

**99-0285**

The invention relates to processes for water treatment by photochemical destruction of the organic components and pathogenic microbiological impurities and can be used for disinfection by plants for preparation of drinking water as well as by plants for treatment of sewage containing pathogenic microflora and other toxic organic compounds.

Summary of the invention consists in the fact that the process for water disinfection, including photochemical treatment thereof with ultra-violet radiation over the wave range of 180...300 nm, provides that the water is additionally exposed to electrochemical treatment by application to electrodes of a tension of 30...40 V of constant current, as anode being used ruthenic oxide plated titanium and as cathode - stainless steel, with that into the water exposed to disinfection it is carried out magnetoliquefaction of the steel cylindrical bodies having a length of 20...30 mm and a diameter of 1...2 mm in a rotatable electromagnetic field with an induction of 25...40 T.