

SAFETY ENGINEERING TABLES

REFERENCES TO TABLE 45-H.

The material in this table is based largely on recommendations of the American Conference Governmental Industrial Hygienists, as published in their *Industrial Ventilation Manual*, 1953 ed.

- ¹Bloomfield, J. J., and J. M. DallaValle. *The Determination and Control of Industrial Dust*. U S Public Health Service Bulletin 217, 1935
- ²DallaValle, J. M. *Exhaust Hoods*. New York City, The Industrial Press, 1952.
- ³Hatch, T. "Design of Exhaust Hoods for Dust Control Systems." *Journal of Industrial Hygiene and Toxicology*, 18:595, 1936.
- ⁴Hemmon, W. C. L. "Air Dilution in Industrial Ventilation." *Heating and Ventilating* (Feb. 1941).
- ⁵Postman, B. F. "Practical Application of Industrial Exhaust Ventilation for the Control of Occupation Exposures." *American Journal of Public Health*, 30 149, 1940
- ⁶Witheridge, W. N. *Principles of Industrial Process Ventilation*. (Inservise Training Course, October 1945) Ann Arbor, Mich., University of Michigan.
- ⁷Drinker, P., and T. Hatch. *Industrial Dusts*. New York City, McGraw-Hill Inc., 1938.
- ⁸Alden, J. L. *Design of Industrial Exhaust Systems*. New York City, The Industrial Press, 1948
- ⁹Witheridge, W. N. "Ventilation." *Industrial Hygiene and Toxicology*. 1 chapter 10. New York City, Interscience Publishers, 1948
- ¹⁰Stern, A. C., et al. "Transport Velocities for Industrial Dusts" *American Industrial Hygiene Association Quarterly* (Dec. 1948)
- ¹¹Brandt, A. D. *Industrial Health Engineering*. New York City, John Wiley & Sons, 1947
- ¹²Silverman, L. "Velocity Characteristics of Narrow Exhaust Slots" *Journal of Industrial Hygiene and Toxicology*, p. 287 (Nov. 1942).
- ¹³Hemmon, W. C. L. *Plant and Process Ventilation*. New York City, The Industrial Press, 1955.
- ¹⁴American Foundrymen's Society, Des Plaines, Ill. *Good Practices for Metal Cleaning Sanitation*, 1938
- ¹⁵American Conference of Governmental Industrial Hygienists, Lansing, Mich. *Industrial Ventilation Manual*, 5th ed. 1958
- ¹⁶Dreesen, W. C., et al. *A Study of Asbestos in the Asbestos Textile Industry*. U.S. Public Health Service Bulletin No 241, 1938.
- ¹⁷Page, R. T., and J. J. Bloomfield. *A Study of Dust Control Methods in an Asbestos Fabricating Plant*. U S Public Health Reports, Reprint No 1833, November 1937
- ¹⁸New York State Department of Labor. *Rules Relating to the Control of Silica Dust in Stone Crushing Operations*. Industrial Code Rule No. 84, July 1942
- ¹⁹Kane, J. M. "Design of Exhaust Systems" *Heating and Ventilating*, p. 68 (Nov. 1945).
- ²⁰Kane, J. M. "Foundry Ventilation" *The Foundry* (Feb-March 1946).
- ²¹Oddie, W. M. "Pottery Dusts: Their Collection and Removal." *Pottery Gazette*, 58 1280, 1928
- ²²Kane, J. M. "Scrapbook of Exhaust Hood Design" *Heating and Ventilating* (July, Aug., Nov. 1950 and Feb., March, Apr., June 1951)
- ²³Pring, R. T., et al. "Design of Exhaust Ventilation for Solid Material Handling" *Industrial and Engineering Chemistry* (Nov 1949)
- ²⁴Hartzell Propeller Fan Co., Piqua, Ohio. *Hartzell Blowers: Engineering Data & Installation*. Bulletin 1001
- ²⁵Kane, J. M. "The Application of Local Exhaust Ventilation to Electric Melting Furnaces." *American Foundrymen's Association Transactions* 62 1851, 1945
- ²⁶Hatch, T., et al. "Control of Silicosis Hazard in the Hard Rock Industries II An investigation of the Kelly Dust Trap for Use with Pneumatic Rock Drills of the Jackhammer Type" *Journal of Industrial Hygiene*, p. 69 (Feb 1932)
- ²⁷Hay, P. S. "Modified Design of Hay Dust Trap" *Journal of Industrial Hygiene*, p. 28 (Jan. 1930).
- ²⁸American Standards Association, 10 East 40th St., New York City. *Grinding, Polishing, and Buffing Equipment Sanitation* 248-1941.
- ²⁹Kane, J. M. "Swing Frame Grinder Dust Control." *The Foundry* (Aug 1944)
- ³⁰DallaValle, J. M. "Design of Kitchen Range Hoods." *Heating and Ventilating*, p. 95 (Aug 1953)
- ³¹B. F. Sturtevant Co. Div Westinghouse Electric Co, Boston. *What We Make*. Catalog No 500
- ³²Drinker, P., and J. R. Snell. "Ventilation of Motion Picture Booths." *Journal of Industrial Hygiene and Toxicology*, p. 321 (April 1938)
- ³³Marschall, F. J. "How to Justify an Industrial Air Conditioning Investment" *Heating, Piping and Air Conditioning*, p. 71 (Feb. 1952)
- ³⁴Riley, E. C., et al. "How to Design Exhaust Hoods for Quartz-Fusing Operations" *Heating and Ventilating*, p. 23 (April 1940)
- ³⁵Riley, E. C. and J. M. DallaValle. *A Study of Quartz-Fusing Operations with Reference to Measurement and Control of Silica Fumes*. U S Public Health Service Reports, vol 54, p 532, 1939
- ³⁶Stern, A. C. "Ventilation of Open Tanks" *Industrial Hygiene Quarterly* (Sept. 1950)
- ³⁷Kingsley, L. "Tabulation of Atmospheric Contaminants Released by Open Surface Tanks" *Engineering Units Plates* 161, 162, 163 New York State Department of Labor, Division of Industrial Hygiene.
- ³⁸Morse, K. M., and L. Goldberg. "Chlorinated Solvent Exposures at Degreasing Operations" *Industrial Medicine*, p. 706 (Oct 1948)
- ³⁹Witheridge, W. N., and H. T. Walworth. "Ventilation of a Trichloroethylene Degreaser" *Journal of Industrial Hygiene and Toxicology*, p. 175 (May 1940)
- ⁴⁰American Standards Association, 10 East 40th St., New York City. *Safety in Welding and Cutting*. Z49.1-1955
- ⁴¹New York State Department of Labor. *Rules Relating to the Removal of Dust, Gases, and Fumes*. Industrial Code Rule No 12, Jan 1931
- ⁴²Hatch, T. F., and D. Barron-Oornzee. "Air Flow in Free Convection over Heated Bodies" *ASHVE Transactions*, 63 275 1957
- ⁴³Brandt, A. D., and R. J. Steffy. "Energy Losses at Suction Hoods" *ASHVE Transactions*, 62 205, 1946
- ⁴⁴Nutting, A. "Resistance Test on Pipe" *Mechanical Engineering* (May 1938)
- ⁴⁵McElroy, G. E. *Design of Injector for Low Pressure Air Flow*. Technical Paper 678. U.S. Bureau of Mines
- ⁴⁶American Standards Association, 10 East 40th St., New York City. *Safety Code for Ventilation and Operation of Open-Surface Tanks* Z9.1-1951