

Vac-Lok™ Cushions

Urethane

CIVCO RT Technical Data Sheet



Product Name	Vac-Lok™ Cushions
Product Number	See Technical Details
General Description	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.
Indications for use	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.
MRI Compatible	MR Conditional – Product poses no known hazard in 1.5T and 3.0T MR environments. Vac-Lok valve creates minimal image artifact.
FDA Clearance	Yes
CE Marked (EU DOC)	Yes
Other Country Registrations	Available upon request
Country of Manufacture	USA

Technical Details

Primary Materials Urethane, Polypropylene Beads

Dosimetric Properties

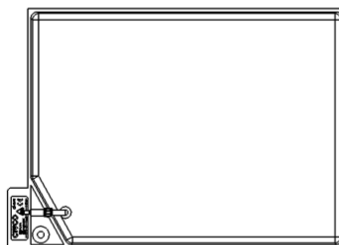
Location	Location Thickness	Field Size	Attenuation 6 (MV)	Attenuation 18 (MV)	Proton Water Equivalency (R80)
Center	1 in. (2.54 cm)	10 x 10	0.94	0.62	3.1 mm

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

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

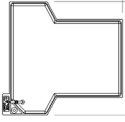
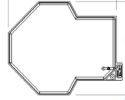
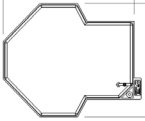

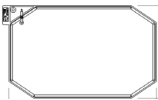
Technical Drawings Rectangular Vac-Lok™ Cushions

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

	Dimensions	Fill (Liters)	Product Number (Urethane)	Weight (approx)
	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

Unit Pack	Each
Units / Box	One device
Shelf Life	n/a
Warranty	See CIVCO RT website for Product Warranty Statement
Sterilization	Non-Sterile
Launch Date	May 2018

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