

Abstract

A method of cooling a first airstream employs the steps of dehumidifying a second airstream, injecting water into the dehumidified airstream so as to cool the second airstream, and passing the first and the cooled second airstream through a heat exchanger so as to cool the first airstream. In so doing, the condensate recovered during the dehumidification of the second and/or first airstream is used in the injection step.

(Figure 1)