

A-A-50458  
January 15, 1982

COMMERCIAL ITEM DESCRIPTION

VALVES, RADIATOR, HEATING,  
PACKLESS BONNET, 25 PSIG

The General Services Administration has authorized the use of this Commercial Item Description in preference to Type II, Style C, Class 25, Patterns 1 and 2, and Service 1 of Federal Specification WW-V-160.

This Commercial Item Description covers the requirements for Valves, Radiator, Heating (packless bonnet). Metallic bellows seal for class 25 psig of the straight and angle globe pattern for steam service with female threaded inlet and male threaded outlet connection with union nut and male threaded tailpiece and hand wheel operator.

Salient characteristics: Valves shall be in accordance with table I below:

TABLE I. Sizes, types, style, class, pattern service.						
NSN	Size	type	style	class	pattern	service
4520-00-540-4215	1/2 NPT	"II"	"C" Metallic	25	1	steam
		Packless	bellows	psig	straightway	
4520-00-540-4214	3/4 NPT	bonnet	seal		globe	
4520-00-540-4207	1/2 NPT			25	2	steam
				psig	angle	
4520-00-540-4205	1 NPT				globe	

Valves shall be designed for use in steam heating systems at the working pressure and coincident steam saturation temperature applicable to the class specified herein.

Component characteristics: Body and bonnet shall be ASTM B61 or B62 or any of the following copper alloys UNS C83800, C84400, C84800, C85200 listed in ASTM B584. Stems shall be brass or bronze alloy and of standard length in accordance with contractor's standard practice.

Diaphragms shall be either the spring type with aperture or solid type without aperture. Threaded inlet and outlet connections shall have tapered pipe threads conforming to ASME B2.1. Union nuts and tailpieces shall be ASTM B61 or B62 or any material of ASTM B584 listed above with threads and facings in accordance with contractor's standard. Handwheel suitably attached to stem shall be of molded phenolic or an equivalent plastic or composition material.

Marking: Valves shall be marked in accordance with MSS SP-25.

Certification. The contractor shall certify that the product offered meets the salient characteristics of this description, and that the product conforms to the producers own drawings, specifications, standards and quality assurance practices and is the same product sold in the commercial market place. 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.

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Recovered materials. The manufacturer shall utilize recycled and reclaimed materials to the maximum extent practicable.

Packaging, packing, and marking. Unless otherwise specified in the contract or order, the packaging and packing shall be in accordance with normal commercial practice and shall assure acceptance by common carrier and provide product protection against loss and damage during multiple shipments, handling, and storage. The shipping container shall be in compliance with the National Motor Freight Classification and Uniform Freight Classification. Marking shall be as specified in the contract or order.

NOTES:

ASME Standards are available from American Society of Mechanical Engineers, Order Department, P.O. Box 3199, Grand Central Station, New York, NY 10163.

ASTM Standards are available from the American Society for Testing Materials, 1916 Race St., Philadelphia, PA 19103.

MSS Standards are available from the Manufacturers Standardization Society of the Valve and Fittings Industry, 1815 North Fort Myer Drive, Arlington, VA 22209.

MILITARY INTERESTS:

Custodians

Army - ME  
Navy - YD  
Air Force - 99

Review Activities

DCSC-SSD

User Activities

Army - CE

CIVIL AGENCY COORDINATING ACTIVITIES:

GSA-FSS

PREPARING ACTIVITY:

Navy - YD

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