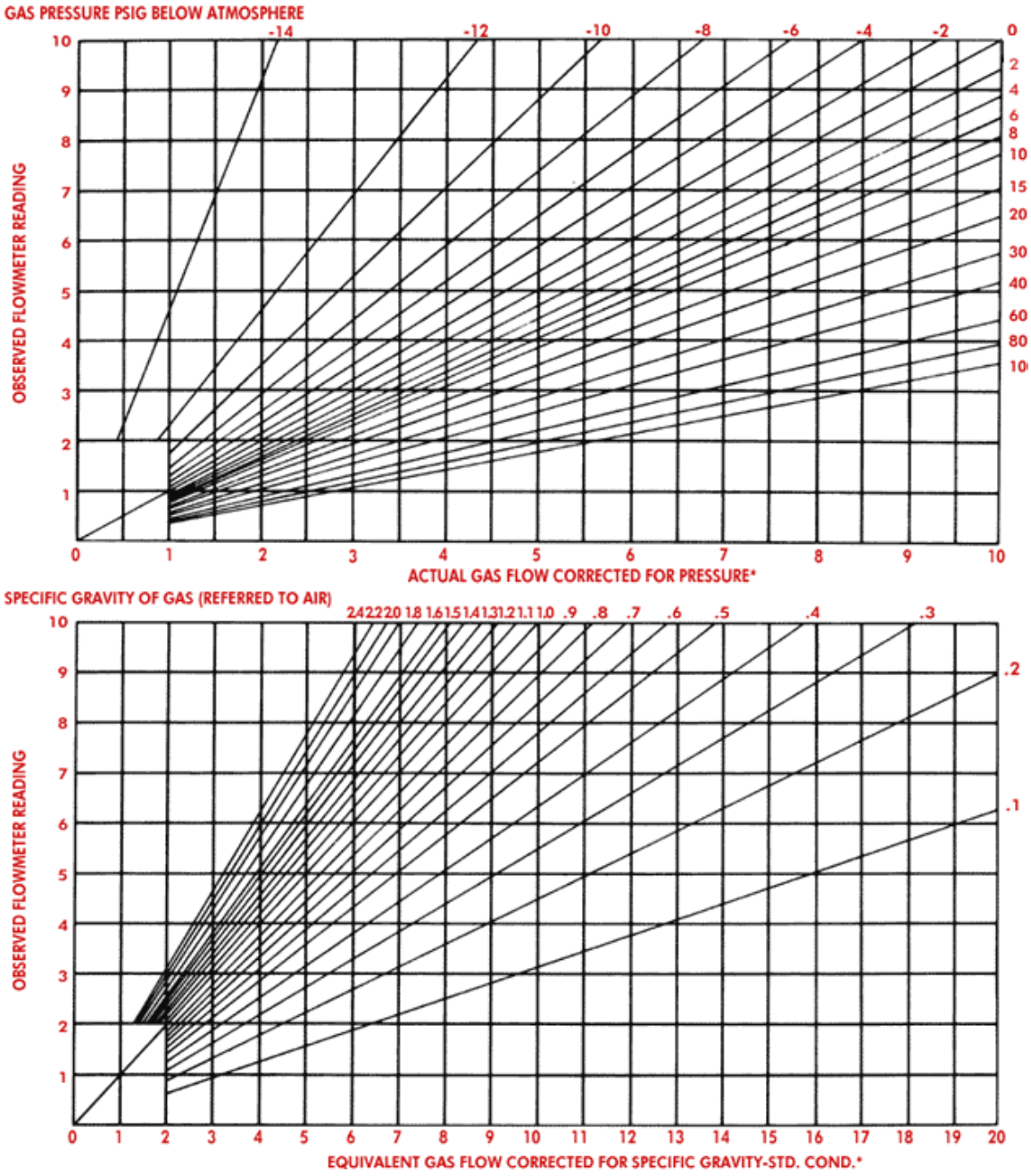
CONVERSION CURVES FOR GASES FOR FLOWMETER READING



If more convenient, approximate correction factors may be determined using the following formulas.

A. Pressure:

$$Q_2 = Q_1 \times \sqrt{\frac{P_2}{P_1}}$$

where
Q_1 = Observed flowmeter reading
Q_2 = Actual flow corrected for pressure

P_1 = Standard atmospheric pressure, 14.7 PSI
P_2 = Actual pressure, 14.7 PSI + pressure in PSI inside flowmeter. Measured at outlet on all but TMV units, Inlet pressure on TMV models.

B. Specific Gravity:

$$Q_2 = Q_1 \times \sqrt{\frac{1}{S.G.}}$$

where
Q_1 = Observed flowmeter reading
Q_2 = Actual flow corrected for specific gravity
1 = Specific gravity of air
S.G. = Specific gravity of gas being used in flow meter originally calibrated for air.