

# Hydro Guard™ - U3000-UF ULTRAFILTRATION

Under Counter Water Filtration System

**Hydro Guard™ Total Care Water Systems** are high performance water filtration systems designed to substantially improve the quality of your drinking water. They provide great tasting water while producing water that is cleaner, healthier and safer. The Hydro Guard™ U3000 is designed to address a broad range of issues relating to your drinking water like taste, odor, chlorine and most importantly, items of health concern that maybe present in your drinking water.

**The Hydro Guard™ U3000-UF** incorporates a three multi-stage water filtration cartridge designed to provide 1000 gallons of premium quality drinking water that combine enhanced proven filtration technologies to provide you premier quality drinking water

## CARTRIDGE 1 - HDG-SED5

The HDG-SED5 prefilter is a specially manufactured high performance sediment filter designed for high dirt holding capacity and the reduction of fine sediment and rust particles. Its micro-fine web design traps more particles and helps keep other filters in the filtration system working at optimal performance.

## CARTRIDGE 2 - HDG-UF

### Stage 1 –

Hydro Guard's radial flow filtration allows water to enter the cartridge through the radius of the filter allowing the outer layer to trap additional dirt, rust and sediment particles. The FDA CFR 21 compliant fine web polypropylene fibers do not impart color, odor or chemicals into the water and are the ideal pre-filtration media.

### Stage 2 –

Water then passes through the NSF Certified Coconut Shell Solid Carbon Block filter to reduce items of health concern. The carbon block micro-strains the water through its 0.5 micron pores to trap micro-organisms and cysts. Then the carbon blocks Chemisorptive process effectively reduces Volatile Organic Compounds (VOC's), PCB's, Certain Heavy metals such as Lead as well as certain Pesticides, Herbicides, Chloroform and other chlorination by-products.

### Stage 3 –

In the final filtration process water passes through an array of sophisticated 0.01 - 0.1µ Ultra Filtration (UF) hollow fibers for the effective removal of Bacteria, Viruses and Cysts. Suspended particles and materials of high molecular weight are unable to pass through the 0.01- 0.1 micron UF ultrafiltration membrane, allowing only fresh clean water and dissolved minerals to pass through.

Total Care™  
Filtration

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# Hydro Guard™ - U3000-UF MICROCERAMIC

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## CARTRIDGE 3 – HDG-CB5P

The final stage is the exclusive Hydro Guard HDG-CB5P filter which has been specially designed with premium Coconut shell carbon as a final Polishing cartridge to improve taste and render a pleasant bottled water like taste to your drinking water.

**The Hydro Guard™ U3000-UF** also incorporates throughout the solid carbon filter Microban® technology. Microban® antimicrobial technology inhibits the growth of bacteria that can cause odors and fouling of the filter surface, so your filter keeps working at peak performance. On an unprotected surface, bacteria can double in number every 20 minutes causing premature fouling of the water filter. Microban® antimicrobial product protection works continuously to inhibit the growth of bacteria that can adversely affect filter performance.



## PRODUCT BENEFITS

- ✓ 0.1µ Filtration
- ✓ Excellent Contaminant Reduction \*\*
- ✓ Superior Taste, Odor and Chlorine Reduction\*\*
- ✓ Lead, Cyst and VOC Reduction\*\*
- ✓ 1,000 Gallon Capacity\*\*
- ✓ Bacterial Removal\*\*
- ✓ Carbon Block Certified by NSF®
- ✓ Quick & Easy Install
- ✓ Microban® Antimicrobial Protection

## PRODUCT SPECIFICATIONS

<b>Rated Capacity:</b>	1000 gallons (3785.41 L)
<b>Micron Rating:</b>	0.1µ
<b>Replacement Filter:</b>	HDG-SED5 HDG-UF HDG-CB5P
<b>Flow Rate:</b>	.75 GPM (2.84 LPM) @ 60psi
<b>Maximum Working Pressure:</b>	100 psig (689.5 kPa)
<b>Minimum Working Pressure:</b>	30 psig (206.8 kPa)
<b>Maximum Operating Temperature:</b>	100 °F (38 °C)
<b>Minimum Operating Temperature:</b>	34 °F (1 °C)

*NOTICE: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.*

*\* NSF Standard 53 Certification Pending.*

*\*\* This water filtration device has not finalized certification with NSF International and has not been approved by the California Water Resource Control Board, therefore, it is not available for sale in the State of California for the contaminant reduction claims listed.*



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