

# MULTIGATE

## Vienna<sup>TM</sup>

Anti-Embolism Stockings



Perfect Fit Every Time

Cool and Comfortable

**Innovation Focus: Efficient Product Selection**



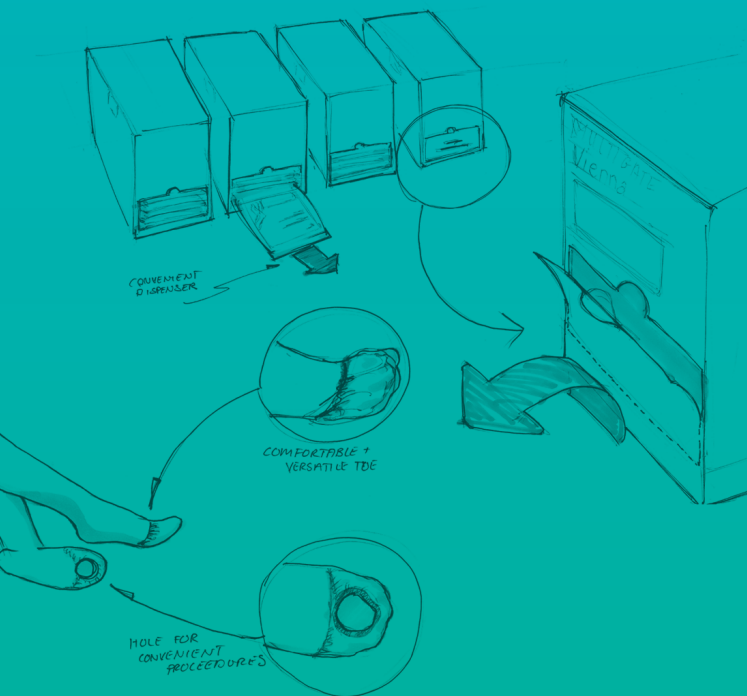
At Multigate we combine our deep understanding of how you work with our design capabilities to innovate and better serve you, your patients and our partners.

For 30 years we've created medical products, services and experiences that give you the advantage to perform at your best.

We continue to do this.

Inspiring performances and better patient outcomes that will lead the world of hospital care to new standards.

We are Multigate.



Addressing clinician concerns about measuring and selecting the right stocking for patients, we created the Vienna™ system which simplifies the storage and selection of anti-embolism stockings, ensuring every stocking is measured and fitted with ease.



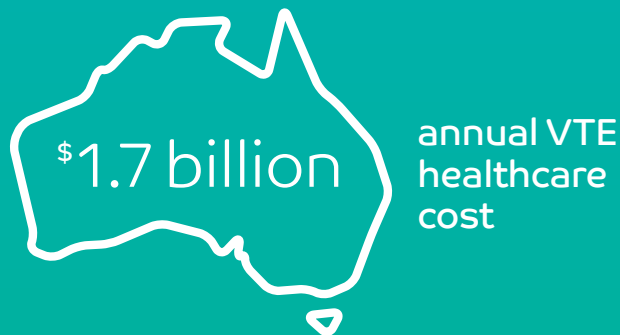
 **MULTIGATE**

— Venous thromboembolism (VTE) is the formation of blood clots in the vein. When a clot forms in a deep vein, usually in the leg, it is called a deep vein thrombosis or DVT.

VTE is a major health problem in Australia, costing the Australian healthcare system an estimated \$1.7 billion every year.<sup>1</sup>

With DVT being a major and costly contributor to morbidity and mortality for post-operative patients, we have designed the Vienna™ stocking range so that stockings can be easily measured, fitted and managed.

Our concise sizing range supported by our colour coded measuring tape and packaging system accommodates all sizing requirements, including bariatric patients, and offers a space saving solution that delivers a perfect fit every time.



<sup>1</sup> Access Economics. The burden of venous thromboembolism in Australia. Report for The Australia and New Zealand Working Party on the Management and Prevention of Venous Thromboembolism, 2008.



## OPTIMAL COMPRESSION

Studies have shown that when stockings are used alone, they can reduce incidence of DVT by 60%<sup>2</sup>.

60% less  
DVT  
incidence

Our Vienna™ stockings are independently tested to meet the compression profile required by the British Standard BS 6612 delivering an optimal graduated compression profile.

— Multigate Vienna™  
Anti-Embolism Stockings  
are an effective method  
of DVT prevention.

<sup>2</sup> Autar R (2009), 'A review of the evidence for the efficacy of Anti-Embolism Stockings (AES) in Venous Thromboembolism (VTE) prevention', Journal of Orthopaedic Nursing 13(1), pp. 41-49.

## PERFECT FIT EVERY TIME

The Vienna™ system makes it easy to fit patients with the correct stockings. With less points of measurement and a simple colour coded system, it's easy to select the right product first time, every time.

## CONVENIENT

A simple way to measure is always at hand with a single use ruler included with every pair of stockings.

A simple colour coded system that requires only two (for knee high stockings) or three (for thigh high stockings) measurements.

## MULTIGATE Vienna™ Anti-Embolism Stockings

Perfect fit every time — the Vienna system makes it easy to fit patients with the correct stockings. With less points of measurement and a simple colour coded system, it's easy to select the right product first time, every time.

### Knee

#### To determine size for knee high stockings:

- Measure ankle circumference to determine the size.
- Measure calf circumference to ensure the stocking fits within the parameters of the determined size.



#### KNEE HIGH STOCKING SIZES

	SIZE	ANKLE	CALF	HEEL TO BACK OF KNEE
XS	68-30	18-22	25.5-36	35-39
S	68-30	22-25	33-40	35-39
M	68-31	25-28	38-45	39-44
L	68-32	28-31	43-50	39-44
XL	68-33	31-34	46-53	39-44
XXL	68-34	34-37	49-56	40-45
XXXL	68-35	37-40	52-60	40-45

#### To apply knee high stockings:

- Insert hand into stocking down to heel pocket.
- Drag heel pocket and turn stocking inside out to heel area.
- Carefully pull stocking over foot and heel.
- Put stocking up to about 2.5 cm below bottom of knee rise. Smooth excess material out.

- Do not turn down top of stocking
  - Do not cover any part of the knee
- CAUTION:** Ensure the use of correct size stocking

### Thigh

#### To determine size for thigh high stockings:

- Measure ankle circumference to determine the size.
- Measure calf circumference to ensure the stocking fits within the parameters of the determined size.
- Measure thigh circumference to ensure the stocking fits within the parameters of the determined size.



#### THIGH HIGH STOCKING SIZES

	SIZE	ANKLE	CALF	THIGH	HEEL TO TOP OF THIGH
XS	68-40	18-22	25.5-36	44-54	62-70
S	68-41	22-25	33-40	50-62	62-70
M	68-41	25-28	38-45	56-68	70-80
L	68-42	28-31	43-50	62-74	70-80
XL	68-43	31-34	46-53	68-80	70-80
XXL	68-44	34-37	49-56	74-86	75-83
XXXL	68-45	37-40	52-60	80-92	75-83

#### To apply thigh high stockings:

- Insert hand into stocking down to heel pocket.
- Drag heel pocket and turn stocking inside out to heel area.
- Carefully pull stocking over foot and heel.
- Put the remaining stocking up to the top of the thigh. The thigh band sits 1 cm below the gluteal furrow. Smooth out the excess material and ensure there are no crosses.

- Do not turn down top of stocking
  - Ensure the use of correct size stocking
- CAUTION:**

### Contraindications

Stockings are not recommended for patients with the following conditions:

- Any leg condition in which stockings would interfere, such as:
  - dermatitis
  - venis ligations (immediate postoperative)
  - gangrene
  - recent skin graft

- Severe arteriosclerosis or any other ischemic vascular disease
- Massive oedema of legs or pulmonary oedema from congestive heart failure
- Extreme deformity of leg.



Colour coding is carried through to every level of packaging to ensure easy product selection.

A measurement ruler is included with every pair of stockings, so it is always at hand when needed.





## SIMPLE OBSERVATION

Patient observation is made easier by an inspection hole at the ball of the foot.

## SPACE SAVING

With its slim packaging and optimised sizing range, the Vienna™ solution ensures efficient storage while still catering for bariatric needs and the full array of size requirements.



## COOL AND COMFORTABLE

With their polyamide and spandex composition our Vienna™ stockings are designed to wick perspiration away from the skin keeping the patient cool and comfortable.

## LATEX FREE

The entire Vienna™ range is latex free, making it suitable for patients allergic to latex.



# Measurement

Correct measurement is essential for the patient to receive the optimal benefit from their stockings.

You will need the supplied ruler and the following size charts.

KNEE HIGH STOCKING SIZES

1

Measure **ankle circumference** to determine the size.

2

Measure **calf circumference** to ensure the limb fits within the parameters of the determined size.

SIZE	CODE	CIRCUMFERENCE (cm)		LEG LENGTH (cm)
		ANKLE	CALF	Heel to back of knee
XS	68-300	19-22	25.5-36	35-39
S	68-301	22-25	33-40	35-39
M	68-311	25-28	38-45	39-44
L	68-321	28-31	43-50	39-44
XL	68-331	31-34	46-53	39-44
XXL	68-341	34-37	49-56	40-45
XXXL	68-351	37-40	53-66	40-45

THIGH HIGH STOCKING SIZES

1

Measure **ankle circumference** to determine the size.

2

Measure **calf circumference** to ensure the limb fits within the parameters of the determined size.

3

Measure **thigh circumference** to ensure the limb fits within the parameters of the determined size.

SIZE	CODE	CIRCUMFERENCE (cm)			LEG LENGTH (cm)
		ANKLE	CALF	THIGH	Heel to top of thigh
XS	68-400	19-22	25.5-36	44-56	62-70
S	68-401	22-25	33-40	50-62	62-70
M	68-411	25-28	38-45	56-68	70-80
L	68-421	28-31	43-50	62-74	70-80
XL	68-431	31-34	46-53	68-80	70-80
XXL	68-441	34-37	49-56	74-86	75-83
XXXL	68-451	37-40	53-66	80-92	75-83

FAQ

Can the Vienna™ stockings fit morbidly obese patients?  
Yes, the Multigate Vienna™ stockings range can cater to XXXL patients with a calf circumference of up to 66cm and a thigh circumference of up to 92cm.

If I don't have the correct size available, can I put the patient in another size stocking?  
Please ensure your patient is wearing the correct size stocking. An incorrectly fitted stocking can have an adverse effect on your patient.

Do the Vienna™ stockings work when the patient is ambulatory?  
No, they are meant to work when the patient is in a supine position. When the patient is ambulatory, there is no need to wear the stockings as their movement will encourage blood flow. The stockings can however continue to be worn by ambulatory patients without harm.

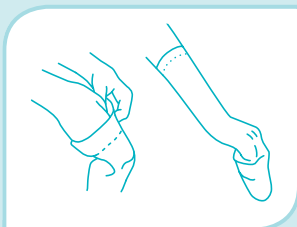
Can the patient take the stockings off when they go to bed?  
The stockings are designed to work when the patient is lying down. If the stockings need to be removed, it is best to do so for a short period of time when the patient is active, such as during a shower or when walking around.



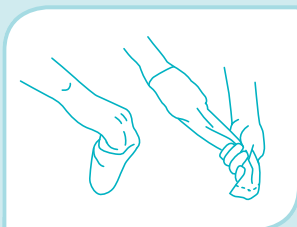
# Application

## TO APPLY KNEE HIGH STOCKINGS:

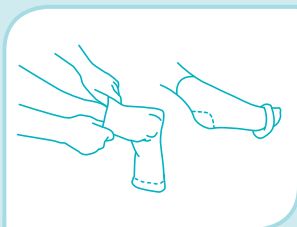
- 1 Insert hand into stocking down to heel pocket.



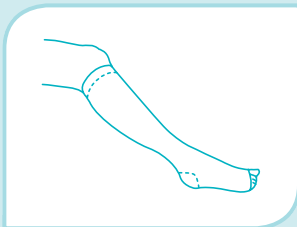
- 2 Grasp heel pocket and turn stocking inside out to heel area.



- 3 Carefully pull stocking over foot and heel.

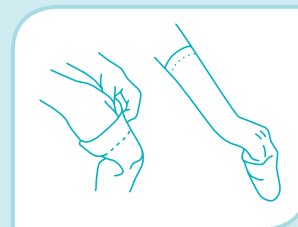


- 4 Pull stocking up to about 2.5-5cm below bottom of knee cap. Smooth excess material out.

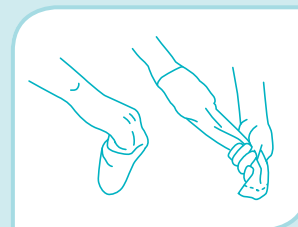


## TO APPLY THIGH HIGH STOCKINGS:

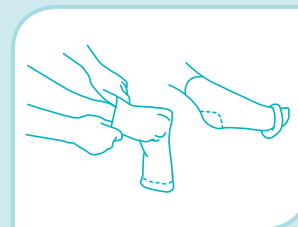
- 1 Insert hand into stocking down to heel pocket.



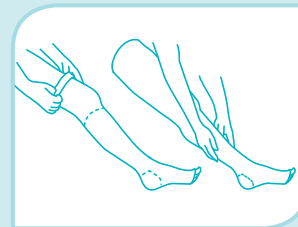
- 2 Grasp heel pocket and turn stocking inside out to heel area.



- 3 Carefully pull stocking over foot and heel.



- 4 Pull the remaining stocking up to the top of the thigh. The thigh band sits 1cm below the gluteal furrow. Smooth out the excess material and ensure there are no creases.



## Documentation

- Record size and style of stocking and date applied in patient's records.
- Record all inspections performed on patient.
- Record removal of stockings.

## Patient Observation and Maintenance

- Perform skin integrity check at least every 8 hours.
- If patient's legs are swollen or are fluctuating in size, remeasure patient whilst lying down every 24 hours to ensure they are wearing the correct size.
- Stockings can be washed up to 10 times. Please follow instructions on packaging.

## Contraindications

Stockings are not recommended for patients with the following conditions:

- X **Any leg condition in which stockings would interfere, such as:**
  - a. dermatitis
  - b. vein ligation (immediate postoperative)
  - c. gangrene
  - d. recent skin graft
- X **Severe arteriosclerosis or any other ischemic vascular disease**
- X **Massive oedema of legs or pulmonary oedema from congestive heart failure**
- X **Extreme deformity of leg.**

## Your expert opinion matters

Your feedback will help us to improve our products and power your performance. We would appreciate a quick appraisal.

What do you think of this product on a scale of 1-5 (1 being very poor and 5 being highly effective)

Easy to use?	Performance enhancing?	Would you recommend?
<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> Yes
<input type="radio"/> 2	<input type="radio"/> 2	<input type="radio"/> Maybe
<input type="radio"/> 3	<input type="radio"/> 3	<input type="radio"/> No
<input type="radio"/> 4	<input type="radio"/> 4	
<input type="radio"/> 5	<input type="radio"/> 5	

Empowering  
performance  
since 1986

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