



CUSTOM ENGINEERED TO YOU  
Detail & Spec Information

# SO WHAT IS A CUSTOM ENGINEERED PURE CORE SYSTEM MADE OF?

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## FILTER HOUSINGS

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**We always strive to use US based manufacturers whenever possible. The majority of our housings are from Washington. Some housings like our stainless steel UV Filters are from our Global Distributor.**

Our supplier for our main whole-house filter housing configuration is independently certified by SGS and meets both NSF and ANSI 58 standards. The components are BPA-Free, food grade material and globally compliant with REACH, RoHS and TUV standards. We also use clear housing filters on purpose. This allows you to see what's being removed by the system and also see what's in the water. Better visibility allows for a better assessment of filter life giving you visual peace of mind.



## FILTERS

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**For our water filters, while we use a variety of manufacturers, every filter always meets NSF/ANSI standards.**

Because our system is designed to have interchangeable cartridges, we use a variety of distributors and manufacturers to give you the best possible filtration in your area. Surprisingly, not every water district delivers the same water nor does every town have the same infrastructure. In addition, the water you receive from your water supplier changes constantly. With our engineered system model configuration, we are able to combine multiple types of filters to specifically treat your water. The majority of our filter manufacturers are US based. While we continue to strive for 100% US made, some filters (like our UV filter) are manufactured outside the US. Our main system filters are certified NSF/ANSI 42, 53, 372 & 401. Depending on the need, our standard micron rating used is 5. For specific needs, we can filter as low as 0.5 microns. During the filtration process, the filters contain a variety of food grade filtration materials such as carbon, polyphosphate, charcoal, resin (ion exchange) and high-quality melt blown polypropylene for high capacity and efficient removal of contaminants.

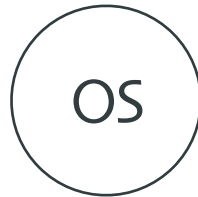
## HOW DO WE COMPARE TO OTHER SYSTEMS...

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### OTHER COMPANIES WITH MULTI STAGE

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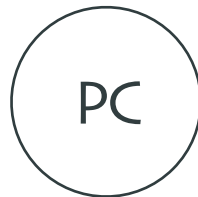


**Most systems you will find (for whole house filtration) are composed of 2 - 3 stages. There is normally a sediment filter, a carbon filter and a softener cartridge filter.**

This set up is the standard configuration in almost 100% of filter systems out there. In fact, it's actually close to the same configuration the water districts use to clean and deliver water to you (minus the softener). There are many great products out there and great companies striving for the same end goal. We will never put down another company but are rather excited that so many people are working towards giving us clean water. It's a nationwide and global effort. Without researchers and labs from incredibly smart people, we'd still be at the beginning. So we thank them in their efforts and advancement of water filtration technology.

### THE PURE CORE MSPOU DIFFERENCE

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**We set out to engineer a process of unlimited versatility and customization.**

If all of our water issues were the same from one county to the next, a one size fits all approach would work wonders. Unfortunately, that is far from reality. With different infrastructure, water tables, contaminants and district added contaminants to reduce bacteria levels in distribution lines, your neighbor down the street can have a completely different set of problems than your own home. When it comes to contaminants, our research and testing has shown that multi-stage filtration with dual carbon filters consistently yields the best results. And since one configuration doesn't fit all, our systems are design to use an interchangeable configuration that adapts to your home. With maintenance every 3 months, this allows your configuration to be updated to remove/reduce the contaminants currently in your water at the time. Your street might contain manganese from old pipes in the ground (smelly water) while your neighbor around the corner has none because of new pipes laid recently. We adapt your system to your needs, giving you pure clean water each time you open the faucet.

# THE MSPOU ~ 3612 MODEL

(Multi-Stage Point of Use)  
Standard Configuration 10" x 4.5" Filters



The sediment filter is a melt-blown polypropylene filter 5-Micron filter. This filter is highly resistant to corrosion, providing effective filtration as the pre-filter to the system, the first line of defense. It removes dirt, sand, rust, silt and scale particles.

This first carbon stage is a 5-micron dual layer polypropylene granular activated carbon filter. This provides additional sediment and dirt removal plus removal of chlorine, chloramines, Gen-X, PFAS, odors, collides and hydrogen sulfides.

The third stage is a 5-micron activated carbon filter made of premium coconut shell carbon. It is effective at removing chlorine, chloramines, PFAS and PFOA's.

The fourth stage is a resin filter (ion exchange resin). This filter is designed to remove Calcium, Magnesium and Iron which normally causes scale buildup and hardness in the water.

The fifth and final stage is a UV Filter. This filter is designed to effectively breakdown the DNA & RNA of microorganisms rendering them harmless. It has a 99.9% effective removal rate of contaminants such as cryptosporidium, e-coli, algae & coliform.

For most city water customers, the standard configuration has been the most effective method of treatment for the whole home. It consistently performs well in multiple districts delivering clean water to every tap in the house. While this is the standard configuration, each home is assessed and provided with the best configuration for your needs. This is also done at no extra cost. There's no up-sale to a 'better' filter. You simply get the filters you need.

*Dimensions: 36"H x 26"W x 12"D (Average)*

# OUR FILTERS

(What Each Filter/Stage Removes)  
*Standard Configuration*



**STAGE 1**  
SEDIMENT

**Micron Rating: 5**

**Removes:**

Physical solids, dirt, sand, rust, silt and sediment.

**How:**

As compared to a pleated sediment filter, melt-blown polypropylene has been proven to more effectively remove the above contaminants with a higher holding capacity.

**Lifespan & Replace:**

10,000 - 30,000 Gallons

3 - 6 Months



**STAGE 2**  
CARBON

**Micron Rating: 5**

**Removes:**

Sediment, Chlorine, Chloramines, VOC's, Trihalomethanes, PFOA/PFOS, GenX and Odors

**How:**

Granular Activated Carbon is proven to effectively remove the above contaminants. It absorbs the contaminants and traps them on the carbon surface.

**Lifespan & Replace:**

10,000 - 50,000 Gallons

3 - 6 Months



**STAGE 3**  
COCONUT CARBON

**Micron Rating: 5**

**Removes:**

Chlorine, Chloramines, VOC's, Pesticides, QACs, QUATs, MPS (Microplastics), PFOA, PFAS

**How:**

Coconut Carbon filtration is proven to effectively remove the above contaminants. Contaminants stick to the immense, highly porous surface area of the carbon granules.

**Lifespan & Replace:**

10,000 - 30,000 Gallons

3 - 6 Months



**STAGE 4**  
RESIN / ION

**Micron Rating: N/A**

**Removes:**

Calcium, Magnesium, Heavy Metals

**How:**

The Ion Exchange Resin removes hardness causing ions by replacing them with hydrogen ions preventing scale build up and residue.

**Lifespan & Replace:**

30,000 Gallons

6 Months



**STAGE 5**  
UV

**Micron Rating: N/A**

**Removes:**

E-coli, Coliform, Noro, Salmonella, Giardia, Hepatitis, 1-4 Dioxane, Algae and Cryptosporidium

**How:**

UV light passes through the quartz sleeve contained in a stainless steel body. It mutates and degrades the DNA, rendering the micro-organism useless and unable to perform.

**Lifespan & Replace:**

Not represented in gallons

12 Months

# WHAT ARE OTHER CONFIGURATIONS FOR UNCOMMON CONTAMINANTS...?

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## LEAD, COPPER, IRON FILTRATION

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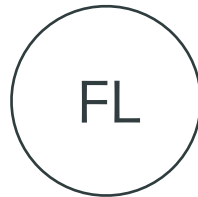
**For most city water applications, heavy metals are not usually found. For homes that are on well water, this could be present and cause certain issues in your home and pipes.**

For the majority of customers, the standard configuration provides the best line of defense for your home. But there are times where certain types of filters are needed to handle the contaminants in your water. This is the beauty in our design. Your water might be specific to your home. With a simple test, we can see what is present in your water and what filters will give you the cleanest water. As you've noticed, there are different types of carbon filters. Each one has its own list of items it removes. In water with heavy metals, KDF Carbon filters are more effective at removing lead, copper and iron. We have multiple options for almost any type of scenario your home needs.



## FLUORIDE STILL PRESENT?

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**While a lot of counties have stopped adding fluoride to the water, it could still be present.**

The EPA acceptable standard is <4ppm (Parts Per Million). To help explain that, for every one million particles, four particles can be present. The majority of districts measure at 0.7ppm, almost immeasurable. If you have certain medical conditions where fluoride needs to be zero, a Bone Char Filter would be set in your configuration to remove 100%.

# OPTIONAL FILTERS

(Alternate Filter Options for Other Contaminants)

*Water Filter Options for Customized Configuration*



**Micron Rating:** 5

**Removes:**

Lead, Mercury, Chromium, Nickel, Iron and Hydrogen Sulfide.

**How:**

A KDF filter comes in 2 different types, 55 and 85. For standard heavy metals, KDF55 is used. For well water KDF85 filters are better at removing the metals.

**Lifespan & Replace:**

20,000 - 30,000 Gallons

6 - 12 Months

**Micron Rating:** 5

**Removes:**

VOC's, Geosmin, 2-MIB, Pharmaceuticals, Industrial Chemicals and PFOA/PFOS

**How:**

Powdered Activated Carbon is effective in removing the above contaminants. It's also helpful in raising pH levels in well water where alkalinity and water is more acidic.

**Lifespan & Replace:**

10,000 - 12,000 Gallons

3 - 6 Months

**Micron Rating:** 5

**Removes:**

Limescale, Calcium, Magnesium, Iron

**How:**

Polyphosphate Sediment filters are designed as a salt-free alternative. It helps prevent limescale and build up in plumbing and appliances.

**Lifespan & Replace:**

10,000 - 30,000 Gallons

4 - 6 Months

**Micron Rating:** N/A

**Removes:**

Calcium, Iron, Manganese, Barium, Heavy Metals and Magnesium

**How:**

Cat-ion Resin removes positively charged ions and replaces them with Hydrogen ions. This filter also is available in two additional options (SAC & WAC - Strong Acid & Weak Acid).

**Lifespan & Replace:**

3,000 - 10,000 Gallons

3 - 6 Months

**Micron Rating:** N/A

**Removes:**

Fluoride, Arsenic and Heavy Metals

**How:**

For households that need fluoride completely removed, Bone Char Carbon filters are extremely efficient in removing 100% of the contaminant. This filter is designed to be followed by a coconut carbon filter for better taste quality.

**Lifespan & Replace:**

1,000 - 5,000 Gallons

3 - 6 Months

# KNOWLEDGE IS POWER AND PROVIDES CONTINUOUS SOLUTIONS

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## NON-STOP RESEARCH PROVIDES BETTER RESULTS

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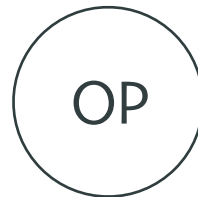
**We've spent countless hours and research and testing to provide the best filtration options for you and your family.**

With 100+ systems installed throughout North Carolina, we are consistently performing filter changes and analyzing what's in the water. This allows us to see patterns and habits of each water district. No filtration system is a one size fits all. This is why each area gets custom filter configurations to deliver the best possible water to your home. Your family, pets and health matter to us.



## WHY WE DO WHAT WE DO

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**Your peace of mind is our continuous goal.**

In the world of water, things are constantly changing. This is why we've designed the system to work the way it does. As more water issues come up, our system is adaptable and changeable allowing for the latest technology in filtration to be used in a single filter change. With companies like Chemours and Duke Energy continuing to pollute our rivers and waterways, it's a constant challenge to create clean water. But this is where PureCore shines! We do the research and keep up on the issues so you don't have to. We're also not a big corporation. We are your neighbor. We go to the same beaches and eat at the same restaurants. Our reputation is purely word of mouth. With PureCore, you get local one on one service.



YOUR PEACE OF MIND IS OUR GOAL

99.9% PURE

PureCore NC