

A-A-51220  
20 November 1985

## COMMERCIAL ITEM DESCRIPTION

### TROUSERS, PNEUMATIC, ANTI-SHOCK

The General Services Administration has authorized the use of this commercial item description in preference to Military Specification MIL-T-37742A

This commercial item description covers anti-shock pneumatic trousers, with three inflatable chambers for applying pneumatic pressure to the abdomen, and legs, for use in emergency first aid treatment to relieve shock, restore blood pressure and counteract internal bleeding

#### Salient characteristics

The anti-shock pneumatic trousers shall consist of the outer garment with three individual, removable air chambers, three manually adjustable inflation/deflation valves, three relief valves, a foot operated air pump, inflation tubing with air distribution connector, operating instructions and a carrying case

The outer garment shall be constructed of a flexible, washable, non-shrinking, fabric material with hook and pile closures to secure the garment around the patient

The outer garment shall have provision for three separate, removable air chambers, one for each leg and one for the abdomen. The air chambers shall be constructed of a heat sealable material that is impervious to gases, and capable of maintaining an air pressure between 88 and 120 mm Hg, when installed in the outer garment with the hook and pile fasteners closed in the normal manner of use. Each air chamber shall be individually controlled, and shall be removable from the outer garment to facilitate necessary repairs and or replacement

The air input to each air chamber shall be controlled through a manually adjustable inflation/deflation valve, and a normally closed pressure relief valve set to automatically release pressures within the range of 104 mm Hg  $\pm$  15% and shall automatically return to the closed position at pressure not less than 80 mm Hg.

The foot operated pump shall consist of a closed dome shaped cavity, and be equipped with either integral or adjacent inlet and outlet valves. The air inlet valve shall be provided with a check valve to prevent air from being expelled through the inlet valve during the pump pressure stroke. The air output valve shall be provided with a check valve to prevent air from the pressurized garment from re-entering the pump.

The output of the foot operated air pump shall be distributed to the three air chamber input valves through appropriate use of X-type or Y-type connectors and suitable inflation tubing.

The carrying case shall be constructed of commercial grade high impact plastic, high density polyethylene, or durable nylon fabric material. The pneumatic trousers and all accessories shall fit in the closed carrying case. The carrying case shall be provided with a carrying handle and latching device.

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DISTRIBUTION STATEMENT A. Approved for public release, distribution is unlimited.

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Operating instructions for use of the pneumatic trousers shall be included in, or attached to, the carrying case in a manner that will insure durable, permanent legibility.

A repair kit shall be provided

Workmanship The anti-shock pneumatic trousers, all components and carrying case shall be free of defects which detract from their appearance or impair their serviceability.

Unit. Each (EA). One pair of pneumatic trousers with accessories positioned within the carrying case, as specified, constitutes one unit of issue.

Contractor certification The contractor shall certify that the product offered meets the salient characteristics of this description and conforms to the producers' own drawings, specifications, standards, and quality assurance practices. The Government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

Regulatory requirements.

Federal Food, Drug and Cosmetic Act. If the product covered by this document has been determined by the U. S. Food and Drug Administration to be under its jurisdiction, the offeror/contractor shall comply, and be responsible for compliance by its subcontractors/suppliers, with the requirements of the Federal Food, Drug and Cosmetic Act, as amended, and regulations promulgated thereunder. In addition, the offeror/contractor shall comply, and be responsible for compliance by its subcontractors/suppliers, with the requirements of all other applicable Federal, State, and local statutes, ordinances, and regulations

Recovered materials. The offeror/contractor is encouraged to use recovered material in accordance with Public Law 94-580 to the maximum extent practical.

Preservation, packaging, packing, labeling, and marking Unless otherwise specified, preservation, packaging, and packing shall be to a degree of protection to preclude damage to containers and/or contents thereof under normal shipping conditions, handling, etc., involving shipment from the supply source to the receiving activity, plus reshipment from receiving activity, and shall conform to applicable carrier's rules and regulations. Intermediate and exterior package quantities and labeling and marking shall be as specified in the contract and/or order

The following National Stock Number is covered by this document

6515-01-076-4713

Ordering data: (Intermediate/exterior package quantities, and labeling and marking must be specified in the contract and/or order.

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MILITARY INTERESTS:

Custodians.

Army-MD  
Navy-MS  
Air Force-03

PREPARING ACTIVITY:

DoD-MB

AGENT

DLA-DM

CIVIL AGENCY COORDINATING ACTIVITY.

VA-OSS

Project No. 6515-3407  
Loc. S3-4-24

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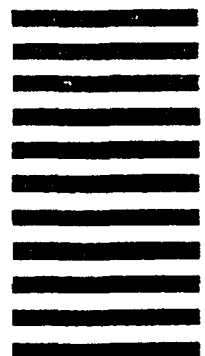
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## STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions - Reverse Side)

1 DOCUMENT NUMBER A-A-51220		2 DOCUMENT TITLE TROUSERS, PNEUMATIC, ANIT-SHOCK	
3a. NAME OF SUBMITTING ORGANIZATION		4 TYPE OF ORGANIZATION (Mark one)	
		<input type="checkbox"/> VENDOR <input type="checkbox"/> USER <input type="checkbox"/> MANUFACTURER <input type="checkbox"/> OTHER (Specify) _____	
3b. ADDRESS (Street, City, State, ZIP Code)			
5 PROBLEM AREAS			
a. Paragraph Number and Wording			
b. Recommended Wording			
c. Reason/Rationale for Recommendation			
6 REMARKS			
7a. NAME OF SUBMITTER (Last, First MI) - Optional		b. WORK TELEPHONE NUMBER (Include Area Code) - Optional	
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