

| INCH-POUND |

A-A-50498
5 July 1990
SUPERSEDING
MIL-V-16720E
24 March 1986 and
MIL-V-16721D
20 August 1980

COMMERCIAL ITEM DESCRIPTION

VALVE, FOOT, CAST IRON, BRONZE AND POLYVINYL CHLORIDE (PVC)

The General Services Administration has authorized the use of this commercial item description as a replacement for Military Specifications MIL-V-16720E and MIL-V-16721D which are cancelled.

Abstract. This commercial item description (CID) covers foot valves used in suction pipeline systems for transporting water and light petroleum distillates.

Salient characteristics. Foot valves shall be of the poppet design, consisting of a valve body, trim and strainer. Valves shall permit flow in one direction only and shall close tightly to prevent flow in the opposite direction. Moving parts shall be smooth, nonsticking and operate without shock or jar. Cast iron valves shall withstand a working pressure of 25 pounds per square inch (psi) and an internal test pressure of 125 psi. Cast iron flanged foot valves shall be in accordance with ANSI B16.1. Bronze and PVC valves shall withstand a working pressure of 150 psi and an internal test pressure of 300 psi. End connections shall be internally threaded for brass valves. PVC valves shall have threaded, flanged, or solvent-welded end connections. Flanges shall conform to ANSI B16.24.

| Beneficial comments, recommendations, additions, deletions, clarifications, |
| etc., and any data which may improve this document should be addressed to: |
| Commanding Officer (Code 156), Naval Construction Battalion Center, Port |
| Hueneme, CA 93043-5000, by using the Standardization Document Improvement |
| Proposal (DD Form 1426) appearing at the end of this document or by letter. |

FSC 4820

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

Valves shall be of the following Type, style and sizes:

- Type CI - Cast Iron ((Styles 1 or 2)
- Type BZ - Bronze (Styles 1 or 2)
- Type PV - Polyvinyl Chloride PVC (Style 3 only)

- Style 1 Internally threaded end connection
- Style 2 Flanged end connection
- Style 3 Solvent welded End Connection (Style 3 only)

Size A	1/2 inch	Size H	4 inch	Size O	16 inch
B	3/4 inch	I	5 inch	P	18 inch
C	1 inch	J	6 inch	Q	20 inch
D	1-1/2 inch	K	8 inch	R	24 inch
E	2 inch	L	10 inch	S	30 inch
F	2-1/2 inch	M	12 inch		
G	3 inch	N	14 inch		

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. 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 Federal Standard 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. The offeror/contractor is encouraged to use recovered materials in accordance with Public Law 94-580 to the maximum extent practicable.

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

Part identification number. The following part identification numbering procedure is for Government purposes and does not constitute a requirement for contractor.

Part identification designation	A	XXXXX	-	XX	-	X	-	X
Designates a CID _____								
CID Number _____								
Type _____								
Style _____								
Size _____								

Notes. Purchases should specify type, style and size.

ANSI standards are available from the American National Standards Institute, 1430 Broadway, New York, NY 10018.

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

MILITARY INTERESTS:

CIVIL AGENCY COORDINATING ACTIVITIES:

Custodians

GSA - FSS

- Army - ME
- Navy - YD
- Air Force - 99

PREPARING ACTIVITY:

Navy - YD

Review Activities

(Project 4820-0579)

- Army - GL
- Navy - MC
- Air Force - 82
- DLA - CS

User Activities:

- Navy - SH, OS

Orders for this publication are to be placed with General Services Administration, acting as an agent for the Superintendent of Documents. See section 2 of this specification to obtain extra copies and other documents referenced herein.