



WATCH[®]

UNIQUE CARTRIDGE

Uranium Removal

URANIUM IN YOUR DRINKING WATER

(Point Of Use Cartridge)

URANIUM in your drinking water is harmful to your health. Watch[®] Water suggest that drinking water with uranium levels above 30 ppb should have a " **Point Of Use** " filter at every home to minimize the risk of kidney malfunction. Exposure to uranium in drinking water has shown many harmful diseases. You should not continue to drink water contaminated with excessive levels of uranium. Unique is affordable home water treatment " **Point Of Use** " filter that produces 5 to 6 gallons (19 - 23 liters) of uranium and radium free drinkable water per hour and remove **95 - 100%** of **uranium**. More information on next pages or at <http://www.watchwater.de> home page.



UNIQUE WATER or URANIUM ?



Uranium Removal filter including,
Nuclides and Radium
In drinking water applications
Quick change and no
Usage of chemical Regeneration
Effective and disposable

YOUR HOUSEHOLD QUALITY FILTER

Instructions:

Periodic maintenance of the treatment systems as instructed by Watch[®] Water is recommended to ensure proper function and safety.



UNIQUE FILTER

Uranium Removal

Only a **UNIQUE – Filter** water makes a perfect uranium free mineral water for refrigerator, soft drinks and very important milk for baby. No more bottles of water needed.

Find out more: www.watchwater.de/UNIQUE

UNIQUE Head: 3/8" inlet/outlet with John Guest fittings for **UNIQUE** Filter Cartridges. **UNIQUE** head connector is designed to fit a range of **Watch®** Filter cartridges for all food and beverage applications (Drinking water dispensers, Under Sink, Ice Machines etc.)

UNIQUE Quick Change Cartridges:

UNIQUE Cartridge contains a very innovative, Patented adsorbent, based on granulated Barium Sulfate (Trade name **BAROSORB®**) which has been developed as a long testing, high capacity and thus lowering costs associated with removing uranium from water. Its durability and selectivity for uranium means that **UNIQUE** Cartridge is absolutely reliable and efficient to remove uranium for safe drinking water at home, office and restaurants at any places in the world.

MORE INFORMATION:

UNIQUE Quick change technology means there is absolutely no need to shut off any water supply and **UNIQUE** filter can be changed in just seconds. It has no by pass, that means 100% **uranium free** filtered water.

More information on Watch® **UNIQUE** FILTER:

- Low operating cost
- Long lasting
- Very high capacity
- Proven technology
- Patented technology
- No fines
- No backwash
- No odor
- No pH drop
- No pressure drop

DRINKING WATER AND HEALTH

UNIQUE FILTER contains **NO** Anion or Cation Resins

Ion exchange (IX) can consist of anion exchange (AX) or cation exchange (CX). IX achieves the selective removal of charged inorganic materials from water using an ion-specific resin. As water containing undesired ions passes through a column of resin media, charged ions on the resin surface are exchanged with the undesired ions in the water. In a large centralized treatment system, the resin is regenerated and a regenerant waste stream is discharged. For **POU** units, the resin is replaced periodically as opposed to regenerating.

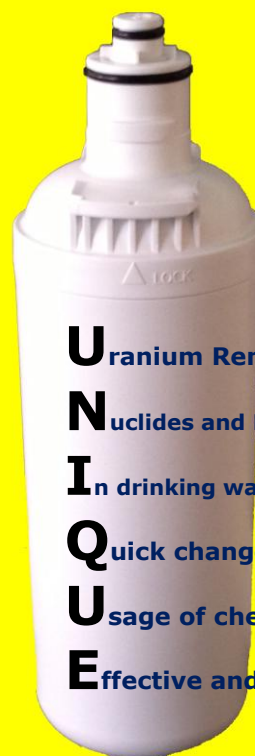
Resin fouling may occur if influent water has high concentration of total suspended solids, iron, magnesium or copper. Channels may develop in the resin bed if the pressure drop across the bed is too high due to fouling. These channels may permit water to pass through the unit without adequate contact with the treatment resin. Since **POU** ion exchange units cannot be backwashed, the media life of these devices may be shortened when level of these solids, iron, magnesium or copper are high, and may preclude the use of these devices.



UNIQUE HEAD
3/8" inlet/outlet



UNIQUE HEAD connection
includes wall bracket



Uranium Removal filter including,
Nuclides and Radium
In drinking water applications,
Quick change and no
Usage of chemical Regeneration
Effective and disposable

UNIQUE Filter Cartridge
with **BAROSORB®** media inside

Important Information

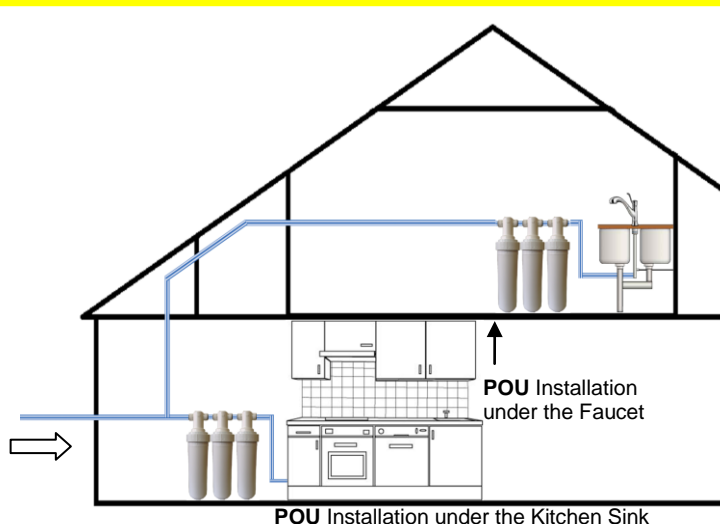
Drinking Water and your Drinks

Introduction:

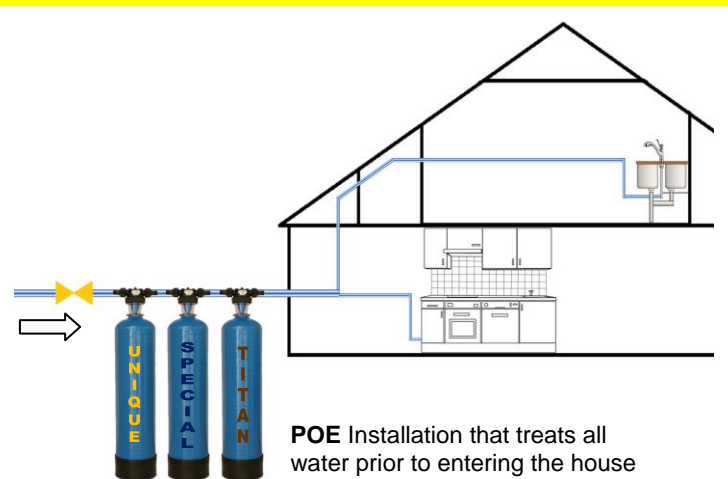
Groundwater is favored as a source of drinking water in many countries. Water coming from the subsurface is often thought to be cleaner and easier to treat as compared to surface water and as a result of which, many wells have been either dug or drilled. However, besides the risk of being contaminated by anthropogenic pollution, ground water naturally contains several chemical components, which can lead to different kinds of health problems. According to Reimann and Banks (2004) a groundwater source can potentially contain several naturally occurring chemical elements, many of which are not tested routinely as indices of water quality despite their known toxicity. Uranium and its daughter product Radon are two naturally occurring elements that can lead to health problems if present in high concentrations in groundwater. Countries that have problems with natural radioactivity in their water include Sweden, Finland, Norway, USA, Canada, India, Iran and Brazil among many other countries.

Uranium:

Uranium exists as three isotopes: ^{238}U , ^{235}U and ^{234}U . The first two isotopes have their own decay series while the third one is an intermediate product of ^{238}U decay series. Due to its high abundance in total natural Uranium 99.28% by weight (Wilkening, 1990), ^{238}U is the isotope of interest and in addition it is the parent element of the most frequently studied isotope of radon, ^{222}Rn . Uranium is radioactive and undergoes a series of decay steps until it reaches a stable state, whereby lead (^{206}Pb) is the final product. In the decay series, radiation is emitted in the form of alpha particles (α), beta particles (β) as well as gamma rays (γ) and intermediate daughter products are also formed.



Typical POU Installation



Typical POE Installation

Technical Data and Installation Quick change Filtration Systems

The life cycle of Watch® UNIQUE Cartridge:

Each **UNIQUE** Cartridge last about 4000 gallons (15000 liters) which is approximately 12 months for an average family. After that they must be replaced, and an entirely new filter is inserted into the quick change head. **UNIQUE** Cartridge have an indefinite shelf-life. **Rebecca® Filter** has decided to collaborate with **Watch® Water** to create a 100% recyclable cartridge. **Watch® Water** offices are shown on Watch Water website. All products are recycled as per regulations but product itself will never be used again for any filtration.

Social Implications of Watch® Water:

The **Watch® Water** has engaged itself to design very economical filters to donate to very important charities all over the world who are supporting poor people to have access to clean drinking water without Uranium, Arsenic, heavy metals and many more harmful contaminants. To know more about Cartridge to Donate please visit our website www.watchwater.de

A GREAT WAY TO START DONATION

Watch®'s Quick Change Filters can be coupled together to assure the best quality filtration available for your drinking water !



ITS NOT ONLY THE BEST DESIGN BUT ALSO THE BEST QUALITY FILTER!

Features & Benefits:

- **Affordable:** The most advanced and affordable water filter available in the market.
- **Simple to use:** Install the Head, insert the cartridge into the filter head and rotate clockwise ¼ turn.
- **Quick Payback:** The Quick filters **UNIQUE**, **SPECIAL** or **TITAN** will replace the need of bottled water at home, office and restaurants and you will see savings immediately.
- **Long Service Life:** All filter are made of very high capacity adsorbents like **BAROSORB®**, **FILTERSORB®** and **TITANSORB®** which can remove impurities many times longer than any ion-exchange resin or Reverse Osmosis available in water treatment industry.
- **High Quality:** You will see the difference.

Notice:

1. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
2. For cold water only.
3. Replace cartridge when rated flow becomes too slow and contact your local dealer or place where you purchased.

Distributed by:

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