

3.05. STATIONS FOR PUMPING UNIT CONTROL

Modern technological solutions are proposed in water supply and water disposal on the basis of a variable-frequency electric drive.

Implementation of the stations allows to:

- ensure energy savings;
- stabilize the given pressure in the system and regulate it during the day;
- protect a pump in emergency conditions and damages, and ensure the regime for filling a pipeline;
- increase the service life of pumps due to the absence of starting currents of the motor; abandon installation and expensive tower repairs.

Main technical specifications:

Supply	single-, three-phase circuit 220/380B, 50 Hz
Pump power	1...75 kW
Efficiency	over 95%

An energy saving for the average water consumption in the settlement in comparison with the water tower is 20 ... 30%.

