

NOTICE OF
VALIDATION

INCH-POUND

A-A-50461C
NOTICE 1
19 September 2007

COMMERCIAL ITEM DESCRIPTIONS (CIDS)

Nozzles; Garden Hose (for 5/8- and 3/4-Inch Hose)

A-A-50461C, dated 04 December 2002, has been reviewed and determined to be valid for use in acquisition.

Custodians:

Navy - SH
DLA - CC

Preparing Activity:

DLA - CC

Reviewer Activities:

Navy - MC, SA

NOTE: The activities above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil>.

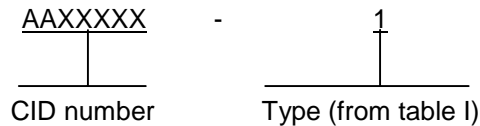
INCH POUND
 A-A-50461C
 4 December 2002
 SUPERSEDING
 A-A-50461B
 26 March 1993

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 by all federal agencies.

1. **SCOPE.** This commercial item description (CID) covers three different twist type flow control adjustable nozzles for use on 5/8-and 3/4-inch garden hose. This CID covers requirements for these types of nozzles. The types of nozzles are shown in Table I.
2. **CLASSIFICATION/PART OR IDENTIFICATION NUMBER (PIN).** This CID uses a classification system which is included in the Part Identification Number (PIN) as shown in the following examples (see 7.1).



- 2.1 **Types.** Table I reflects the three types of nozzles covered by this CID.

Table I. Types.

Type	Duty	Material
1	Heavy duty	Brass
2	Medium duty	Brass
3	Light duty	Engineering plastic

Examples of PIN construction:

- AA50461-2. This would be for a medium duty nozzle constructed of brass material.
- AA50461-3. This would be for a light duty nozzle constructed from a plastic material.

3. **SALIENT CHARACTERISTICS.** Nozzles furnished under this CID shall meet the requirements as specified in this CID. Characteristics, materials to be used, performance and testing requirements are as follows:

3.1 **Interface and physical dimensions.** Nozzles shall fit 5/8-and 3/4 inch garden hoses. Flow control is to be of the twist type and shall regulate the flow of water from fully closed, to fine spray, jet stream, and flood stream.

Beneficial comments recommendations, additions, deletions, clarifications, etc., and any data which may improve this document should be sent to: Defense Supply Center, Columbus, ATTN: (DSCC-VAI), P.O. Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-0538, or facsimile (FAX) (614) 692-6939.

A-A-50461C

3.2 Marking. Nozzles supplied to this CID shall be marked with the manufacturers (MFR) standard commercial PIN.

3.3 Materials: Type 1 and 2 nozzles shall be made of brass. Materials in contact with each other should be compatible to prevent galvanic corrosion. Type 3 nozzles 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.

3.4 Design and construction: The nozzles shall have a minimum length of 3.50 inches and shall be furnished with 3/4-inch -111/2 TPI NH female threads with a washer of resilient sealing material for attachment to the 3/4-inch garden hose fitting. The body of the nozzle shall be sufficiently durable to prevent deformation or breakage from a drop of 3 feet onto a concrete floor; the nozzle shall have been stabilized at zero degrees Fahrenheit (°F) $\pm 2^\circ\text{F}$ during the drop test. A durable seal (packing or O-ring) between the body and the stem shall be provided. The sealing washer between the nozzle and the male hose coupling shall be readily replaced by the user without special tools. The seals shall prevent all leakage when the nozzle is in the closed position. In the open position, no leakage between the body and the stem is allowed. These leakage tests are to be accomplished when the system is under 60 pounds per square inch (psi) line pressure.

3.5 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 the threaded hose-end, while under 60 psi internal water pressure, when the nozzle is in any closed or open position.

4. REGULATORY REQUIREMENTS. 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).

5. PRODUCT CONFORMANCE PROVISIONS.

5.1 Product Conformance. The nozzles provided shall meet the salient characteristics of this CID; conform to the producer's own drawings, specifications, standards and quality assurance practices; and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

5.2 Metric Products. Products manufactured to metric dimensions shall be considered on an equal basis with those manufactured using inch-pound units, provided they fall within the specified tolerances using accepted conversion tables/factors, and that all other requirements of this CID are satisfied.

6. PACKAGING. Preservation, packing, and marking shall be as specified in the contract or order.

7. NOTES.

7.1 PIN. The PIN should be used for Government purposes to buy commercial products to this CID. See section 2 for PIN format example.

7.2 Commercial and Government Entity (CAGE) code. For ordering purposes, inventory control, and submission of these nozzles to DSCC under the Military Parts Control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

A-A-50461C

7.3 Intended use.

7.3.1 Type 1 nozzles: Heavy Duty. These are intended for frequent daily use and designed to withstand rough usage in an industrial environment.

7.3.2 Type 2 nozzles: Medium Duty. These are intended for daily use and not subjected to rough handling or high usage.

7.3.3 Type 3 nozzles: Light Duty. These nozzles are intended for less than daily use and not subjected to rough handling or extreme weather temperatures. These nozzles are less expensive and not as durable as Type 1 and 2 nozzles

7.4 Source of Documents. This section is not applicable to this CID.

7.5 Ordering data. The contract or order should specify the following:

- a. CID document number, revision, and CID PIN.
- b. Product conformance provisions.
- c. Packaging requirements.

7.6 Commercial products. As part of the market analysis and research effort, this CID was coordinated with the following manufacturers/suppliers of commercial products. At the time of CID preparation and coordination, these manufacturers/suppliers were known to have commercial products that would meet the requirements of this CID. (NOTE: This information should not be considered as a list of approved manufacturers/suppliers or be used to restrict procurement to only the manufacturers/suppliers shown.)

<u>Manufacturers/suppliers CAGE</u>	<u>Manufacturer/supplier's name and address</u>
074G9	Grace Blessing Corp 3533 W. Georgia Road Piedmont, SC 29673 Phone: (864) 243-0402 Fax: (864) 243 9574 E-Mail: lschweitcer@yahoo.com
2P092	Aqua-Trol Corp. 11 Ralph Ave. Copiague, NY 11726-1507 Phone: (631) 842-8833 Fax: (631) 842-8875 (Attn: Mr. Ilan Weiss)

7.7 Part number (P/N) supersession data. These CID PIN's supersede the following MFR's P/N's as shown. This information is being provided to assist in reducing proliferation in the Government inventory system.

A-A-50461C

Table II P/N supersession data.

Dash number (see table 1) AA-50461-	MFR's CAGE	MFR's P/N <u>1/</u>	MFR's CAGE	MFR's P/N <u>1/</u>
1	O74G9	223-6731HD	2P092	13-020-GSHD
2	O74G9	223-6731MD	2P092	13-019GSMD
3	O74G9	223-6731LD	2P092	13-018GSLD

1/ The manufacturer's P/N shall not be used for procurement to the requirements of the CID. At the time of preparation of this CID, the aforementioned commercial products were reviewed and could be replaced by the CID PIN shown. For actual part marking requirements see 3.2.

7.8 Government users. To acquire information on obtaining these nozzles from the Government inventory system, contact Defense Supply Center, Columbus, ATTN DSCC Call Center (DSCC-NAB), Post Office Box 3990, Columbus, OH 43216-5000 or telephone (614) 692-2271 or -3191.

7.9 Key words.

Nozzle
Water
Hose
Garden
Brass
Plastic

MILITARY INTERESTS:

Custodians:
Navy -SH
DLA - CC

Review activity:
Navy – MC, SA

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

Preparing activity:

DLA-CC

(Project 4730-2247)