



**JMCC *Water Filters***



**TAKE CONTROL OF YOUR WATER  
AND YOUR FAMILY'S HEALTH NOW**

## FOREWORD



We have ignored the science surrounding our water supply for too long. After decades of major contamination of rural and municipal water supplies throughout the country, it's clear that federal and local standards for clean water have not kept pace with the reality of an increasingly contaminated water supply.

Agricultural runoff, manufacturing waste and even cleaning supplies are present in the rural and municipal water supply of all 50 states with little being done to protect us from the harm these chemicals cause.

Water conditioning with store bought charcoal filter cartridges or water softeners does nothing to remove chemicals known to target and shutdown organs. Current water standards are set by the EPA which has pushed implementation to municipalities who are operating off decades old data and standards. For the millions of us on private wells, we are left to our own research and remedy as there is no solution to monitoring or treating our water overall.

The real solution to cleaning up our water isn't necessarily most effectively carried out at the source since that won't benefit the entire population. Instead, if all water was treated at the point of entry to each home, we could better ensure safety for everyone.

We need an industrial solution that's affordable—one that removes toxins that get into the body, not only via drinking—but showering and washing alike. Softeners and point of use filters are not enough, they're simply not engineered to remove the growing list of forever chemicals found in our water. JMCC Water Filters offers a solution worth considering. The MR5 Whole House Filter system's lifetime stainless steel housing and multi-filter design is built to perform the important task of cleaning our water within the home, both hot and cold.

This is an important issue we all must start paying attention to. Individually and collectively our health and wellbeing are at stake here. Clean water may be the most important yet most ignored issue this industry must respond to. 💧

— ERIC AUNE

Owner and Master Plumber at Aune Plumbing & Heating, Minneapolis, Minnesota

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“THIS IS A CALL – not only to homeowners – but even more importantly to builders, architects, and plumbers to contact JMCC Water Filters to install the MR5 Whole House Water Filter on your projects. This small additional cost will respond to the issue of Point of Entry Clean Water that we can no longer ignore.”



# A MAN AND HIS MISSION

**JAMES MCCANNEY**, physicist, scientist, radio show host, computer encryption expert, theorist on the electrical nature of the solar system, finalist in the Water Abundance XPRIZE and university educator, is the founder of JMCC Water Filters and its unique water filtration technology. McCanney developed the filtration system and the challenging mass production techniques necessary to effectively mass produce and commercialize it.

Drawing on his technology, physics, and invention expertise, McCanney concluded that there are three pillars of a healthy home and that tremendous in-depth improvements in approach would be necessary in both water and energy. Putting himself in front of both industries several years ago, he correctly predicted that the state of our water would continue to decline rapidly.

In response, he developed unique and advanced water filter technology that would specifically target the removal of PFAS chemicals, volatile organic chemicals, glyphosates, nitrites, agricultural runoff—and a long list of toxins that municipalities are unable to remove and don't even test for. The solution had to be easy to install, maintain, and had to be affordable. The resulting filtration system, the MR5 Whole House Water Filter is the most sophisticated and effective technology on the market today.



## JMCC'S MISSION STATEMENT ECHOES THE PASSION OF THE MAN

JMCC Water Filter's mission is to educate the public on our water's dire condition nationally and provide products that bring home the best solution. JMCC Water Filters is dedicated to enabling the cleanest, healthiest water in each home via our unique water filtration technology at an affordable price. We are committed to impacting a crucial national challenge—one home at a time. Read here how easy it will be to order and have your filter installed. 💧





# WHAT'S REALLY HAPPENING IN YOUR WATER AND HOW IT AFFECTS YOU

The water in our homes is contaminated, and this contamination represents a long-term health hazard for us all. In a 2019 Center for Disease Control (CDC) study and report on Human Exposure to Environmental Chemicals, researchers found PFAS in the blood and urine of virtually all of the volunteers tested. At even small levels, these contaminants cause adverse effects in the liver, heart, hormone and immune systems, reproductive organs, and fetal development.

Although our minds immediately go to drinking water when we consider filtering out contaminants, the reality is that both cold and hot water are necessary for taste and health.

**LET'S SEE WHY.**

## HOW DOES WHAT'S IN THE WATER IN YOUR HOME AFFECT YOU?



### Drinking-Water

Just about every source outside of the regional water provider and the EPA says that your water is not drinkable. As of mid-2021, the EPA has only established “health advisory levels” for PFAS compounds—so they are free to exist in our drinking water. Most people that add filtration do so for their drinking water alone, using systems that don’t yet address other challenges caused by PFAS and other toxins found in the water supplies across the nation.



### Shower and Bath

Surprisingly, the most significant onslaught of toxins hits us when we shower. Our skin is the largest organ in our body, and our lungs represent a huge surface area. Between the water hitting our skin and our breathing in toxins as vapor, the toxins never access the purifying capabilities of the liver and kidneys but instead go directly into our blood and cells, accumulating for months, years, and decades.



### On-the-go Water

We use bottled water for on-the-go convenience and safety when we believe that our tap water is unsafe, has an unpleasant odor, or is not running clear. In a recent *Civilian Exposure* article, citing a *Consumer Reports* study of 47 bottled water brands for PFAS content, testing focused on 30 PFAS chemicals and four heavy metals—arsenic, cadmium, lead, and mercury. The results show that two of 35 noncarbonated waters tested exceeded the 1 part per trillion threshold currently recommended, one of the two coming in at 4.64 ppt. Seven of 12 carbonated brands tested exceeded the threshold, with the highest being 9.76 ppt.



### And in the Wash

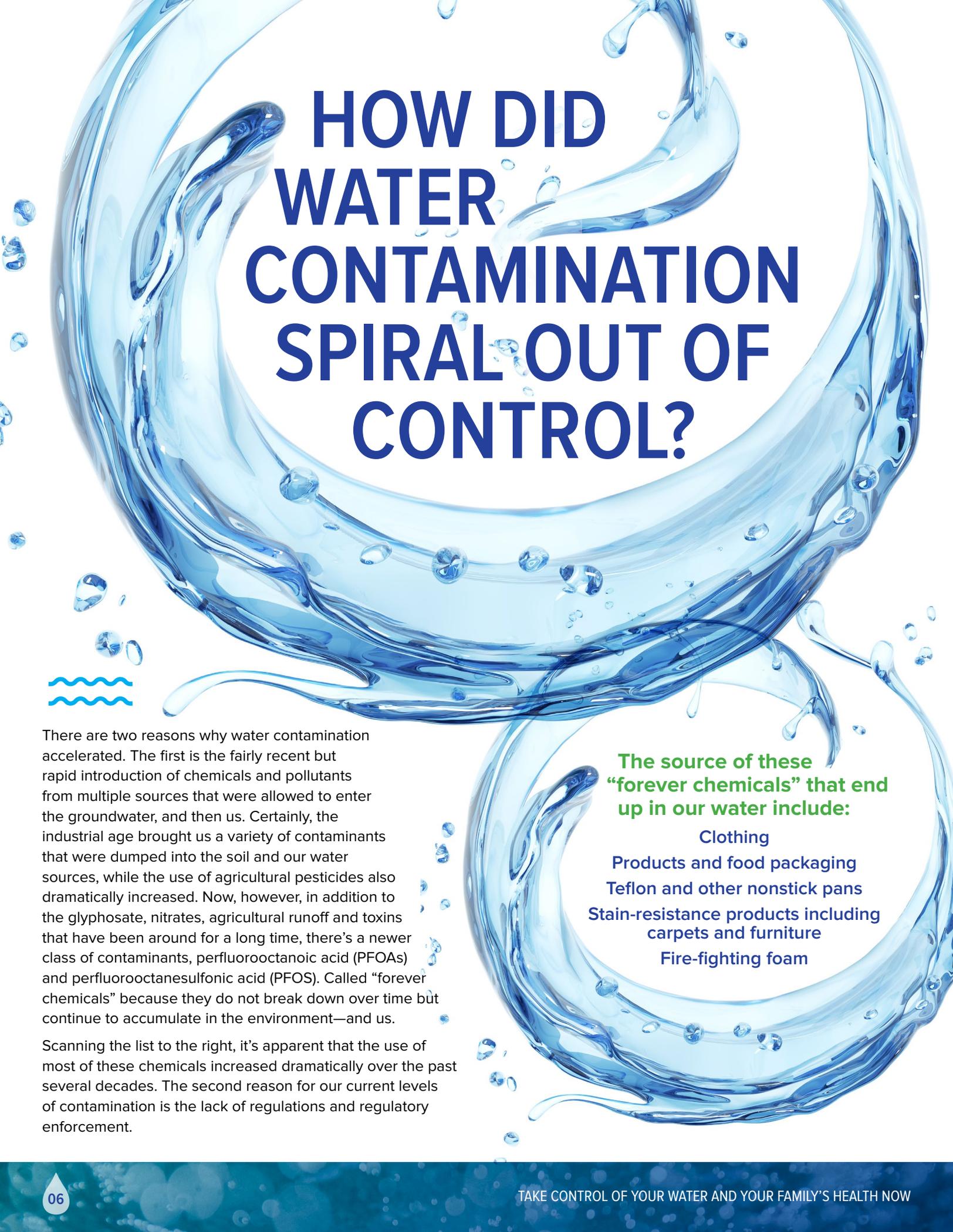
When we wash our clothes with filtered water, we eliminate the harmful effects of chlorine residue on our skin and even the fabric from breaking down and fading. With filtered water, dirt, chlorine and other chemicals, and grime are the only things that come out in the wash—not the brightness of our clothes or the disintegration of the fabric.

By using an MR5 whole-house water filtration system, the hot and cold water that comes out of your faucet, goes into your washing machine, and sprays out of the shower or bath, and that you take with you on-the-go, will be toxic- and chemical-free. The MR5 uses two stages. The first is an ultra-fiber, a series of layered meshes comprising the outside shell technology. Inside this layer is the medium that extracts all heavy metals, chemicals, and toxins. The targeted toxin filtration system specifically addresses PFAS, chemicals, volatile organic chemicals (VOCs), glyphosate, nitrates, agricultural runoff, and toxins. The MR5 removes viruses at 100 nm and zaps anything smaller with an optional UV-post filter.

“Just about every source outside of the regional water provider and the EPA says that your water is not drinkable.”

The most important reason to purchase an MR5 Whole House filtration system is the long-term health benefits for you and your family. If you are a homeowner, builder, architect or plumber, include this in your plans to assure that your homes meet the three important aspects of a healthy home –

**ENERGY EFFICIENCY, CLEAN AIR AND POINT OF ENTRY CLEAN WATER.** 💧



# HOW DID WATER CONTAMINATION SPIRAL OUT OF CONTROL?



There are two reasons why water contamination accelerated. The first is the fairly recent but rapid introduction of chemicals and pollutants from multiple sources that were allowed to enter the groundwater, and then us. Certainly, the industrial age brought us a variety of contaminants that were dumped into the soil and our water sources, while the use of agricultural pesticides also dramatically increased. Now, however, in addition to the glyphosate, nitrates, agricultural runoff and toxins that have been around for a long time, there's a newer class of contaminants, perfluorooctanoic acid (PFOAs) and perfluorooctanesulfonic acid (PFOS). Called "forever chemicals" because they do not break down over time but continue to accumulate in the environment—and us.

Scanning the list to the right, it's apparent that the use of most of these chemicals increased dramatically over the past several decades. The second reason for our current levels of contamination is the lack of regulations and regulatory enforcement.

**The source of these  
"forever chemicals" that end  
up in our water include:**

- Clothing
- Products and food packaging
- Teflon and other nonstick pans
- Stain-resistance products including  
carpets and furniture
- Fire-fighting foam

The Food and Drug Administration (FDA) and Environmental Protection Agency (EPA) are both responsible for drinking water safety. The FDA regulates bottled drinking water, and the EPA sets the standards for what's in our public tap water. They currently set legal limits on more than 90 contaminants however, today's toxins are in the thousands, and growing. Cities claim they are "compliant" with Federal standards, but these standards have not been updated in decades.

## RECENT ACTIVITY INCLUDES:

In 2019 the EPA released a PFAS action plan. However, it did not have deadlines for action, so homeowners are left on their own to find solutions.

The Safe Drinking Water Act (SDWA) enables states to set their own drinking water standards as long as they are as stringent as the EPA's

In March 2021, the EPA indicated it would regulate the two worst drinking water PFAS chemicals, however there are thousands of PFAS chemicals they do not address.

In 2021, a bill passed the house that requires the EPA to establish national drinking water standards for PFAS. The EPA added 175 PFAS to the Toxics Release Inventory in response to the bill and also released a PFAS Strategic Roadmap that accelerates setting standards for PFOA and PFOS by 2023.

*“Homeowners are left to their own resources to install a real solution.”*

In December 2021, they announced that the agency will expand drinking water testing nationwide to monitor 29 PFAS and lithium. The United States Public Interest Research Group PIRG and Environment America weighed in on the news stating that, while increasing monitoring is positive, it fails to take any tangible action to reduce the use of the over 9000 toxic chemicals or recommend solutions to the homeowner. Since the cost to cities is beyond their financial reach, the homeowner is left with the task of installing qualified equipment.

Things are moving in the right direction, but slowly. Actual enforced standards are likely at least five years out so the homeowners are left to their own resources to install a real solution.



**Stop waiting for regulatory bodies to act. Implement an immediate solution, JMCC Water Filters MR5 whole-house water filtration system that provides toxic and chemical free water. The MR5 whole-house filtration system with an optional UV-post filter costs less than \$1,700 plus the cost of a plumber to install it. Your family will experience the benefits of the MR5 immediately upon installation, and, most important, you will be eliminating the cumulative effects of toxins and PFAS going forward, safeguarding your family's health. 💧**



# TAKE YOUR FAMILY'S HEALTH BACK WITH THE MR5



The serious problems we all have with water are not “out there,” they are in your home. The MR5 Whole House Water Filter not only removes PFAS to safe levels, but also thousands of industrial toxins, pharmaceuticals, chlorine, fluoride, and such naturally occurring toxins as arsenic. It also removes gasses and odor from water yet allows natural minerals that are necessary for good health to pass through.

## How the MR5 Works

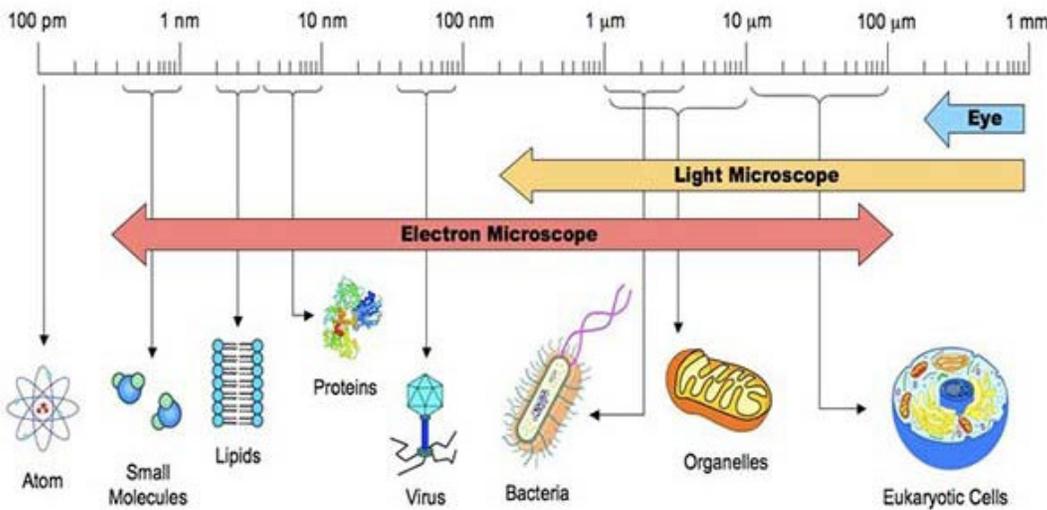
The heart of the MR5 is the 20" JMCC Water Filters “HI” 2-stage filter element. Five of these filters in the MR5 provide the high flow rate necessary to meet all of your water needs. The outer shell first removes pollutants to 0.1 micron, while the second stage inner medium, removes PFAS “forever chemicals,” organic/inorganic chemicals, Volatile Organic Chemicals (VOCs), arsenic, chlorine, chloramines, glyphosates, heavy metals, odor gasses, radioactive atoms, and more. The MR5 housing is CAD/CAM manufactured from lifetime 304 grade stainless steel for a lifetime of carefree filtration. It is quick to install (a few hours by a professional plumber) and easy to maintain by the average homeowner.





The commercial-grade MR5 filtration system is installed where the municipal or well water line enters the home. Both hot and cold water are filtered for kitchen and bathroom sinks, shower and laundry use. An optional UV Bacteria Virus Final Filter (Sterilizer) is also available and recommended. The extremely rugged unit is also manufactured from lifetime 304 stainless steel.

- Easily installed in just a few hours in any house by a plumber, where the municipal or well water line enters the home.
- Renders all water, including kitchen, bathroom, shower, laundry, and outdoor faucets (hot and cold water), free from toxins.
- Requires no electricity (Electrical outlet required for optional UV Filter).
- Maintenance as simple as changing filter elements approximately every 12 months or 50,000 gallons of use.
- No backflushing as with reverse osmosis systems.
- Allows up to 12 gallons per minute flow rate, enough for any home to be free from toxic substances in the water supply.
- Removes particulate matter, bacteria, viruses at the 100 nm level. Whatever makes it through the filter is removed by using our optional ultraviolet post filter.
- Low cost – less than \$1700.



“  
The MR5 removes viruses at the 100 nm size and what little makes it through the filter is zapped by the optional ultraviolet post filter.”

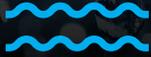


The MR5 whole-house filtration system with an optional UV-post filter costs less than \$2,000 plus the cost of a plumber to install it. Your family will experience the benefits of the MR5 immediately upon installation, and, most important, you will be eliminating the cumulative effects of toxins and PFAS going forward, safeguarding your family's health. 💧

### A Word About Shipping

JMCC provides FREE SHIPPING for the MR5 to the 48 contiguous states (physical address required). Orders from Alaska and Hawaii will be billed additional charges at the time of shipping via email invoice.

**ORDER HERE >**



# SPECIFICATIONS

SPECIFICATION	MR5
GPM	7.0 (Max 12)
Number of 20" Elements	5
In/Out Pipe Diameter	1.5"
Filter Capacity (Gallons)	57,000
Chlorine > 99%	57,000
Chloramine > 99%	28,000*
Mercury >97%	28,000
Viruses >99	UV Virus Bacteria Final Filter (optional)
Lead >98.5%	28,000

- High-flow solution for maximum removal of challenging contaminants.
- Recommended use with our UV virus bacteria final filter
- Sample Capacities: (removes other contaminants to 99% levels)
- Built-In Pressure Gauge & Pressure Release Valve
- Installation can use standard PVC or copper tubing.
- NSF/ANSI 61 Certified Compliant

\* JMCC recommends that filters should be changed every 50,000 gallons. However, if a particular toxin is prevalent in the area, filters should be changed to address that issue.



# MR5 FACTS AND FIGURES

There is no viable competitor for the MR5. We selected the MR5 from our extensive product line to meet the severe water pollution seen in municipal water systems today. Housed in a high-quality lifetime stainless steel unit, virtually any homeowner can afford to purchase and install in existing or new construction. Builders, contractors, architects and plumbers should include the MR5 as part of their build philosophy for your homeowner clients. We ship direct to your client or your location. Remember the 3 pillars of a healthy modern house – Energy Efficient – Clean Air – Point of Entry Clean Water.

The MR5 is a 2-stage filter with an initial Ultra Fiber 0.1-micron shield to remove particulate material and a second stage that is a proprietary medium targeting thousands of toxins, while allowing for healthy minerals to pass through. The water is filtered prior to the water heater so both hot and cold water in the entire house is purified. It is like having your own pure mountain mineral water in your home.

Before you think, “My water softener and my under-sink and shower filters already do everything an MR5 does,” that’s just not the case—not even close. Water softeners remove minerals from the water in regions that have hard water. And there isn’t a softener or filtration system that removes PFAS. The MR5 alone is specifically designed for the task. 💧

## THE 3 PILLARS OF A HEALTHY MODERN HOUSE

- Energy Efficient
- Clean Air
- Point of Entry Clean Water.





# THE MR5 BY THE NUMBERS

Flow Rate	12 gallons per minute	Typical: kitchen faucet 2-3 GPM, showers 1.5-3 GPM, washing machines 3-5 GPM
MR5 Installation Space	12" x 12" x 60" high	Includes sufficient height for filter change
Size of Home	Up to 10,000 sq. ft. w/5 bath	Can be used in small apartment building
Filter Life	Average of 50,000 gallons	Approximately 18 months Filters can be changed in approximately 30 minutes by homeowner
Water Pressure	No reduction	Install with pressure relief valve set to house pressure
UV Light Brightness	55 watts	Brightest on the market. Free replacement bulb included. Bulbs should be changed every 12 months
UV Tube Length	36"	Longest tube on market Requires additional 36" to remove and replace bulb. Can be installed horizontally or vertically Find additional info at: <a href="#">FDA statement regarding UV lights</a>

## IMMEDIATE BENEFITS

Within a few hours of installation, you'll notice the difference with the MR5. Initially, filtered water will mix with the water previously in the water heater for a few days until the water in the tank is completely replaced with filtered water. From that point forward, you will experience the beauty of chemical free water in all fixtures of the house. 💧



# HOW THE MR5 IS DIFFERENT

The MR5 is NOT a water softener but a broad-spectrum commercial grade water filtration system at an affordable price. The MR5 does not backflush, nor does it add anything to or change the water as with “water conditioners.” The small plastic filters for the sink, refrigerator or shower use a small amount of charcoal that only removes chlorine. They do not have enough “contact time” with fast-flowing water to even remove chlorine effectively.

JMCC Water Filters ships all of its products FREE (in the contiguous U.S.) direct from its warehouses to the customer doorstep via UPS. Costs are kept down to less than 50% of what they would be if we used local distributors. You hire a local plumber to install because they know the local codes and regulations. We work with your plumber to make sure you have a rapid installation. All told, this is the most economical sales model.

## Rural or Urban

For farms and cities, the MR5 is the only product that makes sense. Some of the most contaminated water comes from rural area water tables where there is extensive farm runoff with cancerous glyphosate (RoundUp), nitrates from fertilizers and in many cases naturally occurring arsenic and lead.

Even though municipal water suppliers will tell you that their water meets “federal standards,” that means they only test for a few toxins and then are allowed to add chlorine, fluoride, chloramine and other toxic chemicals to the water. Chlorine creates eight different acids that are toxic. Fluoride (sodium fluoride) is a highly toxic waste material that requires the use of HASMAT suits to add it to the water supply. PFAS chemicals are in all water supplies in the USA today and are highly toxic. The EPA deals with a mere 25 of the 9000 PFAS chemicals known to pollute the water in the U.S. from decades of industrial pollution.



## EASY INSTALLATION

Plumbers find the MR5 extremely easy to install based on detailed instructions. Once you receive your MR5, schedule your local plumber. At your request we provide installation instructions directly to the plumber and talk to them if necessary, so when they arrive, installation is easy and takes approximately three hours. We recommend a professional licensed plumber. 💧



# HOW DO I ORDER?

“It’s easy.”

The MR5 can be ordered alone or with additional filter packs (discounts when purchased with the original order). The optional UV Filter Sterilizer comes with one extra bulb. Coupon codes are offered through JMCC advertisers.



[ORDER HERE >](#)

## YOU’VE ORDERED YOUR MR5—NOW LET’S GET IT UP AND RUNNING

First, order your MR5! Once received, here are the simple steps for installation:



A homeowner, it’s likely that you already have a licensed plumber that you trust. Notify us with their contact information and we will email installation instructions to them at your request so they are prepared when your unit arrives.



If this is something they are not directly familiar with, we will talk with them on the phone to relay the do’s, don’ts and techniques that will ensure a great installation.



The installation should take approximately three hours—and with our assistance, they will get it installed correctly right out of the box.



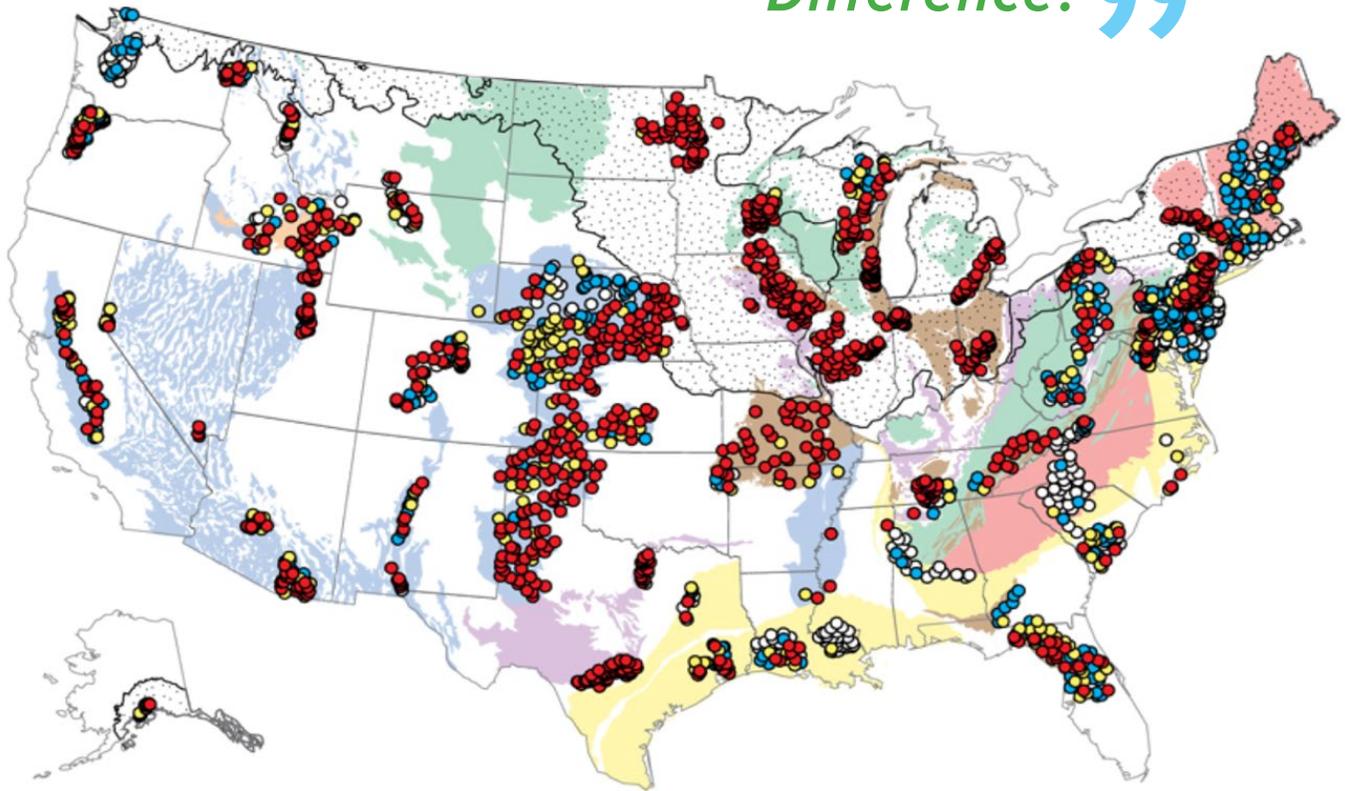
Watch your water usage (using your water bill or water meter) to change filter elements.

“Really, that’s it!”



# WATER SOFTENERS AND WHOLE-HOUSE WATER FILTRATION

“What’s the Difference?”



Source: Public Domain

## HARDNESS in milligrams per liter

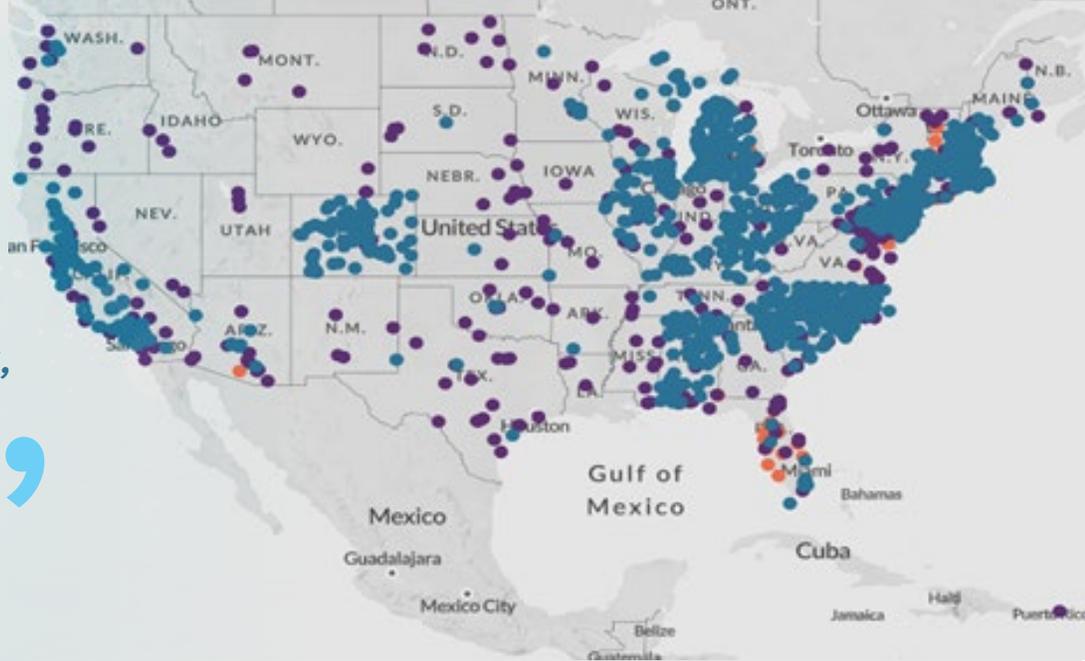
- > 180
- > 120 and ≤ 120
- > 60 and ≤ 120
- ≤ 60

As its name implies, a water softener tackles one specific problem in your home—hard water and the frustration it can cause. The USGS estimates that approximately 85% of the U.S. population uses water with a high concentration of such minerals as calcium and magnesium most likely to cause hard water. Hard water is the guilty party in:

- Filmy residue on your skin when washing
- Soap scum on shower doors and curtains
- Water spots on silverware and glasses

“Although it is often thought that water softeners remove contamination and dangerous chemicals, that isn’t the case.”

- Military Sites
- Drinking Water
- Other Known Sites



Although not a threat to human life, mineral-rich water can shorten the life of hot water heaters and can severely clog plumbing.

When water softeners remove the offending minerals, appliances and hot-water heaters achieve greater efficiency. If you live in a hard-water area, you may need a water softener. However, although it is often thought that they remove contamination and dangerous chemicals in water, that isn’t the case.

The average cost to purchase and install a water softener according to HomeGuide is \$800 to \$2,500 on average for whole-house units and high-end brands can cost as much as \$5,000 OR MORE to install. Ongoing expenses include refill salts, which average \$10 to \$20/month. We do not sell nor recommend water softeners nor vendors. If you have hard water, you may need a water softener in addition to the MR5 filter. A note of caution, there are companies trying to sell water softeners calling them “whole house filters”. If it has a plastic or fiberglass tank with internal resin and a small cap at the top, it is a water softener not a water filter.

In comparison, let’s look at the MR5 Whole-House Filtration System. Its goal is to provide clean and safe water to our homes. A quick glance at the above graphic tells the story of some of the most serious contaminants—PFAS.

An interactive map created by the Environmental Working Group (EWG) as of August 2021 show PFAS contamination in 2,854 sites in 50 states and two territories. Removal of toxins requires a broad-spectrum filtration system at the Point of Entry so that all hot and cold water in the house are filtered. EPA has identified 120,000 contamination sites all across America effecting millions of homes from coast to coast.

JMCC’s MR5 whole-house water filtration system provides your family with toxic- and chemical-free water. The MR5’s filtration system extracts heavy metals, chemicals, and toxins and specifically addresses PFAS, chemicals, volatile organic chemicals (VOCs), glyphosate, nitrates, agricultural runoff, and toxins. The MR5 removes viruses at 100 nm and zaps anything smaller with an optional UV-post filter, which together cost less than \$2,000 delivered. All you pay is the cost of a plumber to install it and replacement filters going forward.

**JMCC’s MR5 whole-house water filtration system provides your family with toxic- and chemical-free water.**”



**JMCC *Water Filters***

**ORDER HERE >**

**Additional Resources:**

[FAQS FREQUENTLY ASKED QUESTIONS >](#)

[FREE EBOOK – WHAT’S IN YOUR WATER >](#)

[HI FILTER ELEMENT SPEC SHEET >](#)

[FDA STATEMENT ON UV STERILIZERS  
\(INCL COVID19\) >](#)

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