



FILE INFORMATION:  
DIVISION TAB:TRANE REFRIGERATION  
PRODUCTS  
PRODUCT TAB:RECIPROCATING COM-  
PRESSOR-CONDENSER UNITS  
MODEL TAB:HERMETIC M-R  
LITERATURE ITEM- GENERAL SERVICE  
BULLETIN

LITERATURE FILE NO.

**HCOM-SB-52**

**GENERAL  
SERVICE BULLETIN**

Since the Trane Company has a policy of continuous product improvement, it reserves the right to change specifications and design without notice. The installation and servicing of the equipment referred to in this booklet should be done by qualified, experienced technicians.

7/1/81  
Supersedes G-112  
Dated 3/21/75

SUBJECT: MODEL M VALVE PLATE

### DISCUSSION

The laminated steel valve plate for the Model M compressor was replaced by a cast iron valve plate in 1975. The discharge valve cage was redesigned to accommodate the new valve plate.

The parts that were affected are listed below:

<u>Parts Description</u>	<u>Old Part No.</u>	<u>New Part No.</u>
Valve Plate	PLT-444	PLT-472
Valve Plate	PLT-445	PLT-472
Valve Plate Gasket	GKT-969	GKT-1039
Discharge Valve Cage	CAG-27	CAG-31
Discharge Valve Assembly	VAL-977	VAL-1410

### VALVE PLATES

The laminated steel valve plates (PLT-444 and PLT-445) are no longer available. The cast valve plate (PLT-472) must be used as the replacement for both of the laminated plates.

NOTE: PLT-472 is a two cylinder valve plate and replaces both PLT-444 and PLT-445. When PLT-472 is used to replace the single cylinder valve plate, PLT 444 (three and five cylinder compressors), an additional discharge valve assembly (VAL-1410) is required to isolate the compressor suction from the compressor discharge.

Do not replace the existing laminated valve plates (PLT-444 and PLT-445) and discharge valve assembly (VAL-977) unless they are in poor condition and do not perform properly. Use of the new cast iron valve plates was adopted due to poor manufacturability of the steel laminated plates, which resulted in an unacceptably high material scrap rate. Laminated steel valve plates which were installed on compressors prior to this time have passed inspection and are acceptable for reuse.

### VALVE PLATE GASKET

The old valve plate-to-housing gasket (GKT-969) is still available, but may be used with the old style steel laminated valve plate only. The new cast iron valve plates require a different gasket (GKT-1039).

### DISCHARGE VALVE CAGE

The old discharge valve cage (CAG-27) is no longer available and will not mount on the cast iron valve plates. When replacing a laminated valve plate with the cast iron valve plate, use new valve cages (CAG-31) or new discharge valve assemblies (VAL-1410).

### DISCHARGE VALVE ASSEMBLY

VAL-1410 is the complete discharge valve assembly with the new valve cage. All other components of the valve assembly remained unchanged.

### NEW PRODUCTION

The compressor design sequence letter, which appears in the compressor model number, was changed to provide immediate identification of compressors with the new valve plate design. The new valve plates, gaskets and cages are incorporated into compressors with design sequence letter "F".

EXAMPLE: CRHM-3001-4FAT.

The production change dates from January, 1975.