

Referencias

- Allen, R.W.K. e van Santen, A., 1996, Designing for pressure drop in Venturi scrubbers: the importance of dry pressure drop, *The Chemical Engineering Journal*, vol. 61, pg. 203-211.
- Bologa, A. et all., 2008, Applications of space-charge electrostatic precipitator for collection of oil mist from pyrolysis gases, *ICDL 2008, IEEE International Conference on Dielectric Liquids*, Poitiers, France.
- Bartocci, A.C. e Patterson, R.G., 2008, Wet scrubbing for biomass gasification emissions, *Pollution Engineering*, vol. 40, n. 6, 33-38
- Calvert, S., 1974, Engineering design of fine particle scrubbers, *J. Air Poll. Contr. Assoc.*, 24(10), 929.
- Calvert, S.; Lundgren, D.; Mehta, D. S. 1972, Venturi Scrubber Performance. *J. Air Pollut. Control Assoc.*, 22, 529.
- Corella, J., Toledo, J.M. e Molina, G., 2006, Calculation of the conditions to get less than 2 g tar/mn³ in a fluidized bed biomass gasifier, *Fuel Processing Technology*, vol. 87, pg 841-846.
- Cummer, K.R e Brown, R.C., 2002, Ancillary equipment for biomass gasification, *Biomass&Bioenergy*, v.23, pg 113-128.
- Evans, R.J.; Milne, T.A. 1987a. "Molecular Characterization of the Pyrolysis of Biomass. 1. Fundamentals," *Energy & Fuels* 1 (2), pp.123–138
- Evans, R.J.; Milne, T.A. 1987b. "Molecular Characterization of the Pyrolysis of Biomass. 2. Applications," *Energy & Fuels* 1 (4), pp. 311–319
- Gustafsson, E., Strand. M. e Sanati, M., 2007, Physcial and chemical characterization of aerosol particles formed during the thermochemical conversion of wood pellets using a bubbling fluidized bed gasifier, *Energy&Fuels*, vol. 21 (6), pg. 3660-3667.
- Han, J. e Kim, H., 2008, The reduction an control Technologies of tar during biomass gasification/pyrolysis: an overview, *Renewable & Sustainable Energy Reviews*, vol. 12 pg. 397-416.
- Hasler, P. e Nussbaumer, Th., 1999, Gas cleaning for IC engine applications from fixed bed biomass gasification, *Biomass&Bioenergy*, vol. 16, pg. 385-395.
- Hasler, P. e Nussbaumer, Th., 2000, Sampling and analysis of particles and tars of biomass gasifiers, *Biomass&Bioenergy*, vol. 18 pg. 61-66.

- Hindsgaul, C., et. all, 2000, Physical and chemical characterization of particles in producer gás from wood chips, Bioresource Technology, vol. 73, pg. 147-155
- Holzer, K., 1985, Wet separation of fine dusts and aerosols, International Chemical Engineering, vol. 25, no.2 pgs.223-233.
- Lapple, C. E., 1951, Processes use many collector types, Chem. Engin., vol. 58, pg.144–151.
- Leith, D. and Licht, W., 1972, The collection efficiency of cyclone type particle collectors - A new theoretical approach, AIChE Symp. Series, 126 (68).
- Leith, D., Cooper, D.W. e Rudnick, S.N., 1985, Venturi scrubbers: pressure loss and regain, Aerosol Sci. Technolog., vol. 4 (2), pg. 239-243
- Milne, T.A., Evans, R.J. e Abatzoglou, N., 1988, Biomass Gasifier Tars: their Nature, Formation and Conversion, NREL – National Renewable Energy Laboratory, report NREL/TP-570-25357, Colorado.
- Nacken, M. et all, 2007, Development fo a tar reforming catalyst for integration in a ceramic filter element and use in hot gas cleaning, Ind. Eng. Chem. Res., vol. 46, n.7, 1945-1951.
- Nair, S.A. et all, 2005, Streamer corona plasma for fuel gas cleaning: comparison of energization techniques, J. of Eletrostatics, vol. 63, pg. 1105-1114
- Neeft, J.P.A., 2002, Physical removal of tar aerosols from biomass producer gases by ESP and RPS, proceedings of the 12th European Conference and Technology Exhibition on Biomass for Energy Industry and Climate Protection, 17-21 june 2002, Amsterdam.
- Olson, S.J., Nguyen-Phuoc, B. e Ibsen, K., 2006, Gas Cleanup Technologies Suitable for Biomass Gasification to Liquid Fuels, 2006 AIChE National Meeting, San Francisco.
- Pemem, A.J.M. et. all, 2003, Pulsed corona discharges for tar removal from biomass derived fuel gas, Plasmas and Polymers, vol. 8, n.3, pg. 209-224.
- Rosin, P., Rammler, Z. e Intelmann, W., 1932, Fundamentals and limitations of cyclone dusting, Z. Ver. Dent. Ing., vol. 76, 433-437 (traduzido do alemão).
- Rudnick, S.N., Koehler, J.L.M., Martin, K.P., Leith, D. e Cooper, D.W., 1986, Particle Collection Efficiency in a Venturi Scrubber: Comparison of Experiments with Theory, Envir. Sci. Technol., vol. 20, no.3, pgs 237-242.
- Sánchez, C.G., 2008, comunicação pessoal.

Schnelle, K.B. e Brown, C.A., 2001, Air pollution control technology handbook, CRC Press, N.York.

Semrau, K. T., 1960, Correlation of dust scrubber efficiency, J. Air Poll. Contr. Technol. Assoc., 10(3), 200.

Semrau, K. T., 1963, Dust scrubber design — a critique on the state of the art, J. Air Poll. Contr. Technol. Assoc., 13(12), 587.

Shepherd, C. B. and Lapple, C. E., 1940, Flow pattern and pressure drop in cyclone dust collectors, Ind. Eng. Chem., vol.32, n.9.

Stanghelle, D., Slungaard, T. e Sønju, O.K., 2007, Granular bed filtration of high temperature biomass gasification gas, Journal of Hazardous Materials, v. 144, pg. 668-672.

Theodore, L., 2008, Air Pollution Control Equipment Calculations, J.Wiley & Sons, N.York, 574 pgs.

White, F.M., 1998, Fluid Mechanics, 4a. ed., McGrawHill, N.York.