

Vacuum hydro turbine comprises housing, shaft, and rotor with discs. Housing is designed to be airtight, with the possibility of creating a vacuum environment inside it; vacuum hydro turbine also includes working fluid supply assembly designed to direct fluid toward rotor disc surfaces. Fluid flow control elements are mounted on rotor discs, wherein rotor also contains magnetic elements that interact with electric windings of stator, located on housing of vacuum hydro turbine. Inside housing of vacuum hydro turbine, electric motor with water-cooling system is installed, designed with the possibility of driving rotor.