

Gas-steam turbine drive of gas-pumping unit of compressor station is equipped with gas-steam circuit with an appliance for optimization of parameters of the moving media; design of the steam conduit providing vapor supply to the primary and secondary zones of combustion chambers is applied, to decrease the toxic effect on environment. Such implementation of gas-turbine drive makes it possible to decrease formation of nitrogen oxides in combustion products, to decrease a lot energy consumption for water preparation for water coming to the boiler-utilizer, to decrease consumption of energy for cooling of cooling water, to exclude energy consumption for additional compressing of natural gas coming to the combustion chamber.