

Abstract Submitted
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UV light disinfection of air and water LEONID VASILYAK, Joint Institute for High Temperatures of Russian Academy of Sciences, SERGEY KOSTYUCHENKO, LIT, LEONID MIKHAILOVICH VASILYAK TEAM¹, SERGEY KOSTYUCHENKO TEAM² — The widespread use of UV disinfection technology for air and water is currently based on a drastic increase in the power and lifetime of UV lamps with electric discharge in mixtures of argon-neon and mercury vapor at low pressure. The improvement of lamps occurred after studies of in electric discharge effect on the electrodes and quartz walls. Increasing the power of UV lamps to 300-350 W with an efficiency of 254 nm UV line generation of about 35

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