

ABSTRACT

MULTI STAGE COLUMN DISTILLATION (MSCD) METHOD FOR OSMOTIC SOLUTE RECOVERY

A method and apparatus for separating draw solution solutes and product solvent from a draw solution using a plurality of distillation columns. In one embodiment, the draw solution is used in a Forward Osmosis (FO) water desalination process. In this embodiment, the draw solution is directed to the plurality of distillation columns in parallel while the energy stream (heat) is directed to the plurality of distillation columns in series such that the efficiency of heat use is improved and in turn the cost of the heat is reduced.

(Figure: No suitable figure)