

Annotation

The course work is on the theme "The reverse osmosis for concentration of the solution $MgCl_2$ " on "equipment of membrane and refrigeration technology". The course work consists of 30 pages of explanatory notes and a drawings of the general view of the reverse osmosis device with rolled membrane elements on A1 format. The installation for the concentration of the solution in which one of the key elements is the reverse osmosis unit is observed in this course work. The type of inversely osmotic device - with rolled membrane element, using cellulose acetate membranes. The MGA – 95 membrane was chosen. It has the optimal value for the selectivity of the substance and the specific performance of a standard series of membranes. According to calculated membrane area required for the process, necessary number of membrane devices were determine and partitioning of the installation was done. The calculations confirmed the efficiently and reliability of the design.

REVERSE OSMOSIS, CONCENTRATION, MEMBRANE,
SELECTIVITY, PERMEAT