

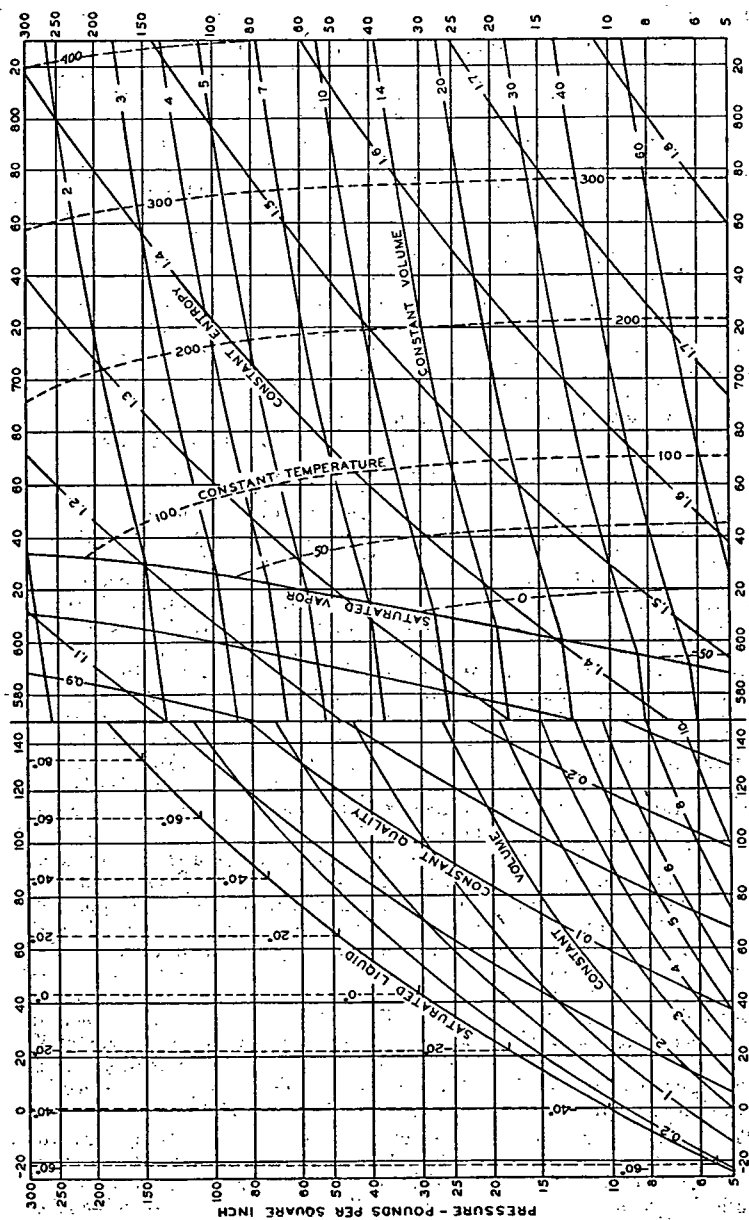


FIG. 1. PRESSURE-ENTHALPY DIAGRAM FOR AMMONIA

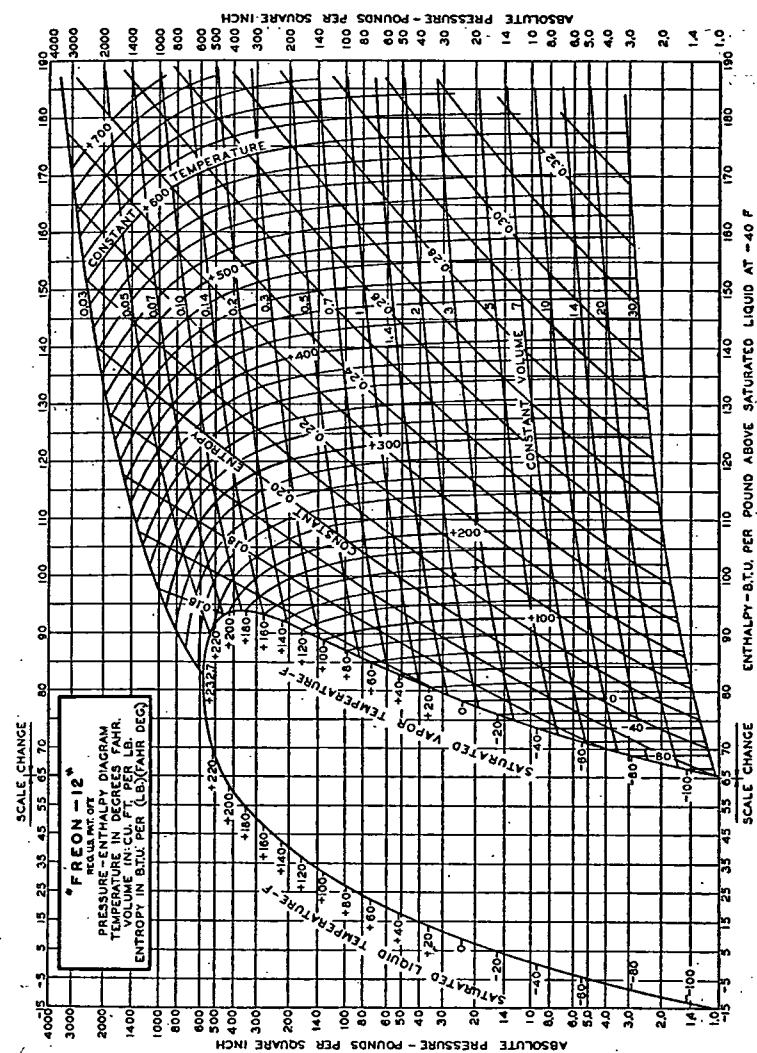


FIG. 2. PRESSURE-ENTHALPY DIAGRAM FOR FREON-12

40 F is passing through a pipe, its volume and enthalpy can be determined from Table 1 as 0.0116 cu ft per pound and 17.0 Btu per pound.

Frequently it is necessary to determine the properties of a *wet* vapor or of a mixture of liquid with some added vapor, such as is found at discharge from an expansion valve. This can be done from the tables by noting that the specific enthalpy of the mixture must be equal to that of the saturated liquid plus a fraction of the latent heat of vaporization equal to the fraction