

[ INCH-POUND ]

A-A-2888

December 5, 1994

Superseding

XX-P-746E

May 25, 1978

## COMMERCIAL ITEM DESCRIPTION

## PUMP , INFLATING, MANUAL

The General Services Administration has authorized the use of this commercial item description by all Federal agencies.

## 1. SCOPE

1.1 Scope. This commercial item description covers a manually operated air pump designed to inflate bicycle and automobile tires .

## 2. SALIENT CHARACTERISTICS

2.1 General. The pump shall be a manually operated tire air pump consisting of a pump cylinder, a plunger, plunger rod, handle, a cylinder top with bumper, a cylinder base with a hose connection and foot stirrups, a rubber hose, and a tire chuck for positive connection to a Schrader type tire valve.

2.2 Construction The pump cylinder shall be made of steel and shall be 23 inches (58.4 cm) minimum in overall length. The cylinder shall be straight and shall be free from burrs or irregularities and shall be securely connected to a base and a top. The base shall have a hose connection and two integral or folding foot stirrups. Each stirrup shall be 2-1/2 inches (6 4 cm) minimum long from the cylinder wall. The top shall be secured to the cylinder and not come loose during normal use. There shall be a bumper or spring on the cylinder top to cushion the downward movement of the plunger. The plunger shall be attached to a stainless steel or chromed steel rod and shall be constructed of material not requiring lubrication. The plunger rod shall have a handle at the top end. The handle shall be two handed, with each hand grip being 3-1/4 inches (8.3 cm) long minimum measured from the center of the plunger rod. The material and design shall allow 150 pounds to be applied for

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1 minute on each handgrip, 2 inches (5.1 cm) from the center (rod connection), with the cylinder securely supported, without deformation or damage. The top or the handle shall have a provision to hold the hose in storage. The hose shall be 24 inches (610 cm) long and shall have a working pressure exceeding 125 psi (862 kPa). The hose shall be securely connected to the cylinder base and to a quick-release, thumb-lock lever design tire chuck which shall be designed to be applied and removed easily from a standard Schrader type tire valve stem.

2.3 Assembly performance. The entire assembly shall be capable of pumping to 60 psi (414 kPa) without damage. No parts shall become loose during this operation.

2.4 Finish. Unless the metal material used is inherently corrosion resistant all metal parts shall be coated with an enamel or a corrosion resistant finish such as chrome, nickel, cadmium, or zinc.

2.5 Workmanship. The tire pump shall be of good quality construction and shall not become disassembled during normal use. The pump and all components shall be smooth and shall have no sharp edges or burrs. The packaging and packing shall not kink the hose.

2.6 Measurement system. The values stated in inch-pound units are to be regarded as the standard. The metric values stated in parentheses are for information purposes only.

2.7 Metric products. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, providing they fall within the tolerances specified using conversion tables contained in the latest revision of FED-STD-376, and all other requirements of this document are met. If a product is manufactured to metric dimensions and those dimensions exceed the tolerances specified in the inch-pound units, a request should be made to the contract officer to determine if the product is acceptable.

2.8 Commercial item. The use of the term "commercial item description" in this document does not imply that any item or items offered are not required to conform with all requirements specified herein.

### 3 REGULATORY REQUIREMENTS

3.1 Regulatory retirements. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR)

## 4. QUALITY ASSURANCE PROVISIONS

4.1 Contractor Certification The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this commercial item description, and that the product conforms to the producer's 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.

## 5 PREPARATION FOR DELIVERY

5.1 Packaging. Packaging, packing, and marking shall be as specified in the contract or order.

## 6. NOTES

6.1 National Stock Numbers (NSNS): NSN 4320-00-852-9036 is the only known item to utilize this document.

6.2 Referenced documents. The documents referenced in this commercial item description shall be the issues in effect on the date of issuance of the invitation for bids or request for proposal unless otherwise specified. These documents form a part of this commercial item description to the extent specified. In the event of a conflict between this commercial item description and a document referenced herein, this commercial item description shall take precedence

## MILITARY INTERESTS:

Military Coordinating  
Activity.  
Army - ME

Preparing Activity:  
GSA-FSS

Custodians :  
Army - ME

Review Activities.  
Army - AT  
DLA - CS

User Activities:  
Navy - MC