



lymphamat[®]

GRADIENT

12

Gradient intermittent compression
for specific treatment of lymphatic oedema

12-level system

- gradient treatment pressure
- overlapping air chambers
- pneumatic controlled system

passion for compression



BÖSL

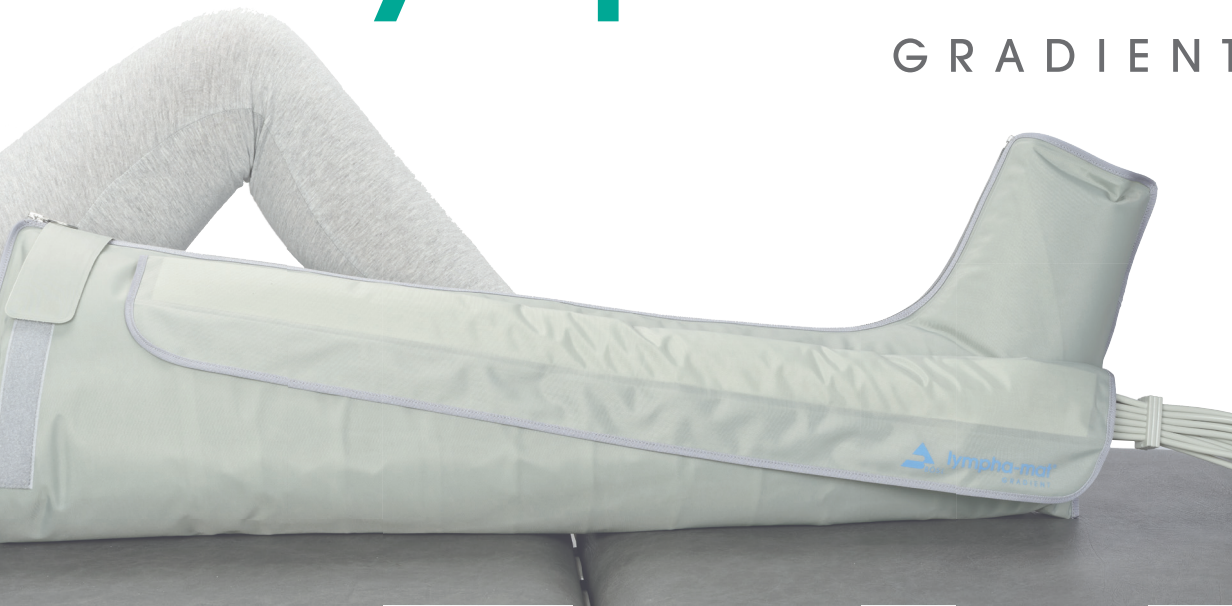
www.lymphamat.de



lympho-mat®

GRADIENT

12



The Gradient System

Next to manual lymphatic drainage, intermittent pneumatic compression has been firmly integrated into up-to-date physical decongestion therapy. Its effectiveness is demonstrated and documented in numerous studies.

The 12-level system **lympho-mat® GRADIENT** has been established and successful for many years. It is known worldwide for its pneumatic pressurization with the gradient principle, and for its overlapping air chamber system integrated in the treatment sleeves.

lympho-mat® GRADIENT is suited for all kinds of limb oedema, having its focal point in the treatment of lip-oedema, lymphatic oedema and mixed forms – in clinical, ambulant and domestic fields.

This gradient treatment pressure generates a physiologically effective pressure gradient whereby the fluid mobilised by the pressure built up in the overlapping chambers can disperse unhindered and without return flow. A significantly minimized pressure at the sleeve's end relieves the adjacent drainage area and is highly positive on lymphatic oedema.

The concept of gradient intermittent compression is a result of extensive medical research. It was developed following the manufacturing of compression stockings and thrombosis stockings.

The air chambers have hand's breath and overlap at 50%. In combination with gradient pressure they prevent interchanging flowing which has an unphysiological strain on the valves, and effectively promote the venous and lymphatic reflux. The tissue is decongested, metabolism and gas exchange are significantly improved.

The convincing therapy results of **lympho-mat® GRADIENT** set new standards in pneumatic decongestion therapy for over 40 years.



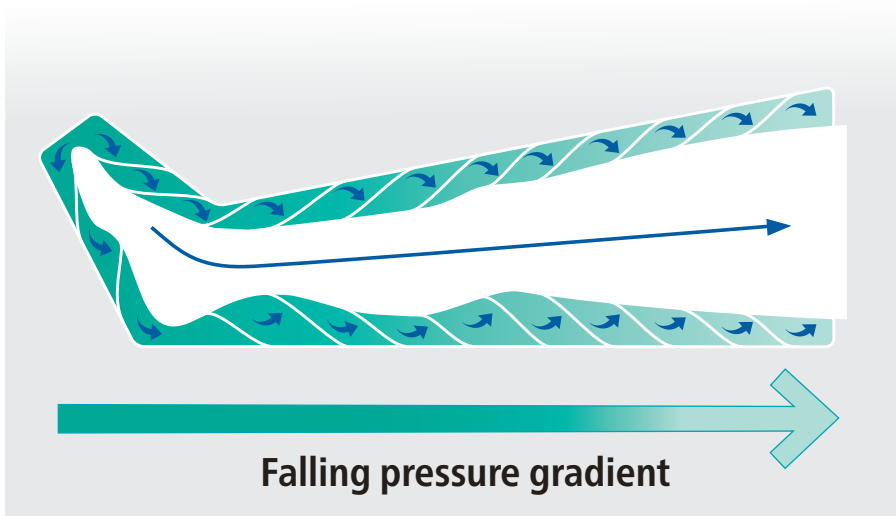
24-chamber compression trousers with belt
Belt also available separately for the jacket sleeve

compression-trousers with 24 air chambers
hip circumference up to 145 cm
thigh circumference 83 cm
available in size S

The Principle

In one compression cycle, a sleeve's twelve overlapping chambers successively filled with air in twelve levels, ascending in a proximal direction.

All the chambers remain filled with air until the last chamber has attained the desired pressure. The air is then released simultaneously from all twelve chambers, and after an interval the inflation cycle begins once again.



The Treatment Sleeves

The modern treatment sleeves that are easy to use result from our 40 years of experience in the field of intermittent compression.

Our light-weight sleeves consist of only high-quality materials which are extremely robust, easy to clean, disinfectable and fully tolerated by the body. They meet DIN EN ISO standards and thus pass strict biological tests.

The internal air chamber system contains twelve overlapping air chambers produced in long-life polyurethane. It is covered with a special textile which is dirt-repellant and easy to clean in daily use. Multiple plugs, zippers and Velcro fastenings simplify the handling.



The Therapy Device

lympho-mat® GRADIENT is a byword for modern and effective decongestion therapy in twelve levels. The gentle and quickly noticeable effects of the **lympho-mat® GRADIENT** system make it one of today's preferential therapy devices. Easy handling, modern treatment sleeves and high acceptance amongst practitioners, medical attendants and patients distinguish this product.

lympho-mat® 300 N GRADIENT, developed especially for domestic use, is robust and high-performing. The gradient pressurization decongests gently over twelve levels, and the fixed interval of 15 seconds gives time enough to exploit the lymphangiomotoric cycles.

Selfmanagement and home therapy

Vascular diseases are chronic diseases. A chronic disease needs dedicated compression therapy. This therapy can be easily implemented at home with the **lympho-mat® GRADIENT** after prescription by a doctor.

The patient is best equipped and can independently determine when to start the daily treatment. In case of acute complaints the patient can react instantly. The daily use of lympho-mat in combination with other treatment options (i.e. manual lymph drainage, compressions stockings) supports the patient in the self management of the therapy.

Home therapy is expedient in the case of increasing need of therapy, chronic syndromes, drug intolerance (e.g. diuretics), or intolerance of permanent compression.

In justified individual cases, the health insurance fund will cover the costs of the device. The doctor treating you monitors the therapy.



24-chamber compression trousers

also available with extension



leg sleeve with 12 air chambers

full-length zip, Velcro fastening

Size M: thigh circumference 75 cm, length 85 cm

Size L: thigh circumference 88 cm, length 85 cm

available as a short version

Expansion fitting with one air chamber

for 12-chamber leg sleeve

for 24-chamber compression-trousers

circumference expansion 13 cm



Tube extension

Length 2 m for all

12-chamber sleeves



arm sleeve with 12 air chambers

Velcro fastening

upper arm circumference up to 58 cm, length 71 cm



left/right or whole jacket sleeve

with 12 air chambers

waist circumference up to 134 cm,

upper arm circumference up to 55 cm

Optionally available with belt and extension

Indications

- thromboembolic prophylaxis
- post-thrombotic syndrome
- ulcer cruris
- venous oedema
- post-traumatic oedema
- minor lymphatic oedema
- lipoedema
- mixed forms of oedema
- peripheral arterial occlusive disease under strict observation
- sensory disturbance caused by hemiplegia

Contraindications

- decompensated cardiac insufficiency
- extensive thrombophlebitis, thrombosis or suspected thrombosis
- erysipelas
- severe un stabilised hypertension
- acute soft-part-trauma of extremities
- neuropathy
- occlusive processes in the sector of lymphatic drainage

The control devices and treatment sleeves are maintenance-free.

All treatment sleeves are produced of a high quality and long-life special textile. The material is dirt-repellent and easy to clean.

5 years guarantee on control devices & 2 years guarantee on sleeves.



lympa-mat® 300 N



- connection for 2 treatment sleeves
- gradient pressurisation over twelve levels
- pressure setting 20-100 mmHg
- integrated timer / automatic disconnection
- 15 sec. interval
- dimensions: w 36 cm, h 14 cm, d 34 cm
- weight: 5.6 kg

Made in Germany

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