

Referências Bibliográficas

ARIAS, J., **Energy Usage in Supermarkets - Modelling and Field Measurements**, PhD Thesis, Royal Institute of Technology (KTH), Sweden, 2005.

ARTHUR D. LITTLE, INC., **Global Comparative Analysis of HFC and Alternative Technologies for Refrigeration, Air, Conditioning, Foam, Solvent, Aerosol Propellant and Fire Protection Applications**, Final Report for the Alliance for Responsible Atmospheric Policy, Cambridge, Massachusetts, Março, 2002.

ASHRAE, **ASHRAE Handbook - Fundamentals**, American Society of Heating, Refrigerating, and Air Conditioning Engineers, Atlanta, 2005.

ASHRAE, **ASHRAE Handbook - Fundamentals**, American Society of Heating, Refrigerating, and Air Conditioning Engineers, Atlanta, 1985.

BAXTER, V.P.E., FISCHER, S., SAND J. R., **Global Warming Implications of Replacing Ozone-Depleting Refrigerants**, ASHRAE JOURNAL, pp. 23-30, Setembro, 1998.

BAXTER, V.P.E., WALKER, D.H., **Investigation of Energy-efficient Supermarket Display Cases**, Report for DOE, USA, Dezembro, 2004.

MINISTÉRIO DE MINAS E ENERGIA, **BEN - Balanço energético nacional**, Brasil, 2004 (Ano-Base 2003).

BJÖRN P., **Refrigeration Systems with Minimum Charge of Refrigerant**, Applied Thermal Engineering, No.27, pp. 1693–1701, 2007.

BOHN REFRIGERATION SYSTEMS, **Condenser Catalog**, USA, 2008.

CALM, J.M., **Emissions and Environmental Impacts from Air-Conditioning and Refrigeration Systems**, International Journal of Refrigeration, Vol.25, pp. 293-305, 2002.

CAMPBELL, N.J., McCULLOCH, A., **The Climate Change Implications of Manufacturing Refrigerants: A Calculation of 'Production' Energy Contents of Some Common Refrigerants**, Institution of Chemical Engineers, UK, Vol. 76, pt. B, Agosto, 1998.

DI GIACOMO, D. N., OLIVEIRA, L. P. A., SILVA, A., **Experiências Práticas do Grupo Pão de Açúcar**, Seminário Nacional de Refrigeração em Supermercados, Brazil, Junho, 2008.

DOPAZO, J. A., FERNÁNDEZ-SEARA, J., SIERES, J., UHÍA, F. J., **Theoretical Analysis of a CO₂-NH₃ Cascade Refrigeration System for Cooling Applications at Low Temperatures**, University of Vigo, Spain, 2004.

FISCHER, S., **Supermarket Refrigeration Systems: Excel Spreadsheet User's Manual**, Oak Ridge National Laboratory, Tennessee, Março, 2003.

FISCHER, S., SAND, J.R., BAXTER, V.D., **Energy and Global Warming Impacts of HFC Refrigerants and Emerging Technologies**, Oak Ridge National Laboratory, Report for AFEAS and DOE, Tennessee, 1997.

FISCHER, S.K., TOMLINSON, J.J., HUGHES, P.J., **Energy and Global Warming Impacts of Not-in-Kind and Next Generation CFC and HCFC Alternatives**, Oak Ridge National Laboratory, Report for AFEAS and DOE, USA, Dezembro, 1994.

FOSTER, P., RAMASWAMY, W., **Changes in Atmospheric Constituents and in Radiative Forcing**, IPCC, 2007: Climate Change 2007: The Physical Science Basis, Contribution of Working Group I to the Fourth Assessment - Report of the Intergovernmental Panel on Climate Change, Chapter 2, 2007.

GETU, H. M., BANSAL, P. K., **Thermodynamic Analysis of an R744-R717 Cascade refrigeration System**, International Journal of Refrigeration, Auckland, New Zeland, 2007.

HAFNER, A., JAKOBSEN, A., NESKÅ, P., PETTERSEN, J., **Life Cycle Climate Performance (LCCP) of Mobile Air-Conditioning Systems with HFC-134a and R-744**, VDA Alternate Refrigerant Wintermeeting, Saalfelden, Austria, 2004.

HENDERSON, H., KHATTAR, M., **Measured Impacts of Supermarket Humidity Level on Defrost Performance and Refrigerating System Energy Use**, ASHRAE Transactions, CH-99-4-3, Vol. 105. Pt. 1, January 1999.

HINDE, D., ZHA, S., LAN, L., **Carbon Dioxide in North American Supermarkets**, ASHRAE JOURNAL, pp. 18-26, Fevereiro, 2009.

HORTON, W. T., ECKHARD, A. G., **Analysis of a Medium-Temperature Secondary Loop Refrigerating System**, ASHRAE Transactions:Symposia, CI-01-2-1, vol. 107, pt. 2, pp. 459-465, 2001.

HONEYWELL INC., **Genetron Performax® LT R407F**, Buffalo Research Laboratory, Buffalo, New York, USA, 2010.

INEOS FLUOR, **HFCs, and PFCs: Reference GWPs and GWPs calculations for Labelling and MSDS for F-Gas**, INEOS FLUOR web site: <http://www.ineosfluor.com/>, Accesado em 28 de Janeiro de 2010, USA, 2000.

KAZACHKI, G. S., **Theorical Analysis of Alternative Supermarket Refrigeration Technologies: Final Draft**, U.S. Environmental Protection Agency: Stratospheric Protection Division, Washington, Dezembro, 2007.

KAZACHKI, G. S., HINDE, D. K., **Secondary Coolant Systems for Supermarkets**, ASHRAE JOURNAL, pp. 34-46, Setembro, 2006.

KLEIN S. A., **Engineering equation solver –academic commercial v8.4.**, Technical report, F-chart Software, 2009.

LEE, T.Z, LIU, C.H., CHEN, T.W., **Thermodynamic Analysis of Optimal Condensing Temperature of Cascade-condenser in CO₂/NH₃ Cascade refrigeration Systems**, International Journal of Refrigeration, vol.29 pp. 1100-1108, June, 2006.

LEMMON, E. W., MCLINDEN, M. O., HUBER, M. L., **NIST Reference Fluid Thermodynamic and Transport Properties - REFPROP**, Physical and Chemical Properties Division, National Institute of Standards and Technology, Boulder, Colorado, USA, Agosto, 2002.

MARCHIORO, F. S., **Análise de Técnicas para Redução do Consumo de Energia em Sistemas de Refrigeração para Supermercados**, Departamento de Engenharia Mecânica da Pontifícia Universidade Católica do Paraná, Curitiba, Brazil, Dissertação de mestrado, 2004.

MCDOWELL, T. P., MITCHELL, J. W., KLEIN, S. A., **Investigation of Ammonia-Secondary Fluid Systems in Supermarkets Refrigeration Systems**, ASHRAE Transactions:Research, vol.101, Pt. 2, Paper number 3923, pp. 486-496, 1995.

McQUISTON, F.C., PARKER, J., Heating, **Ventilating and Air-Conditioning: Analysis and Design**, Wiley, John & Sons, Julho, 2004.

OAK RIDGE NATIONAL LABORATORY, ARTHUR D. LITTLE, INC., **Energy and Global Warming Impacts of CFC Alternative Technologies**, AFEAS / DOE, USA, Dezembro, 1991.

PANESI, A., **Eficiência Energética em Supermercados**, POLI/USP, II Encontro de Engenharia e Tecnologia dos Campos Gerais, Brasil, Agosto, 2008.

POGGI, F., MACCHI-TEJEDA, H., LEDUCQ, D., BONTEMPS, A., **Refrigerant Charge in Refrigerating Systems and Strategies of Charge Reduction**, International Journal of Refrigeration, France, vol.31, pp. 353-370, Agosto, 2008.

PRESOTTO, JR. A., SÜFFERT, C. G., **Estudo Comparativo Para Instalações de Frio Alimentar em Supermercados**, SPM ENGENHARIA S/C LTDA, Porto

Alegre, Brazil, 2001a.

PRESOTTO, JR. A., SÜFFERT, C. G., **Refrigeration systems in supermarkets with utilization of intermediary fluids**, SPM ENGENHARIA S/C LTDA, Porto Alegre, Brazil, 2001b.

RAMFJORD, B., **Listing of GWP Values as per Report IPCC WG1 AR4**, Working Group 1, IPCC Fourth Assessment Report, Sweden, 2010.

SAWALHA S., **Carbon Dioxide in Supermarket Refrigeration**, PhD Thesis, Royal Institute of Technology (KTH), Sweden, 2008.

STOECKER, W., JABARDO, J. S., **Refrigeração Industrial**, Editora Edgard Blücher, São Paulo, 2002.

STREETER, V., WYLIE, E., BEDFORD, K., **Mecánica de fluidos**, McGraw Hill, Novena edición – Español, 2000.

TOSCANO, W. M., HEATON, D. M., KREPCHIN, I. P., LEE, K., OVEN, M. J., WALKER, D. H., **Research and Development of Highly Energy Efficient Supermarket Refrigeration Systems**, Oak Ridge National Laboratory, Report for DOE, Tennessee, October, 1981.

VAN DER SLUIS, S. M., **Review of Calculation Programs for Supermarket DX Refrigerating Systems Year-Round Energy Consumption**, IIR/IIF D1-subcommission “Refrigerated Display Cabinets” Glasgow (UK) Meeting Glasgow, UK, Agosto, 2004.

VAN WYLEN, G., SONNTAG, R., BORGNAKKE, C., **Fundamentos da Termodinâmica**, Editora Edgard Blücher, 6a Edição, 2003.

VRINAT, G., MACCHI, H., LEDUCQ, D., **Estimation de la charge en frigorigène dans les boucles frigorifiques basse pression**, Revue Générale du froid et du conditionnement d'Air, vol. 90, No. 1008, pt.2, pp. 53-56, Dezembro, 2000.

WALKER, D.H., BAXTER, V.D., **Analysis of Advanced, Low-Charge**

Refrigeration for Supermarkets, ASHRAE Transactions:Symposia, vol. 109, pt. 1, pp. 285-292, 2003.

YOUBI-IDRISSI, M., BONJOUR, J., **Estimation de la charge em frigorigène: é tat de l'art**, Revue Générale du froid et du conditionnement d'Air, vol. 93, No. 1037, pp. 31-38, Outubro, 2003.