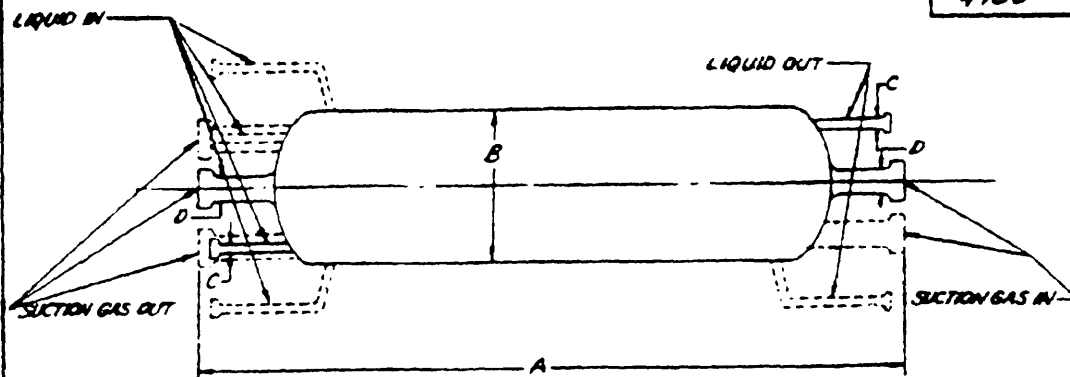


FED. SUP. CLASS
4150

THE DOTTED LINES REPRESENT ACCEPTABLE LOCATIONS OF CONNECTION ENDS

DASH NO.	CAPACITY (GPM)	DIMENSIONS		FEMALE SOLDER JOINT SIZE	
		A ± 1/2	B (MAX)	C	D
-1	I.R.	9 1/2	1 3/8	1/4	1/2
-2	1/2	11 1/8	1 5/8	1/4	1/2
-3	1/4	15	2 1/8	3/8	5/8
-4	1/3	15	2 1/8	3/8	5/8
-5	1/2	15 1/4	2 1/4	3/8	5/8
-6	3/4	14 3/4	3 1/8	3/8	1 1/8
-7	1	15 3/8	3 5/8	1/2	1 1/8
-8	2	15 1/4	5	3/4	1 1/4

NOTES

TESTING CONDITIONS: INTERCHANGERS SHALL BE CAPABLE OF MAINTAINING THE SUCTION GAS TEMPERATURE FROM MINUS 5 F. AT A PRESSURE CORRESPONDING TO MINUS 20 P. SATURATED TO PLUS 30 P. SUPERHEATED LEAVING TEMPERATURE, WITH THE EXTERNAL LIQUID TEMPERATURE NOT EXCEEDING PLUS 100 F.

MATERIALS: BRASS - BRASS, COPPER, ALUMINUM-BACKED OR STEEL, CORROSION-RESISTANT TREATMENT.

SOLDER CONNECTIONS: IN ACCORDANCE WITH MS 35925 (FEDERAL SPEC.).

TESTING: FACTORY TEST PRESSURE - 235 P.S.I.G. (MIN.).

TESTING: TESTING PRESSURE (BOILER CIRCUIT) - 2175 P.S.I.G. (MIN.).

PRESSURE DROP: GAS CIRCUIT - 1/4 P.S.I.G. AT MINUS 20 F. SUPERHEATED.
1/2 P.S.I.G. AT PLUS 30 F. SUPERHEATED.

LIQUID CIRCUIT - INSULATED.

DIMENSION "A" MAY BE OBTAINED OR SHORTER WITH THE USE OF A TUBE EXCESSION SUPPLIED WITH THE UNIT AND MAKING THE SAME TYPE END CONNECTION.

① FOR DESIGN PURPOSE PURPOSE THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.

② REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF EXPIRATION FOR AIDS.

③ PART NUMBER: THE MS PART NUMBER CONSISTS OF THE MS NUMBER PLUS THE DASH NUMBER.
EXAMPLE: MS 17241-1.

Buyer: User
MS, GE, DA

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

ARMY
NAVY
DA

APPROVED 20 FEB 1961 REVISED ② 12 AUG 1965 ③ 21 MAR 75

P.A.
ARMY - GL
Other Code
NAVY - YD
USAF - C2

TITLE

HEAT INTERCHANGER, REFRIGERANT-12

MILITARY STANDARD

MS 17241

PROCUREMENT SPECIFICATION
MK-H-2203E

SUPERSEDES

SHEET 1 OF 1

DD FORM 672-1 (Continued)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.