

VAPORIZATION HEAT OF REFRIGERANT CALCULATE

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Abstract

This paper change Clapryron phase heat equation, the heat of vaporization temperature were correlated with the contrast to give a new formula for estimating liquid heat of vaporization. The type style is simple, less parameters only need to know the substance of the critical temperature, eccentric factors and can calculate the molar gas constant, ease of application using the new equation 31 kinds of heat of vaporization of the refrigerant were calculated, the average absolute deviation was 1.54 %, to meet project needs.

Keywords: vaporization heat; refrigerants; estimation