the first to be informed about its extensive product range, updates, services and events.

Not only in this catalogue you can find information about our products. On our different websites we bring you the latest developments, updates, useful tips and information about our services.

Our international website, www.enraf-nonius.com is full of product news, handy links and all the latest news in the field of physiotherapy.

www.en-track.com is a valuable source of information for customers using EN-Track, the renowned, high quality software for our exercise equipment. Licence holders can download updates from this site.

www.enprojects.com gives a glimpse into the world of our project organisation EN-Projects, a leading, global specialist in Turn Key Medical Equipment that focuses on large-scale projects in hospitals and rehabilitation centres.

Our websites are designed for you, keeping you constantly up-to-date with the latest developments at Enraf-Nonius.