

Abdominal Aortic Tourniquet™ by Compression Works, LLC

Device Classification Name	Clamp, Vascular
510(K) Number	K112384
Device Name	ABDOMINAL AORTIC TOURNIQUET
Device Registrant	COMPRESSION WORKS LLC 1634-A Montgomery Hwy, #115 Birmingham, AL 35216
Regulation Number	21 CFR 870.4450
Classification Product Code	DXC
510(K) Decision Date	10/18/2011
Classification Advisory Committee	Cardiovascular
Weight	17 oz (482 g)
Cube	0.0833 ft ³
Distributor	Speer Operational Technologies 2131 Woodruff RD Suite 2100 #193 Greenville, SC 29607-5950
Distributor Contact Information	(888) 427-5231
Distributor Web Site	http://www.speeroptech.com
Part Number	AAT001
CAGE Code	63M48
Description	The Abdominal Aortic Tourniquet (AAT) utilizes a wedge shaped bladder that when inflated pushes in on the lower abdomen compressing all the structures within to include the descending aorta. The device is designed to stay in place during any movement of the casualty and to stop all blood flow to the pelvis and lower limbs. The FDA approves it for 60 minutes of application.
Technical Specifications	
Dimensions	9" (w) x 8" (d) x 2" (h) (23cm x 20cm x 5cm)
Pressurization	Manual, by inflator bulb
Deflation	Built-in 300 mm Hg relief valve and thumb screw valve
Gauge Accuracy	Pressure: 3mmHg
RF Weld Air Retention	20 PSI (1034 mm Hg) (138 kPa)
Operating Environment	-40° C to +85° C
Mildew Resistance	Fabric Passes Mil-STD.810 F
Blocking (bladder self-adhesion)	No Blocking at 180° F for 30 min
Low Temperature damage	No material defect at -60° F for 4 hours

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Clinical Specifications

Indications	Hemorrhage control device to be used in casualties with pelvic, inguinal or leg bleeding. The device is utilized for quick control of hemorrhage for initial assessment and for definitive treatment of severe bleeding in these areas.
Absolute Contraindications	Known abdominal aortic aneurysm and Pregnancy
Relative Contraindications	Abdominal penetrating trauma
Pressure to occlude aortic flow	230 mm Hg
Pressure when gauge is green	250 mm Hg
Relief Pressure	300 mm Hg

Engineering Parameters

Materials – Hard Components	Long carbon fiber reinforced thermoplastics
Materials – Bladder	Coated 200 Denier for RF welding
Materials – Belt	Nylon
Materials – Tubing	PVC (3/16 ID, 5/16 OD, SHORE A70)
Materials – Gauge	Plastic Inflation Gauge, 150-300 mmHg, with 300 mm relief with Y connector
Materials – Bulb	PVC, 5 oz inline pump with check valve and air release valve
Manufacturer Certification	ISO 9000, FDA Registered
Engineered in the USA	All components
Made in the USA	All components, final assembly and packaging

No Accessories available for the AAT

Packaging and Shipping	W x D x H (inches)	WT (lb.)	Cube (cubic feet)
Single Unit	9 x 8 x 2	1.06	0.083
5 Unit Box	12 x 10 x 6	6.1	0.416
25 Unit Box	32 x 12 x 12	31.2	2.666

MSRP \$525

NSN 6515-01-616-4999



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Packaged Abdominal Aortic Tourniquet™

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