

A system for fuel supply to a gas-turbine engine has an electric drive fuel positive displacement pump with change of fuel supply due to change of frequency of rotation of electric drive and main line for fuel supply connected to the output of the pump, with backup-shutoff valve or fuel distributor by collectors of nozzles. The system has additional line from the output of the pump to its input with a valve of constant fuel flow rate installed in it, as, for instance, combination of a jet installed in additional line and a control spring-supported slide. The input and the output of the jet are connected to the cavities of the free and spring supported ends of the slide, respectively. The edge of the groove on the slide together with the opening in the bushing of the slide form in addition a channel with changing cross section.