

System of reagents supply to the membrane purification plants GDN

System of reagents supply to the membrane purification plants provides:

- pH correction of basic water;
- coagulant addition to basic water;
- addition of antiscalant and biocide solutions before the reverse osmosis of the first stage;
- pH correction of partially desalted water, that is supplied to the reverse osmosis of II stage, the sprinkler pools and making-up of heating system.

System GDN is on constant duty except for the block of biocide addition.

There is block of addition of 92-94% sulphuric acid solution for pH correction of basic water before coagulation. Antiscalant is dosed to pipeline with clarified water to prevent hard dissolved compounds from accumulating on the membrane surfaces.

Sodium hydroxide (46% solution) is used for pH correction of partially desalted water, that is supplied to the reverse osmosis plants of the second stage, the sprinkler pools and making-up of heating system.

Biocide is used to prevent biofouling on membrane surfaces. The addition of all reagents is performed automatically, as well as by operator remotely.