4. Bubble-cap Distillation Column

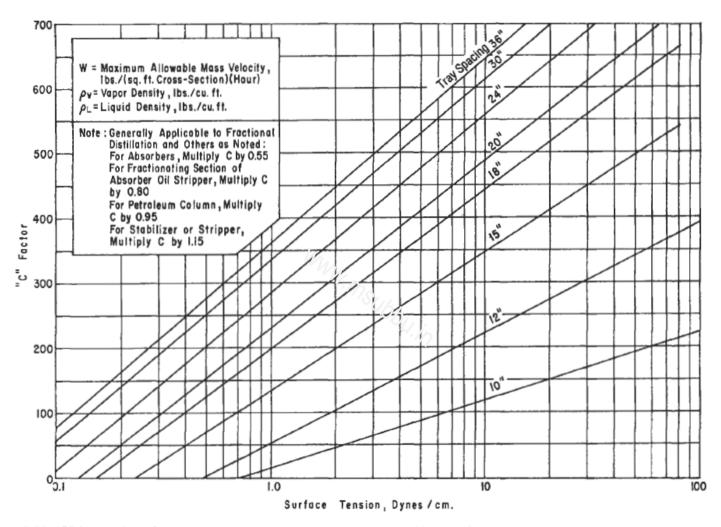


Figure 8-82. "C" factors for column diameter using bubble cap trays. Adapted by permission, The American Chemical Society, Souders, M., Jr., and Brown, G. G. *Ind. and Eng. Chem.* V. 26 (1934), p. 98, all rights reserved.

C - Entrainment factor Source: Ludwig, Applied Process Design, 2nd Volume, 3rd Edition

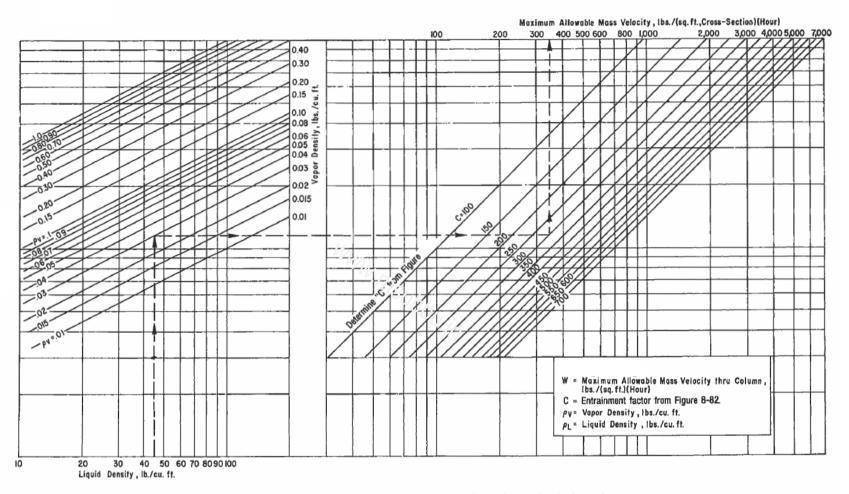


Figure 8-83. Allowable mass velocity for fractionation, absorption, and stripping columns.

W - Maximum allowable mass velocity of vapor Source: Ludwig, Applied Process Design, 2^{nd} Volume, 3^{rd} Edition