
 * INCH-POUND *

A-A-50461B
 March 26, 1993

 SUPERSEDING
 A-A-50461A
 August 10, 1989

COMMERCIAL ITEM DESCRIPTION

NOZZLES; GARDEN HOSE (FOR 5/8- AND 3/4-INCH HOSE)

The General Services Administration has authorized the use of this Commercial Item Description (CID) in preference to Federal Specification WW-N-701B.

Abstract. This Commercial Item Description (CID) covers the requirements for garden hose nozzles, for 5/8- and 3/4-inch hose. The nozzles shall be of a twist type flow-control, and shall regulate the flow of water from full close position to fine spray, jet stream, and flood stream.

Salient characteristics.

1. Types. Types shall be as specified in table I for the type of nozzle required.

TABLE I. Types.

* Type *	Duty	* Material *
* I *	Heavy duty	* Brass *
* II *	Standard duty	* Brass *
* III *	Standard duty	* Engineering plastic *

2. Materials. Types I and II nozzles shall be made of brass. Materials in contact with each other shall be compatible to prevent galvanic corrosion. Type III nozzle shall be made of engineering plastic. Engineering plastic shall possess tensile strength, shock, heat, and outdoor exposure resistance qualities of copolymer, nylon, polypropylene or better.

 Beneficial comments (recommendations, additions, deletions) and any pertinent
 *data which may be of use in improving this document should be addressed to: *
 *Commanding Officer (Code 156), Naval Construction Battalion Center, *
 *621 Pleasant Valley Road, Port Hueneme, CA 93043-4300. *

FSC 4730

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

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3. Design and construction. The nozzle shall have a minimum length of 3.812 inches and shall be furnished with 3/4-inch - 11-1/2 NH female threads with a washer of resilient sealing material for attachment to 3/4-inch garden hose fittings. The body of the nozzle shall be sufficiently durable to prevent any deformation or breakage from a drop of 3 feet onto a concrete floor; the temperature of the nozzle shall have been stabilized and be at zero degrees Fahrenheit (oF) +2oF during the drop test. A durable seal (packing or O-ring) between the body and stem shall be provided. The seal shall be readily replaceable by user without special tools. The seal shall prevent all leakage in the closed position and between the body and stem in all open positions when the system is under 60 pounds per square inch (psi) line pressure.
4. Performance. The nozzle shall discharge a minimum of 5 gallons of water per minute when open to the flood position while under 35 psi line pressure. The nozzle shall not leak at the joint between the body and threaded connector or between the threaded connector and threaded hose-end, while under 60 psi internal water pressure, when the nozzle is in any closed or open position.

Contractor certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this CID and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices and is the same product sold in the commercial marketplace. 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.

Metric products. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, provided they fall within specified tolerances using conversion tables contained in the latest revision of FED-STD-376, and all other requirements of this CID 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 contracting officer to determine if the product is acceptable. The contracting officer has the option of accepting or rejecting the product.

Regulatory requirements. In accordance with Section 23.403 of the Federal Acquisition Regulations, the Government's policy is to acquire items composed of the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition without adversely affecting performance requirements or exposing the supplier's employees to undue hazards from the recovered materials.

Packaging, packing and marking. The packaging, packing, labeling, and marking shall be as specified in the contract or order.

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CID based part identification number (PIN). The following PIN procedure is for Government purposes and does not constitute a requirement for the contractor. The PIN to be used for oilers acquired to this CID is created as follows:

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                                A50461 - X
                                *       *
CID part number -----*       *
Type number -----*
    
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1. Type number. The type of the nozzle is identified by a single number (see table I).

TABLE I. Type number to type of nozzle.

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*-----*-----*
*  Type  * Type of *
* number * nozzle  *
*-----*-----*
*   1    *   I    *
*   2    *   II   *
*   3    *  III   *
*-----*-----*
    
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Notes. Purchaser should specify type of nozzle required for a specific procurement.

FED-STD-376 is available from Standardization Documents Order Desk, Bldg. 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

MILITARY INTERESTS:

Custodians
 Navy - YD
 Air Force - 99

Review Activities

Air Force - 82
 DLA - CS

User Activity

Navy - MC

CIVIL AGENCY COORDINATING ACTIVITIES:

GSA - FSS
 HHS - FEC
 USDA - AFS

PREPARING ACTIVITY:

Navy - YD
 (Project 4730-0204)