



PTT-B80

Bleeding Control (B-CON) Task Trainer®

Patent Nos. US9,280,917, US10,115,322

TECHLINE® Device Specifications

March 11, 2022

Description-

The PTT-B80 Bleeding Control Part Task Trainer® is a simulated lower torso, featuring a full leg amputation and a gunshot wound to the inguinal crease. Using its PATENTED and PATENT PENDING mechanically responsive blood flow system, SOFTTECH® and ROCKTECH® materials, this realistic training device responds to the following medical interventions:

- tourniquet
- abdominal aortic tourniquet
- junctional tourniquet direct pressure
- proximal pressure
- wound packing

Construction-

The representative skin and tissue of the PTT-B80 is constructed of high quality silicone rubber, with layers of coloration that provide a depth and realism to the product. In addition, the SOFTTECH® material has a realistic feel, and is very durable and UV resistant. The skin also contains a reinforcing fabric that provides strength, and resistance to tear propagation should the skin be punctured or cut. The inner structure of the PTT-B80 is an aluminum casting, providing strength and durability. The casting has minimum wall thicknesses of 3/16 inch. This allows the student to use his body weight for proximal pressure. It has a machined interface providing easy, robust, screw-fit assembly to the lid. The mandrel incorporates anatomical landmarks that are palpable externally to aid in bleeding control device placement. The lid that covers the internal cavity of the PTT-B80 is fully-machined, black-anodized aluminum. It utilizes a recessed attachment face for the blood supply connectors to protect them from damage. The cover has a handle attached for easy-carry, and markings to indicate the correspondence between ports and wounds. The PATENTED & PATENT PENDING bleeding system is comprised of blood flow lines, tourniquet responsive mechanisms, and a packable wound structure. When the proper medical interventions are taken, the bleeding will stop.

Operation-

The blood supply line has a male fitting that is connected to the corresponding female fitting of a blood supply pump with a click-fit. The pump is utilized to provide simulated blood flow to the simulation. Wound packing is performed to stop the simulated blood flow.

Maintenance-

The simulation should be flushed with clean water at the end of use to clean out the simulated blood lines. The device should be rinsed in clean, warm water and allowed to dry before storage. The simulation may be removed from the storage case for cleaning. The device may be washed with mild detergents like dish soap or cleaned with a disinfecting agent like isopropyl alcohol or a diluted bleach solution, as it is durable, and chemically resistant. Allow the device to dry fully before storage to prevent mold or mildew growth.



PTT-B80 B-CON Trainer®