

# Juzo Silver

## Silver and Lymphedema

Maintaining healthy skin is an important part of managing lymphedema. Since the lymphatic system is compromised in the affected limb, there is an increased risk of developing skin conditions and infections. Cuts, scratches and cracks in the skin can allow bacteria to enter the body and lead to cellulitis or lymphangitis.

Juzo® Silver lymphedema garments offer an antimicrobial solution from the start of treatment and throughout long-term compression therapy. They eliminate potentially harmful bacteria that can lead to infections or skin breakdown.



## X-Static® - The Silver Fiber®

X-Static® fibers are made using pure silver that is permanently bonded to the textile fiber. This provides continuous antimicrobial protection. Today X-Static® silver fibers are used in a wide range of products including wound care dressings, sports apparel, military combat uniforms, and footwear.



# Juzo Silver

## Safe and Naturally Antimicrobial

Juzo® Silver lymphedema garments are made using X-Static® – The Silver Fiber®. Silver is safe, natural, and for centuries has been medically recognized for its antimicrobial properties. Juzo® Silver lymphedema garments do not use chemicals to provide antimicrobial properties.

## Ionic Release

The antimicrobial effect of silver is generated by the release of silver ions. A release rate of at least one part per million (PPM) is required to offer effective antimicrobial efficacy. Juzo® Silver products offer a release rate well above the minimum requirement for antimicrobial activity.<sup>1</sup>

## Laboratory Tested

Juzo® Silver Strong and Juzo® Silver Varin compression garments were tested by North American Science Associates (NAMSA) for antimicrobial activity. The tests show that Juzo® Silver lymphedema garments are highly effective at killing bacteria; eliminating over 99% of both Staphylococcus Aureus and Streptococcus Pyogenes in under 2 hours<sup>2</sup>.

## Odor Reduction

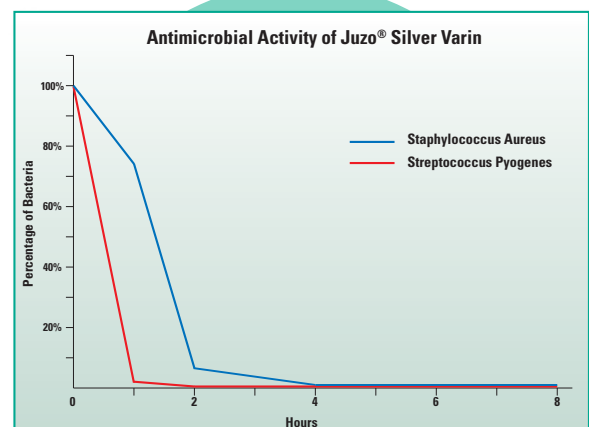
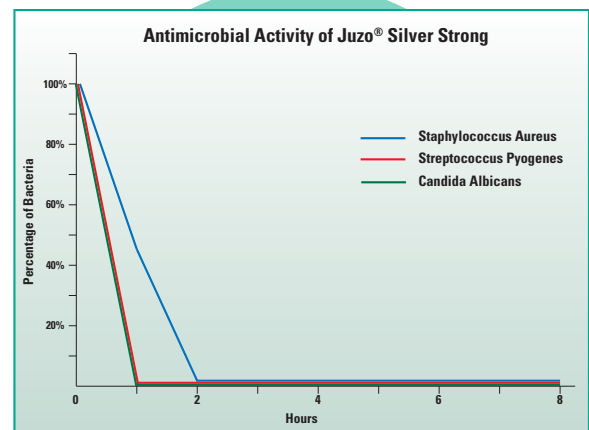
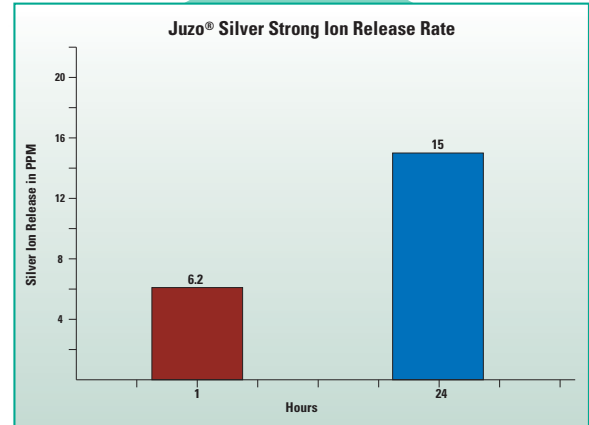
Some patients have conditions that may limit their personal hygiene. Juzo® Silver lymphedema garments eliminate bacteria that can cause odors. Silver also binds with odor causing ammonia and denatured proteins, leading to even greater odor reduction.

## Heat Dissipating

Silver is one of the most thermally conductive elements in the environment. Heat between the skin and garment is dissipated into the environment via the silver fibers. This promotes a more pleasant wearing experience.

## Moisture Wicking

Laboratory tests were performed comparing Juzo® Silver Strong with similar garments made without silver. The results show that Juzo® Silver Strong was more than three times as efficient at wicking moisture as compared to similar garments made without silver.<sup>3</sup> This added feature keeps the garment drier and more comfortable than garments made without silver.



## Juzo® Silver Strong

Juzo® Silver Strong lymphedema garments feature a dense, micro-massaging knit that provides excellent containment. Each garment is custom made to provide an optimal fit.

### Dense Knit

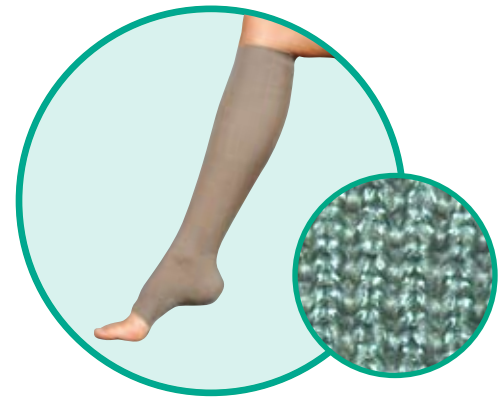
The dense knit of Juzo® Silver Strong lymphedema garments provides excellent containment and is ideal for moderate to severe cases of edema and lymphedema.

### Micro-Massaging Effect

The texture of the knit provides a micro-massaging effect when combined with the natural movement of the patient. This aids in the breakdown of fibrotic tissue.

### Made-to-Measure for a Precise Fit

Juzo® Strong garments are made to an individual's exact measurements. Due to its flat knit design, Juzo® Strong can be made to virtually any shape or size.



18-21 mmHg	23-32 mmHg	34-46 mmHg	50+ mmHg
18-21 mmHg	23-32 mmHg	34-46 mmHg	

• Gauntlets are not available in 34-46 mmHg.

## Juzo® Silver Varin

Juzo® Silver Varin lymphedema garments provide an optimal combination of therapeutic compression and an inconspicuous appearance.

### Seamless

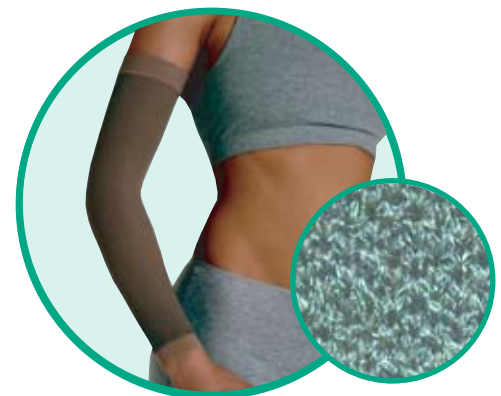
Juzo® Silver Varin lymphedema garments are circular knitted and provide a homogenous, opaque knit. This creates a seamless fit that helps cover skin blemishes.

### Therapeutic Knit

Juzo® Silver Varin lymphedema garments offer a denser knit than other widely used circular knit garments. This enables Juzo® Silver Varin garments to provide good containment for mild to moderate cases of edema and lymphedema.

### Made-to-Measure for a Precise Fit

Juzo® Silver Varin garments are available made-to-measure for a custom fit.



20-30 mmHg	30-40 mmHg	40-50 mmHg	

# Juzo Silver

## SilverSeal® X-Static Tubular Component

SilverSeal® X-Static® Tubular Component is used to provide a non-compressive protective layer between the skin and short stretch bandages. Made with X-Static® - The Silver Fiber®, this tubular component offers a patient the added benefits of silver early during therapy.

### Cost Effective Treatment

- Reusable and Washable
- Low cost per unit

### Applications

- Underlayer for bandages
- Use with night wrapping or under a night garment

### Sizing

Available in 25 yard rolls in 2", 3", 4" and 6" diameters



Julius Zorn, Inc  
3690 Zorn Drive  
Cuyahoga Falls, Ohio 44223

1 800 222-4999  
[www.juzousa.com](http://www.juzousa.com)

<sup>1</sup> Testing on Juzo garments was performed by Sauquoit Industries Advanced Materials Development Lab. Data on file

<sup>2</sup> Testing on Juzo garments was performed by North American Science Associates. Data on file.

<sup>3</sup> Testing on Juzo garments was performed by Hosiery Technology Center. Data on file

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