

## **Tidal Wave Water Filters**

### **Sources of pollution:**

- Industrial
- Agriculture
- From your own house
- Transportation
- But the worst is Chlorine, the silent killer
  - It kills germs because it is a poison
  - Chlorine gas was used extensively in WW II as a weapon (poison gas)
  - Combines with natural organic decaying matter in ground water to form Chloroform-another deadly gas

### **What the experts have to say about chlorine:**

- "Showering is suspected as the primary cause of elevated levels of chloroform in nearly every home because of the chlorine in the water." ENVIRONMENTAL PROTECTION AGENCY Dr. Lance Wallace
- "A Professor of Water Chemistry at the University of Pittsburgh claims that exposure to vaporized chemicals in the water supplies through showering, bathing, and inhalation is 100 times greater than through drinking the water." THE NADER REPORT - TROUBLED WATERS ON TAP Center For Study of Responsive Law
- "The major health threat posed by these pollutants is far more likely to be from their inhalation as air pollutants. The reason that emissions are high is that because water droplets dispersed by the shower head have a larger surface-to-value ratio than water streaming into the bath." SCIENCE NEWS, VOL. 130 Janet Raloff
- "The cause of atherosclerosis and resulting heart attacks and strokes is none other than the ubiquitous chlorine in our drinking water." CORONARIES/CHOLESTEROL/CHLORINE Dr. J.M. Price, M.D.
- "In the vast majority of cases where germ-free water is required whether for public supply, or in the swimming pool, the process of disinfection will involve the use of chlorine in one form or another." CHEMISTRY AND CONTROL OF MODERN CHLORINATION Dr. A.T. Paline, Ph.D. (O.B.E.)
- "Chlorine gas was despicably used during WWI. When the war was over, the use of chlorine was diverted to poisoning germs in our drinking water. All water supplies throughout the country were chlorinated. The combination of chlorine (when in drinking water) and animal fats results in atherosclerosis, heart attacks, and death." WATER CAN UNDERMINE YOUR HEALTH Dr. N.W. Walker, D.S.
- "Chlorine is the greatestcripler and killer of modern times. While it prevented epidemics of one disease, it was creating another. Two decades ago, after the start of chlorinating our drinking water in 1904. The preset epidemic of heart trouble, cancer and senility began." SAGINAW HOSPITAL Dr. J.M. Price, MD.
- "Cancer risk among people drinking chlorinated water is 93% higher than among those whose water does not contain chlorine." U.S. COUNCIL OF ENVIRONMENTAL QUALITY
- "Drinking tap water that is chlorinated is hazardous, if not deadly to your health." HEALTHY WATER FOR A LONGER LIFE Dr. Martin Fox
- "Known carcinogens are found in drinking water as a direct consequence of the practice of chlorination. A long established public health practice for the disinfection of drinking water." MUNICIPAL ENVIRONMENTAL RESEARCH LABORATORY Francis T. Mayo, Director
- "Taking long hot showers is a health risk, according to research presented last week in Anaheim, California, at a meeting of the American Chemical Society. Showers - and to a lesser extent baths - lead to a greater exposure to toxic chemicals contained in water supplies than does drinking the water. The chemicals evaporate out of the water and are inhaled. They can also spread through the house and be inhaled by others. House holders can receive 6 to 100 times more of the chemical by breathing the air around showers and bath than they would by drinking the water." NEW SCIENTIST 18 September 1986 Ian Anderson
- "Studies indicate the suspect chemicals can also be inhaled and absorbed through the skin during showering and bathing." U.S. NEWS 7 WORLD REPORT - July 29, 1991 Is Your Water Safe - The Dangerous State of Your Water
- "A long, hot shower can be dangerous. The toxic chemicals are inhaled in high concentrations." BOTTOM LINE/August 87 Dr. John Andelman, Ph.D.
- "Volatile organics can evaporate from water in a shower or bath." "Conservative calculations indicate that inhalation exposures can be as significant as exposure from drinking the water, that is, one can be exposed to just as much by inhalation during a shower as by drinking 2 liters of water a day." "People who shower frequently could be exposed through ingestion, inhalation and/or dermal absorption." IS YOUR WATER SAFE TO DRINK? Consumer Reports Books
- "Skin absorbsion of contaminant has been underestimated and ingestion may not constitute the sole or even primary route of exposure." AMERICAN JOURNAL OF PUBLIC HEALTH Dr. Halina Brown
- "Approximately forty-five million people Americans in thousands of communities drink water that is polluted with fecal matter, parasites, disease-causing microbes, and pesticides - at levels that violate Safe Drinking Water Act standards." GOOD HOUSEKEEPING INSTITUTE REPORT November, 1988 Ken Cook, president Environmental Working Group

## What is inside the Tidal Wave Water Processors?

- KDF 55 for Inorganic and bacteriostatic
- Coconut shell carbon for organics
- 1, 5 and 10 micron mechanical processor pads

## What the Tidal Wave Water Processors do:

- KDF removes heavy metals and free chlorine
- Bacteriostatic without having to use silver
- Carbon removes the organic pollutants we add to the environment as well as those created by chlorine and natural organic material
- 1 tbsp= football field

## Reverse Osmosis

- Expensive. Typically \$500 and up and costs about \$100 per year to maintain properly. This is approximately \$30 per gallon
- Non-selective rejection. Calcium and other healthful minerals are rejected. Studies have shown that drinking nothing but demineralized water can leach valuable electrolytes from your body
- Requires maintenance. Processors (4) must be changed every 12-18 months
- Wasteful. Most units have a rejection rate of 80%, meaning to make 1 gallon, 4 gallons go down the drain as waste
- Slow to make water. Most units will take over a hour to make 1 gallon of water

## Distillation

- Water is separated from certain contaminants via vaporization(boiling)
- Like RO, it is expensive, requires significant maintenance due to the build up of mineral scale, uses energy (electricity), is very slow and removes valuable minerals.
- In addition, many chemicals vaporize at a temperature at or below the boiling point of water, thus they stay in the water requiring an additional carbon processor after the water is distilled
- Flat taste due to the lack of minerals

## Bottled Water

Federal Government requires it to be as good but no better than tap water

- Filtered
  - Aquafina from Pepsi and Dasani from Coke is bottled from the taps at the 11 bottling plants across the country using RO
  - Bottled water made from filtered tap water is more apt to have bacteria as it is stored without chlorine.
- Spring
  - Many times is municipal water
  - Other times it is simply well water that is deceptively advertised
  - Well water from bore holes
  - Taken far from the location implied on the label (i.e., Yosemite bottles in L.A. and Oasis from Philadelphia)

## Summary of why Tidal Wave technology is best

- Removes a very wide range of contaminants
- Organic and inorganic (metals)
- More efficient lateral flow
- Economical @ less than .05 cents per gallon
- Retains minerals
- Does not remove fluoride (for healthy teeth)
- Bacteriostatic without the use of silver ions

## The Solution to Water Pollution

Tidal Wave's countertop water processor is uniquely designed to fit compact spaces and connect to any faucet. This sealed unit contains a patented bacteriostatic media, KDF®, to drastically reduce or effectively remove: Chlorine, Lead, Mercury, Iron and other metal from the water. The Coconut Shell Granular Activated Carbon is used to improve the taste and odor and to reduce: Chlorine, THMs, PCBs and many other organic contaminants that may be present in the water.



### **Features:**

- 5 Stage filtration and purification system
- Rated at 15,000 Gallon Maximum Capacity
- Installs in minutes without tools
- Fits any faucet, adapters included
- Compact, light and economical
- Swivel Chromed spout
- Sealed construction
- Bacteriostatic media: prevents bacteria growth
- Improves taste and color
- Eliminates odors
- Reduces most EPA listed contaminants
- Size: 11.5 inches height; 4 inches diameter
- Recommended Flow: 0.5 to 1 gallon per minute



### **Features:**

- 5 Stage filtration and purification system
- Rated at 25,000 Gallon Maximum Capacity
- Installs out of sight under the sink
- Easy installation kit included
- Optional chrome spout available for sink top use
- Compact, light and economical
- Sealed construction
- Bacteriostatic media: prevents bacteria growth
- Improves taste and color
- Eliminates odors
- Reduces most EPA listed contaminants
- Size: 14.0 inches height; 5 inches diameter
- Recommended Flow: 1.0 to 2 gallon per minute

## *Spout for Under Sink Water Processor*

This is the spout to use for mounting on your sink top to divert water from the under sink unit and requires a mounting hole in your sink. Installation instructions are included.