



DASH NO	TUBE O.D. SIZE	L ₁		H ₁ FULL OPEN MAX	D ₁ MIN
		MIN	MAX		
-1	1/4	2 5/8	3 1/8	3 5/8	9/16
-2	3/8	2 5/8	3 1/8	3 5/8	9/16
-3	1/2	3 1/8	3 5/8	3 7/8	5/8
-4	5/8	3 1/2	4 1/8	4 1/8	3/4

- 1/ MS DASH NUMBERS WITHOUT LETTER DESIGNATES VALVE BACKSEATING ABOVE DIAPHRAGM ONLY
MS DASH NUMBERS WITH LETTER "U" DESIGNATES VALVE BACKSEATING ABOVE AND BELOW DIAPHRAGM

NOTES

- VALVE BODY:
 - MATERIAL: FORCED BRASS, ALLOY 377 OF QQ-B-626.
 - FINISH: MANUFACTURERS STANDARD COMMERCIAL.
- OPERATING REQUIREMENTS:
 - MAXIMUM OPERATING PRESSURE: 300 P.S.I.G.
 - MAXIMUM OPERATING TEMPERATURE: 200 F.
 WHEN VALVE IS SUBJECTED TO MAXIMUM OPERATING REQUIREMENTS THERE SHALL BE NO LEAKAGE BY SEAT OR TO THE OUTSIDE AND THE VALVE SHALL OPEN READILY WITH MAXIMUM OPERATING PRESSURE ABOVE SEATING DISK.
- SEATING DISK AND DIAPHRAGM.

MATERIAL: RESILIENT, CORROSION-RESISTANT, LONG WEARING METAL OR COMPOSITION MATERIAL IMPERVIOUS TO ALL REFRIGERANTS OF THE CHLORO-METHANE FAMILY.
- ALL SIZES SHOWN ARE OUTSIDE TUBE DIAMETER SIZES.
- ALL DIMENSIONS GIVEN IN INCHES.
- VALVE SHALL HAVE THE DIRECTION OF FLOW INDICATED ON BODY, UNLESS VALVE IS NON-DIRECTIONAL.
- MOUNTING BOLT SPACING IS SUBJECT TO INDUSTRY PRACTICE.
- VALVE SHALL HAVE AN UNRESTRICTED FLOW AREA AT LEAST EQUIVALENT TO THE AREA OF A CIRCLE HAVING A DIAMETER EQUAL TO THE INSIDE DIAMETER OF THE TUBING.
- FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
- REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.
- PART NUMBER. THE MS PART NUMBER CONSISTS OF THE MS NUMBER PLUS THE DASH NUMBER. EXAMPLE: MS 35881-1.

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User activities:
Army - ME
Navy - MC

Review activity:
DSC-28

This Military Standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document, when applicable.

CUSTOMERS ARMY - GL NAVY - SH USAF 99	MILITARY STANDARD		MS 35881
	VALVES, PACKLESS, STOP FLARE CONNECTION ENDS		
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET 1 OF 1	

DD FORM 1 OCT 52 672-1

M-76

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