

vasoflow® GRADIENT 3

Gradient intermittent compression
for specific treatment of venous oedema

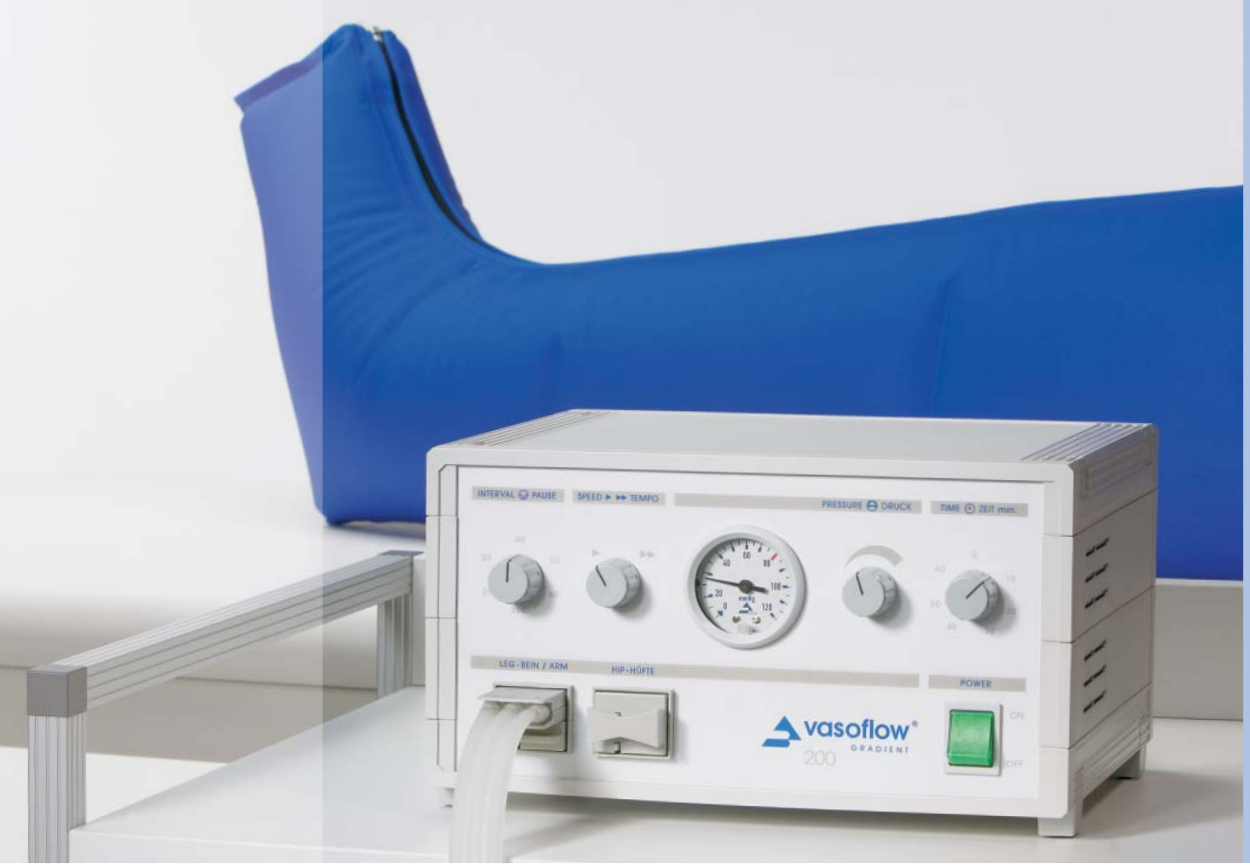
3-chamber-system

· gradient treatment pressure

· pneumatic controlled system

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The Gradient System

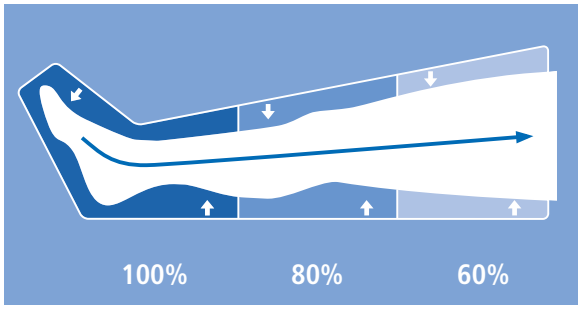
Intermittent pneumatic compression has been firmly integrated into up-to-date decongestion therapy and prophylaxis of oedema diseases, in clinical, ambulant and domestic fields. Its effectiveness is demonstrated and documented in numerous studies.
The gentle and quickly noticeable effects of gradient systems make them one of today's preferential therapy devices.

The 3-chamber-system **vasoflow®** GRADIENT has its focal point in the treatment of venous oedema. Pneumatic pressurization combined with the gradient principle shows quick results.
Gradient pressure generates a physiologically efficient pressure decline. Thus the fluid mobilized in the high pressure range (100%) may pass unhamperedly through the low pressure levels (80% and 60%).

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 Principle

In one compression cycle, a sleeve's three chambers are filled with air in succession, ascending in a distal direction. Chamber 1 to 100%, chamber 2 to 80% and chamber 3 to 60% of the set pressure. All chambers remain filled with air until the last chamber has attained the desired pressure.



The air is then released simultaneously from all three chambers, and after an interval the inflation cycle begins once again.
Pressure gradient generates a smooth and gentle decongestion with an effect on tissue layers and vessels. The tissue is decongested, venous reflux promoted. It also brings a lasting improvement to metabolism and gas exchange.

Convincing therapy-results with **vasoflow®** GRADIENT and a high acceptance by patients and doctors alike characterize this therapy device.

vasoflow® GRADIENT 3

The Treatment Sleeves

The up-to-date and easy-to-use treatment sleeves are produced in a special easy-care textile which is particularly kind to the skin. The sleeves are available for arms, legs and hip. They meet DIN EN ISO standards and thus pass strict biological tests.

Arm and leg sleeves have a full-length zip which facilitates fitting and cleaning. The additional Velcro fastening allows an optimal adjustment to the thigh. The hip sleeve can be changed in size individually.

Supportive Home Therapy

... is necessary in some cases and makes good economic sense. In case of chronic diseases, the therapy can be continued at home as directed by the doctor, providing considerable support. This reduces the number of physiotherapy sessions necessary and compensates in therapy-free periods.
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.

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



arm sleeve with 3 air chambers
full-length zip
upper arm circumference up to 60 cm, length 67 cm



leg sleeve with 3 air chambers
full-length zip, Velcro fastening
Size M: thigh circumference 70 cm, length 85 cm
Size L: thigh circumference 83 cm, length 85 cm



hip sleeve with 6 air chambers
variable Velcro fastening on front and rear
hip circumference adjustable up to 150 cm, length 38 cm

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Indications

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

Contra-indications

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

• Certified Management System
• ISO 13485:2003

CE 0197

2 years device guarantee.
The units and treatment sleeves are maintenance-free.

vasoflow® 200 GRADIENT



recognized therapeutic aid

- connection for 3 sleeves
- simultaneous treatment of 2 legs and hip possible
- graduated pressurization
- exact setting of the individual treatment parameters possible
- two-stage compression speed
- pressure settings 20 - 100 mmHg
- interval controller for setting the interval between compression cycles, 20 - 60 sec.
- integrated timer / automatic disconnection
- patient-operated switch (remote control)
- high-performance unit for continuous operation
- dimensions: w 29 cm, h 17 cm, d 21 cm
- weight: 4.4 kg

vasoflow® 100 GRADIENT



recognized therapeutic aid

- connection for 2 sleeves
- graduated pressurization
- pressure setting 20 - 80 mmHg
- 20 sec. interval
- dimensions: w 23 cm, h 13 cm, d 21 cm
- weight: 3.6 kg

Made in Germany

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