



Machinery and  
Systems Division

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Subject: ECONOMIZER DAMPER CALIBRATION, 19C MACHINES

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FER 71-1(Rev)

1.0 PURPOSE

- 1.1 To provide calibration specifications for economizer dampers on 19C machines.
- 1.2 To show one of several methods (Fig. 1) that can be used to apply the required vacuum to the bellows.

2.0 MACHINES AFFECTED

19C, R-113 and R-114 machines.

3.0 CALIBRATION SPECIFICATIONS

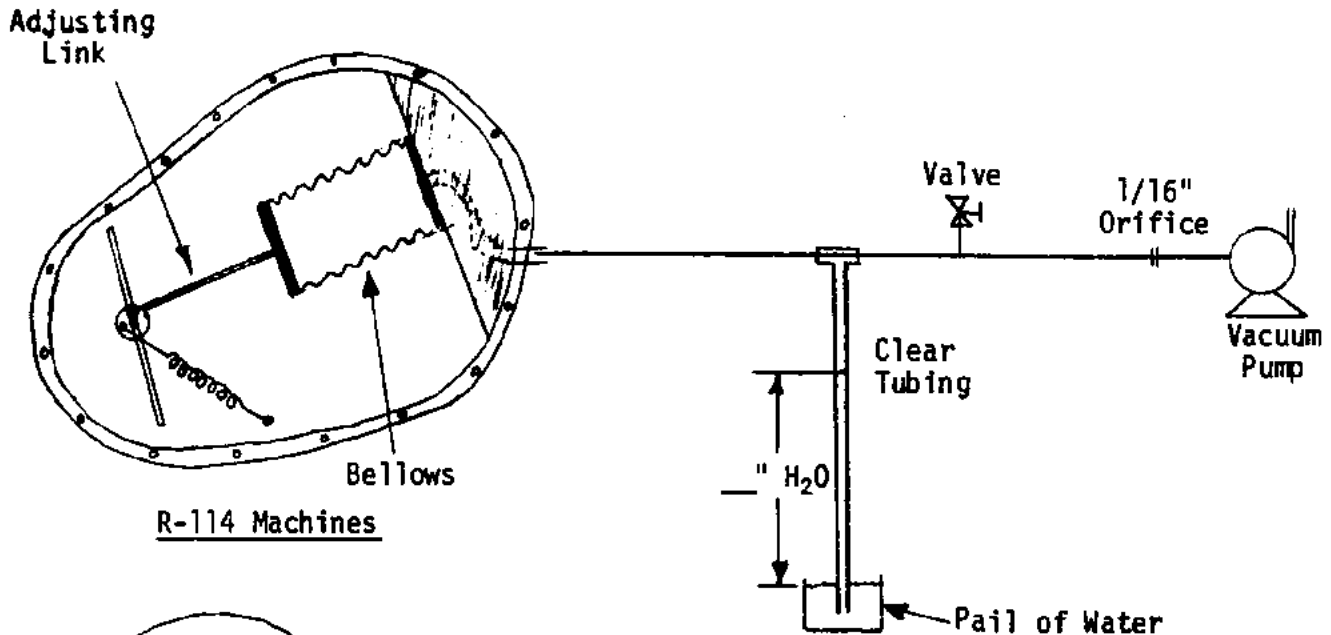
- R-113 Machines: Damper closed at zero pressure.  
Damper opens at 1/2 to 2" Hg.
- R-114 Machines: Damper starts to open at 2.8" Hg.

FILING INSTRUCTIONS: CENTRIFUGAL FIELD EXPERIENCE REPORTS MANUAL  
TAB: COMPRESSOR-MOTOR

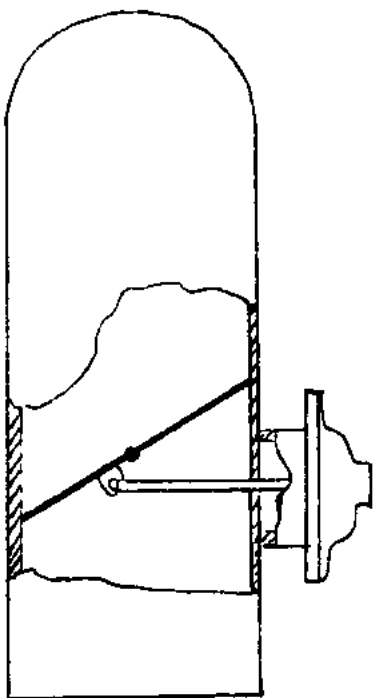
Transferred to new format, 2/80.

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R-114 Machines



R-113 Machines

$$\text{---}'' \text{ Hg} \times \frac{13.58'' \text{ H}_2\text{O}}{1'' \text{ Hg}} = \text{---}'' \text{ H}_2\text{O}$$

1. Start vacuum pump with globe valve opened to prevent slugging bellows and pump with water (depends on size of vacuum pump).
2. Slowly close globe valve and observe liquid leg and bellows.
3. Adjust link as required.

Fig. 1