



OZONE AND UV SYSTEMS

NSF International works with public health officials, manufacturers and facility operators to evaluate products and protect human health. We develop standards for the evaluation and testing of ozone and ultraviolet (UV) systems for many different water treatment applications.

RECREATIONAL WATER

NSF/ANSI 50: Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities

NSF's comprehensive testing for the recreational water market includes detailed requirements for UV and ozone systems. NSF certification includes the following:

- > Testing up to 6,000 gpm or 8.6 mgd
- > Material health
- > Chemical resistance
- > Physical evaluation
- > Operator protection
- > Maintenance and cleanability
- > Pressure testing
- > Head loss
- > Life testing
- > Disinfection efficacy
- > Ozone output
- > Cryptosporidium inactivation

DRINKING WATER

NSF/ANSI 61: Drinking Water System Components – Health Effects

NSF tests and certifies ingredients, materials, products and systems used in the treatment and distribution of drinking water. NSF uses NSF/ANSI 61 to evaluate the health effects of contaminants that may be contributed to drinking water from the materials in the treatment or distribution equipment.

NSF/ANSI 55: Ultraviolet Microbiological Water Treatment Systems

UV systems with flow rates up to 30 gpm for sale to the residential point-of-use (POU) or point-of-entry (POE) market are certified to NSF/ANSI 55.



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WASTEWATER

NSF/ANSI 46: Evaluation of Components and Devices Used in Wastewater Treatment Systems

For UV manufacturers that sell to the wastewater market, NSF offers certification to NSF/ANSI 46 for small systems.

MUNICIPAL WATER TREATMENT PERFORMANCE

Public Drinking Water Equipment Performance Certification Program (PDWEP)

This NSF program establishes performance requirements in the treatment and production of drinking water in EPA-defined public water supplies. Microfiltration/ultrafiltration membranes, nanofiltration/reverse osmosis membranes, UV reactors, bag and cartridge filters and other products used in treating public drinking water are covered in this program.

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