



ULTRAVIOLET (UV) WATER PURIFIER



MODEL: TPWP-UV-505

One economical and efficient way of disinfecting the water supply is by irradiating it with UV light. It's known that UV light of wavelengths between 250 and 270 nanometers (UV-C or UVC band) is extremely effective in killing many species of bacteria, mold spores, viruses and other microorganisms. The UV light causes DNA damage to the cells of the microorganisms that leads to mutations and eventual cell death. Using UV radiation in this manner to purify water is popular among Europeans who have known about it for decades. Its use in the United States started in the early 1990s and is becoming more prevalent especially with outbreaks of drinking water contamination by microorganisms.

Features:

- 5 Stages UV Filtration Systems.
- 1.0 gallon per minute recommended flow
- Heavy duty steel with powder coating white bracket
- UV stainless steel housing.
- Feed water connector or self piercing saddle valve.
- Completely Assembled
- 100% Factory Tested and Sterilized Ready for Installation.
- Long reach ceramic goose faucet.
- Installation Accessories are included.



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- Operation pressure: 15 -85 PSI.

Filtration Process:

First Stage: Sediment Filter

The Sediment filter cartridge is manufactured from pure 100% polypropylene fibers. The fibers have been carefully spun together to form a true gradient density from outer to inner surfaces. It is effective in removing dust, mud, rust and sand particles.

Second Stage: Granular Activated Carbon Filter

This granular activated carbon filter is composed of high-performance activated carbon that effectively reduces unwanted tastes, odor, organic contaminants, chlorine, pesticides and chemicals that contributed to taste and odor. It is designed to allow maximum contact between the water and carbon, ensuring maximum adsorption.

Third Stage: Activated Block Carbon Filter

This block carbon filter is composed of high-performance Coconut Shell carbon using a patented process and made entirely from FDA-compliant materials that highly effective at reducing 17 hazardous metals: such as lead, radon, mercury, insecticides, odor and chlorine: taste & odor, from potable drinking water. The unique structure of the carbon block enables it to reduce Giardia, Cryptosporidium, amoeba, and Toxoplasma cysts and fine sediment particles down to 0.5 microns. It is an ideal choice for a wide range of residential, food service, commercial and industrial applications.

Fourth Stage: Ultraviolet Water Sterilizer

Ultraviolet light (UV), a natural part of the sunlight is widely accepted as a reliable, efficient & environmentally friendly solution for water disinfection. This UV lamp utilize the application of particularly efficient UV radiator with a 254nm wave length to cause immediate death for organisms and wipe out their ability to survive and reproduce. 99.99% DESTRUCTION OF BACTERIA AND VIRUSES

Fifth Stage: Taste and odor Filter

This granular activated carbon filter is composed of high-performance activated carbon that effectively reduces unwanted tastes, odor, organic contaminants, chlorine, pesticides and chemicals that contributed to taste and odor. It is designed to allow maximum contact between the water and carbon, ensuring maximum adsorption. We are using NSF approved post carbon to guarantee the taste of water.

