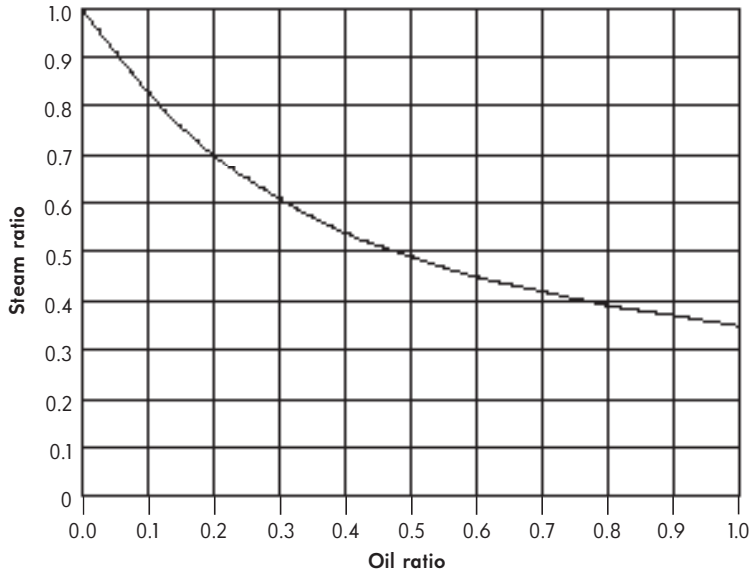
Example: Select an atomizer for 221 gph and determine atomizing steam consumption at 70 psi.

Solution: Choose a 5643-3 Atomizer. Oil Ratio will be 221/2400 = 0.09. From Figure 1, Steam Ratio will be 0.83. Multiplying 0.83 times 660 gives about 550 lb/hr atomizing steam consumed at 80 psi. For 70 psi steam pressure, Figure 2 shows a correction factor of 0.9, which times 550 gives a steam consumption of 495 lb/hr at 70 psi. If compressed air is used, 550 times ⅓ gives 183 scfm atomizing air at 80 psi. For 70 psi multiply by 0.9 to get 165 scfm. (Multiplying 495 by ⅓ also gives 165 scfm.)



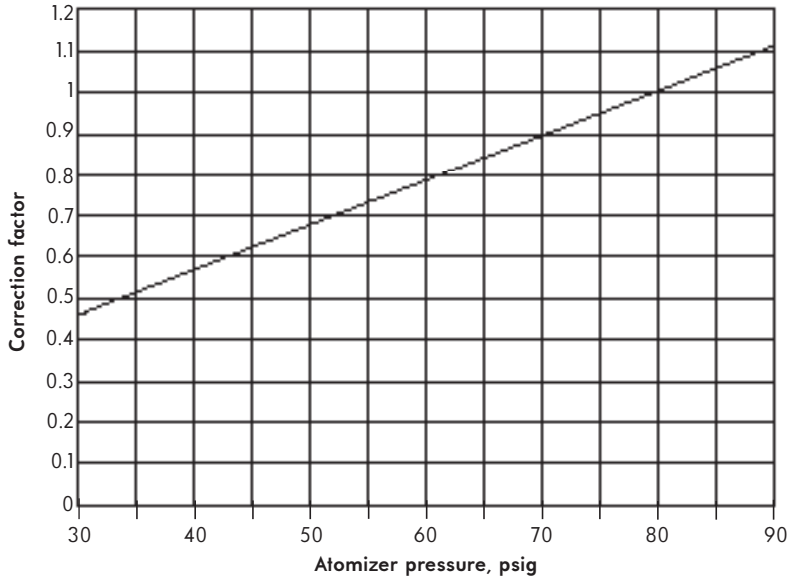


Figure 2. Correction Factors for atomizing medium if at a pressure other than 80 psig.

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