

# Vac-Lok™ Cushions Urethane

## CIVCO Technical Data Sheet



<b>Product Name</b>	Vac-Lok™ Cushions
<b>Product Number</b>	See Technical Details
<b>General Description</b>	Vac-Lok Cushions create a comfortable, secure and precise support around the patient when a vacuum is drawn through a self-sealing quick-release valve. Once the air is vacuumed out, the bag retains its shape and guarantees stability and reproducibility of the patient's position for up to six weeks.
<b>Indications for use</b>	The device is indicated to aid in supporting and positioning adult and pediatric patients undergoing radiation therapy including electron, photon, and proton treatments. The device is also used during image acquisition to support treatment planning.
<b>MRI Compatible</b>	MR Conditional – Product poses no known hazard in 1.5T and 3.0T MR environments. Vac-Lok valve creates minimal image artifact.
<b>FDA Clearance</b>	Yes
<b>CE Marked (EU DOC)</b>	Yes
<b>Other Country Registrations</b>	Available upon request
<b>Country of Manufacture</b>	USA

# Technical Details

**Primary Materials** Urethane, Polypropylene Beads

## Dosimetric Properties

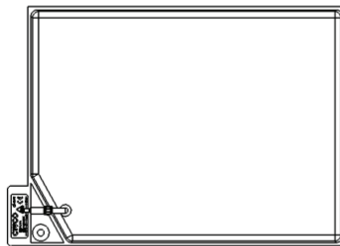
Location	Location Thickness	Transmission	Attenuation 6 (MV)	Attenuation 18 (MV)	Proton Water Equivalency (R80)
Center	1 in. (2.54 cm)	10 x 10	0.94	0.62	3.1 mm

Performance Specifications are for reference only, values may vary based on setup and equipment.

**Rigidity** Provides up to 90% more rigidity than prior CIVCO Vac-Lok™ (cream colored) bags

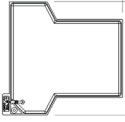
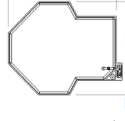

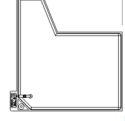

## Technical Drawings Rectangular Vac-Lok™ Cushions

Dimensions	Fill (Liters)	Product Number (Urethane)	Weight (approx)
25 x 50 cm	2.25	VLE225	1.3 lbs (0.59 kg)
50 x 70 cm	15	VLJ15	3.2 lbs (1.45 kg)
70 x 70 cm	20	VLJ20	3.9 lbs (1.77 kg)
70 x 100 cm	35	VLG35	6.1 lbs (2.77 kg)
70 x 100 cm	40	VLG40	6.8 lbs (3.08 kg)
75 x 100 cm	28	VLPLV01	5.1 lbs (2.31 kg)
75 x 120 cm	34	VLPLV02	5.9 lbs (2.68 kg)
75 x 150 cm	50	VLFB01	8.3 lbs (3.76 kg)
100 x 100 cm	40	VLB40	6.8 lbs (3.08 kg)



Urethane

**Technical Drawings**  
**Non-Rectangular Vac-Lok™ Cushions**

	<b>Dimensions</b>	<b>Fill (Liters)</b>	<b>Product Number (Urethane)</b>	<b>Weight (approx)</b>
	50 x 70 cm	6	VL37	1.9 lbs (0.86 kg)
	75 x 75 cm	20	VLARM01	3.9 lbs (1.77 kg)
	105 x 75 cm	28	VLARM02	5.1 lbs (2.31 kg)
	100 x 80 cm	34	VL04	5.9 lbs (2.68 kg)
	88 x 55 cm	15	VLWGB03	2.2 lbs (1.0 kg)

## Packaging

<b>Unit Pack</b>	Each
<b>Units / Box</b>	One device
<b>Shelf Life</b>	n/a
<b>Warranty</b>	<a href="#">See CIVCO website for Product Warranty Statement</a>
<b>Sterilization</b>	Non-Sterile
<b>Launch Date</b>	May 2018

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