



**var**<sup>v</sup>**icase**<sup>®</sup>

**Product Brochure**



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## General Features and Indications

Varicase Medical Compression Stockings and Socks are designed using years of knowledge and experience to give users the best possible medical benefits according to the CEN/TR 1581:2009 Medical Compression Stockings Standard, as well as added comfort. Our measurement system has been developed so that the stockings and socks can be accurately selected for every patient. The double-covered yarn which has excellent elasticity allows for long wear-life, and easy application and removal of the stockings and socks. The stockings are latex free and use materials that have the Oeko-Tex 100 certificate; minimising the risk of allergic effects on the skin. The stockings and socks are soft, breathable and have moisture absorbent features thanks to the special microfiber yarn. The thigh length stockings have a dotted silicone topband which prevents the stocking from slipping and also reinforces the compression on the leg. The classification of Varicase Medical Compression Stockings and Socks is defined by the pressure produced by the stocking or sock, which is measured at the ankle. Varicase Medical Compression Stockings and Socks have a graduated profile with maximum compression at the ankle, decreasing towards the thigh.

### INDICATIONS

- Primary and secondary varicosis.
- Chronic venous insufficiency.
- Varicosis and oedema during pregnancy.
- Thrombophlebitis (superficial).
- Thrombosis prophylaxis.
- Post-thrombotic syndrome.
- After surgical vein operation as well as to support sclerosis therapy.
- Postoperative and Posttraumatic oedema.
- Lymphoedema, Lipoedema, Angiodysplasia.
- Congestion states following immobility (arthrogenic congestion syndrome, in the case of paralysis and partial paralysis of the lower extremity, etc.)

**Note:** Your doctor must determine the compression class to wear. Regular medical checks are recommended to obtain proper treatment.

### CONTRAINDICATIONS

#### **Absolute contraindications:**

- Progressive periphery arterial congestion disease.
- Decompensated heart diseases.
- Septic phlebitis.
- Phlegmasia cerulea dolens.

#### **Relative contraindications:**

- Concomitant dermatosis.
- Incompatibility to compression stocking fabric.
- Sensibility disturbance of the limb.
- Progressive periphery neuropathy.

# Medical Compression Stocking Treatment

The veins return blood to the heart from all the organs of the body. The main problems of the veins include inflammation, clotting and defects that lead to distension and varicose veins. The legs contain two major groups of veins: the superficial veins, located in the fatty layer under the skin, and the deep veins, located in the muscles. Short veins connect the superficial and deep veins. Blood pressure in all veins is normally low and in the leg veins, low pressure can pose a problem. Blood has to flow from the leg veins upward to reach the heart when a person is standing. The deep veins play a major role in propelling blood upward. Located within the powerful calf muscles, these veins are forcefully compressed with every step. Varicose veins are enlarged superficial veins in the legs. The precise cause of varicose veins is unknown but is probably due to a weakness in the walls of the superficial veins. This weakness may be inherited. Over time, the weakness causes the veins to lose their elasticity. The deep veins contain one-way valves to keep the blood flowing up, not down. When valves become incompetent the cycle of unidirectional blood flow is interrupted and backflow of blood occurs. This is most significant when the backflow of blood occurs between the deep and superficial veins, as the increased pressure in the superficial veins will cause further valve incompetence. This is because the valve cusps no longer meet as a result of the stretching of veins. The overall effect of this increased superficial hydrostatic pressure is the formation of tortuous varicose veins. If this increased hydrostatic pressure is not treated it leads to chronic venous insufficiency which in turn, results in oedema, lipodermatosclerotic changes, varicose eczema and ulceration.

External compression applies controlled pressure to the skin. This then supports the superficial venous system, helping to reduce the increased hydrostatic pressure and redress the balance between the deep and superficial veins. This helps in reducing oedema and aiding venous return.

Unlike compression bandaging with its high working pressure, medical compression stockings exert a resting pressure. The daily build-up of pressure is controlled by the limited ability of the hosiery to stretch, so incompetent venous valves are approximated, venous return is accelerated, the fibrinolytic activity of the venous wall is increased and the risk of thrombosis reduced.

Medical compression stockings exert an external pressure which is greater at the ankle and reduces at the calf and thigh, thus increasing blood velocity within the deep venous system. The amount of applied pressure required is determined by the severity of the condition. Severe venous hypertension is associated with oedema, eczema, skin pigmentation, induration and ulceration. It can be seen that the management of these conditions will require a higher level of compression than conditions such as mild varicose veins and oedema.



# Measuring Guide

## HOW TO CHOOSE THE SIZE

Compare the measurements with those in the size table.

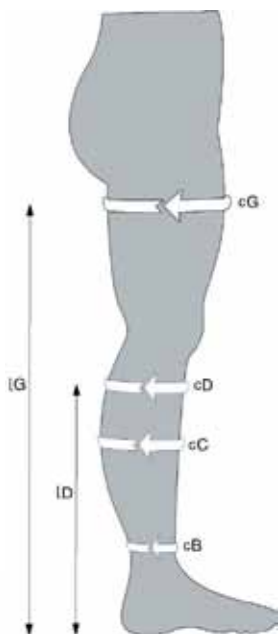
Do not apply stocking or sock if patient's measurements do not correspond to the size table

**Below Knee (BK) Stockings and Unisex Compression Sock (CS):**

- Measure the circumference of the ankle, just above the malleolus (ankle bone) (cB)
- Measure the widest point of the calf (cC)
- Measure the circumference below the knee, below the popliteal fossa (back of the knee) (cD)
- Measure the length of the lower leg, from below the popliteal fossa (back of the knee) to the floor (ID).

**Thigh Length (TL) Stockings:**

- Measure the circumference of the ankle, just above the malleolus (ankle bone) (cB)
- Measure the widest point of the calf (cC)
- Measure the circumference below the knee, below the popliteal fossa (back of the knee) (cD)
- Measure the widest point of the thigh (cG)
- Measure the length of the leg, from the widest point of the thigh to the floor (IG)



	Size (cm)				
Leg Circumference	S	M	L	XL	XXL
cB (Ankle)	20-22	22-24	24-26	26-28	28-30
cC (Calf)	30-37	33-40	35-43	37-45	39-47
cD (Below Knee)	29-36	32-39	34-42	36-44	38-46
cG (Thigh)	46-62	49-67	52-72	56-76	60-79

Length of Leg (cm)	
IG Normal	71-82
IG Petite	62-70
ID Normal	38-43
ID Petite	33-37

## RISKS AND SIDE EFFECTS

Inappropriate or excessive use of the stocking or sock without a medical practitioner's supervision may lead to skin necrosis, neural damage due to excessive pressure on the peripheral nervous system, local clot formation and thrombosis of the leg veins.

## PRECAUTIONS

Care must be taken to ensure accurate sizing and application of the stocking and sock. Should pain or skin irritations occur when the stocking or sock is worn please remove the stocking or sock immediately and consult a doctor or medical practitioner. Maintain regular foot care and wear well-fitting shoes. Do not attempt to repair the stocking or sock yourself as this may impair the quality and effect. The stockings and socks are largely resistant to ointments, skin moisture and other environmental factors: however certain combinations can reduce their durability. Be careful with jewellery and long fingernails as these can damage the stocking or sock.

## Below Knee and Thigh Length Stockings

CcI LIGHT COMPRESSION STOCKINGS (18-21 mmHg)	
Code	Product
9111	Light Compression Below Knee Closed Toe Stocking
9131	Light Compression Thigh Length Closed Toe Stocking
9110	Light Compression Below Knee Open Toe Stocking
9130	Light Compression Thigh Length Open Toe Stocking
CcII MEDIUM COMPRESSION STOCKINGS (23-32mmHg)	
Code	Product
9211	Medium Compression Below Knee Closed Toe Stocking
9231	Medium Compression Thigh Length Closed Toe Stocking
9210	Medium Compression Below Knee Open Toe Stocking
9230	Medium Compression Thigh Length Open Toe Stocking
CcIII STRONG COMPRESSION STOCKINGS (34-46 mmHg)	
Code	Product
9310	Strong Compression Below Knee Open Toe Stocking
9330	Strong Compression Thigh Length Open Toe Stocking



Thigh Length Medical Compression Stocking with Closed Toe



Thigh Length Medical Compression Stocking with Open Toe



Knee Length Medical Compression Stocking with Open Toe



Silicone Topband Which Prevents Stocking from Slipping

## Unisex Compression Sock

Varicase Medical Compression Socks are specially designed for both men and women's everyday needs.

Swollen, heavy, fatigued legs, and varicose veins can occur after prolonged periods of standing or sitting. Varicase Medical Compression Socks exert graduated compression on the leg to provide active and comfortable preventative care against these problems, whilst maintaining a stylish look.

- Range of 5 sizes (S-XXL)
- Black
- Stylish, ribbed design
- Microfiber yarn material with cushioned heel
- Easy application and removal
- The Unisex Compression Sock should be fitted using the instructions for Below Knee (BK) Stockings (see p4).

### Ccl II MEDIUM COMPRESSION UNISEX SOCKS (23-32mmHg)

Code	Product
9281	Medium Compression Unisex Sock





# Declaration of Conformity

**varimed**



## DECLARATION OF CONFORMITY

### MANUFACTURER

**Name:** Varimed Medikal Sanayi ve Ticaret Limited Sirketi  
**Address:** Terazidere Mah. Ciftehavuzlar Cad. No: 28-30 Bayrampasa 34035 Istanbul / TURKEY  
**Phone:** +90 212 493 02 34-35 **Fax:** +90 212 544 12 14  
**web:** <http://www.varimed.com.tr> **e-mail:** [info@varimed.com.tr](mailto:info@varimed.com.tr)

We, the undersigned, hereby declare that the described products meet the essential requirements listed in Medical Device Directive 93/42/EEC as ammended by 2007/47/EC.

**This declaration is based on:**  
Essential Requirements Listed in Directive 93/42/EEC

**Approval of a QMS System:**  
ISO 13485:2003

**This declaration is supported by:**  
Varimed Medikal San. ve Tic. Ltd. Şti.-Technical File

**Products:**  
Medical Compression Stockings,  
Anti-Embolism Stockings,  
Lymphoedema Armsleeves,  
Elastic Ankle Braces,  
Elastic Calf Braces,  
Elastic Knee Braces,  
Travel Stockings,  
Classification: Class I, Rule I

### SIGNED ON BEHALF OF THE MANUFACTURER:

**Name:** Dr. M. VOLKAN ÖZTÜRKATALAY  
**Position:** GENERAL MANAGER  
**Place:** İSTANBUL / TÜRKİYE  
**Date:** 25.08.2010

**Signature:**

# Quality Management Certificate

## CERTIFICATE OF REGISTRATION

### Quality Management System

*This is to certify that*

**Varimed Medikal Sanayi  
Ve Ticaret Ltd. Sti.  
Terazidere Mah.  
Çiftelavuzlar Cad. No:28  
Bayrampasa  
34035 Istanbul  
Turkey**



*Hold Certificate No: MD 563572*

*and operate a Quality Management System which complies with the requirements of ISO 13485:2003 for the following scope:*

**The design, manufacture and sales of medical compression stockings, anti-embolism stockings, lymphoedema armsleeves, elastic ankle braces, elastic calf braces, elastic knee braces, travel stockings and knitting orthoses and the import and selling of medical gloves.**

*For and on behalf of BSI:*

David W. Ford, Executive Director, Healthcare and Testing Services

First Issued: 20 Aug 2010

Date: 20 Aug 2010

Expiration Date: 19 Aug 2013



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This certificate remains the property of BSI and shall be returned immediately upon request.

The British Standards Institution is incorporated by Royal Charter.

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