

ANNOTATION

Coursework on "Reverse osmosis for the concentration of NaCl» on the subject "Equipment of membrane and refrigeration technology" made by student of 5 course, group BI-51M Revtov O.O. includes explanatory note, that consists of 36 pages, 2 illustrations, using 7 literature sources and 1 sheet of drawings of A1 format.

Characteristic features of reverse osmosis unit is an increased area of membrane elements. The calculations proving the efficiency and reliability of the design were made. A partitioning of the devices in the installation, specification of mode of the fluid flow in the apparatus had been done, determined hydraulic resistance in the machine and afterwards selected the desired pump.

There are drawings in the coursework of reverse osmosis apparatus with rolled membrane elements.

Keywords: REVERSE OSMOSIS, CONCENTRATION, MEMBRANE, PRESSURE, TEMPERATURE, AREA, PRODUCTIVITY.