

## Annotation

The course work is on the theme "Device for desalination with reverse osmosis system development. "on"equipment of membrane and refrigeration technology". The course work consists of 35pages of explanatory notes and a drawings of the general view of the reverse osmosismembrane element rolled on A1 format. In this paper the term plant for desalination, in which one of the key elements of the device is inversely osmos.The typeof inversely osmotic device - with rolled membrane elementwith a horizontal layout. The MGA – 100 membrane was chosen, which has the optimal values of selectivity on water and specific performance 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.

KEYWORDS: REVERSE OSMOSIS, DESALINATION, PERMEAT,SELECTIVITY,MEMBRANE,CONCENTRATION.