

# Hydro Guard™ - U4000-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™ U4000 is designed to address a broad range of issues relating to your drinking water such as; taste, odor, chlorine and most importantly, items of health concern that may be present in your drinking water.

**The Hydro Guard™ U4000-UF** incorporates a four multi-stage water filtration cartridges designed to provide 1,200 gallons of premium quality drinking water!

## PRODUCT BENEFITS

- ✓ 0.01µ Filtration
- ✓ Excellent Contaminant Reduction \*\*
- ✓ Superior Taste, Odor and Chlorine Reduction \*\*
- ✓ Lead, Cyst and VOC Reduction\*\*
- ✓ 1,200 Gallon Capacity\*\*
- ✓ Bacterial Removal\*\*
- ✓ Carbon Block Certified by NSF®
- ✓ Quick & Easy Install
- ✓ Microban® Antimicrobial Protection

## PRODUCT SPECIFICATIONS

<b>Rated Capacity:</b>	1200 gallons (4542.50 L)
<b>Micron Rating:</b>	0.01µ
<b>Replacement Filter:</b>	HDG-SED5 HDG-UF HDG-SIL HDG-CB5P
<b>Flow Rate:</b>	.75 GPM (2.84 LPM) @ 60 psi
<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)

**Total Care™  
Filtration**

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## CARTRIDGE 1 - HDG-SED5

The HDG-SED5 prefilter is a specially manufactured high performance sediment filter designed to offer high dirt holding capacity, reduce sediment and rust particles and extend the life of additional filters. Through Its micro-fine web design it 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 and retain 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 –

After water passes through the outer layer it then enters and 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. The carbon blocks chemisorptive process also allows it to effectively reduce Volatile Organic Compounds (VOC's – Organic Chemicals), PCB's, Certain Heavy metals such as Lead, Pesticides, Herbicides, Chloroform and other chlorination by-products.

### Step 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.

## CARTRIDGE 3 - HDG-SIL

In this stage water passes through the Hydro Guard™ HexoSoft media Filter which is designed to provide crystal clear drinking water and aid in the prevention of limescale growth at the faucet. This aids to improve taste and odor in your drinking water which results in better tasting, better brewed coffee; better tasting tea; and better tasting mixed beverages.

## CARTRIDGE 4 – 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™ U4000-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.

*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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