



# Residential Filtration **Application Guide**



selling concepts



product information



application guide



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# Water Heater Filtration System for Sediment & Scale Reduction *For Tank and Tankless Water Heaters*

**The most advanced filtration and scale reduction  
media available**

**Meets water heaters' manufacturer's warranty  
requirements for sediment and scale reduction**

- Protects against hardness build-up and corrosion on the inside of your heating system
- Filter cartridge and housing are NSF/ANSI certified for performance and water contact surfaces
- Extends the life of your water heating unit while reducing expensive operating and service costs
- 12 month affordable filter change-out



Part #: ZC1381427



ScaleArmor media is certified by NSF International against NSF/ANSI/CAN 60 Drinking Water Treatment Chemicals - Health Effects.



A range of housings is certified by IAPMO R&T to NSF/ANSI 42 - Material Safety and Structural Integrity only, 61, 372 - lead free, CSA B483.1.

IAPMO - International Association of Plumbing and Mechanical Officials  
To understand more, visit our website at [atlasfiltri.com](http://atlasfiltri.com)



**SCALEARMOR™**  
Certified Scale Reduction Technology  
from Atlas Filtri North America



# Under-counter Filtration System for Bottle-quality Water

**Designed to handle all your cooking and drinking water needs including coffee and tea**

**Enhances your food and beverage presentation to provide more distinct flavor base**

**Reduces chemicals and contaminants commonly found in drinking water**

- Reduces sediment and harmful chemicals like chlorine, herbicides, pesticides, detergents, THM's, pharmaceuticals, and many other chemicals that can be found in drinking water
- Attaches to the cold water side of your kitchen faucet
- Can be plumbed to provide filtered water to your refrigerator, hot water dispenser, and under-counter ice machines
- Run your entire kitchen off this system for up to 12 months, eliminating the need for the refrigerator filter



Part #: ZC111T618



CB-AF series is tested and certified by NSF International against NSF/ANSI Standard 42 for materials requirements only.



A range of housings is certified by IAPMO R&T to NSF/ANSI 42 - Material Safety and Structural Integrity only, 61, 372 - lead free, CSA B483.1. In compliance with Drinking Water Treatment Units regulations, USA and Canada

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# Reverse Osmosis Drinking Water System for Bottle-quality Water

**Designed to handle all your cooking and drinking water needs**

**Provides purified water for the reduction of dissolved solids in water - PFOA & PFOS and Micro Plastics**

- Up to 98% reduction of total dissolved solids in the water like fluoride, PFAS, arsenic, pharmaceuticals, nitrates, petroleum products, iron, heavy metals, disinfectants, and other contaminants
- The exclusive mineral cartridge provides bottle-quality drinking water with no bitter taste
- Connects to your refrigerator and under-counter ice machine for improved quality and flavor of water
- Provide purified water to your entire kitchen and enjoy fresh, great tasting water



TW30-1812-50HR elements have been tested and certified by NSF International against NSF/ANSI Standard 58 for material requirements



CB-AF series is tested and certified by NSF International against NSF/ANSI Standard 42 for materials requirements only.



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Part #: RE6075310

# Hydra Self-cleaning Filter for the Heavy Sediment Reduction *Self-cleaning Backwash System*

**The most advanced pre-filtration sediment reduction filter system available**

**Flushes easily with our patented design**

- Features a self-cleaning backwash system that efficiently flushes small granules and particles from the surface of the filter to the drain
- Keeps dishwashers, washing machines, refrigerators, pumps and valves in good working order
- Stops aerators from accumulating sediment at the faucet and reducing flow



Part #: RA6000041



A range of housings is certified by IAPMO R&T to NSF/ANSI 42 - Material Safety and Structural Integrity only, 61, 372 - lead free, CSA B483.1.

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# Whole House Water Filtration System for Scale & Sediment Reduction

**Protects appliances like dishwashers, washing machines, and water heaters, as well as pipes and faucets from scale and sediment build-up**

**Keeps showers, bathtubs, glasses, and dishes spot-free and prevents soap residue from building up in showers**

**Meets manufacturer's warranty requirements for appliances for sediment and scale reduction**

- Reduces sediment, corrosion, and scale build-up throughout the entire house
- ScaleArmor™ media is certified under IAPMO Standard Z601 for scale reduction
- Filter cartridge and housing are NSF/ANSI certified for performance and water contact surfaces
- Extends the life of your appliances, reducing expensive operating and service costs
- 12 month affordable filter change-out



Part #: ZC1700749



ScaleArmor™ media is certified by IAPMO R&T against IAPMO Z601 for material safety requirement.



ScaleArmor media is certified by NSF International against NSF/ANSI/CAN 60 Drinking Water Treatment Chemicals - Health Effects.



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**SCALEARMOR™**  
Certified Scale Reduction Technology  
from Atlas Filtri North America

# Whole House Water Filtration System for Scale, Chemical & Sediment Reduction

**Provides bottle-quality water throughout the entire house**

**Protects appliances like dishwashers, washing machines, and water heaters, as well as pipes and faucets from scale and sediment build-up**

**Keeps showers, bathtubs, glasses, and dishes spot-free and prevents soap residue from building up in showers**

**Meets appliances' manufacturer's warranty requirements for sediment and scale reduction**

- Reduces sediment, corrosion, and scale build-up
- ScaleArmor™ media is certified under IAPMO Standard Z601 for scale reduction
- Filter cartridge and housing are NSF/ANSI certified for performance and water contact surfaces
- Extends the life of your appliances, reducing expensive operating and service costs
- 12 month affordable filter change-out



Part #: ZC1802746



ScaleArmor™ media is certified by IAPMO R&T against IAPMO Z601 for material safety requirement.



CB-AF series is tested and certified by NSF International against NSF/ANSI Standard 42 for materials requirements only.



ScaleArmor media is certified by NSF International against NSF/ANSI/CAN 60 Drinking Water Treatment Chemicals - Health Effects.

NSF/ANSI/CAN 60



A range of housings is certified by IAPMO R&T to NSF/ANSI 42 - Material Safety and Structural Integrity only, 61, 372 - lead free, CSA B483.1.

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Certified Scale Reduction Technology  
from Atlas Filtri North America



# Whole House Water Filtration System for the Reduction of “Forever Chemicals”

**Reduces PFAS in water which can be linked to the following health effects: cancer, heart attacks, strokes, decreased fertility, and kidney diseases**

**Install at point-of-entry for cleaner, healthier water throughout your entire house**

- Reduces PFOA/PFOS, cysts, chemicals, VOC's, chlorine taste & odor, and sediment
- Filter cartridge and housing are NSF/ANSI 53 certified for PFOA/PFOS reduction claim
- Extends the life of your appliances, reducing expensive operating and service costs
- 12 month affordable filter change-out



Part #: ZC1803764



ScaleArmor™ media is certified by IAPMO R&T against IAPMO Z601 for material safety requirement.



ScaleArmor media is certified by NSF International against NSF/ANSI/CAN 60 Drinking Water Treatment Chemicals - Health Effects.



Certified by IAPMO R&T against NSF/ANSI 53 for PFOA/PFOS reduction claim.

IAPMO - International Association of Plumbing and Mechanical Officials  
To understand more, visit our website at [atlasfiltri.com](https://atlasfiltri.com)



**PFASARMOR™**  
Certified PFAS Reduction Technology  
from Atlas Filtri North America



**SCALEARMOR™**  
Certified Scale Reduction Technology  
from Atlas Filtri North America

**DP10DUO** BOX



**HYDRA** BOX



**PLUS3P10** BOX



**DP20MONO** BOX



**TANKLESSWATER HEATERKIT** BOX



# ADDITIONAL PRODUCTS

## LEGEND ICONS

Chemicals



Chlorine



Cysts



Lead



Scale



Sediment



Taste & Odor



VOCs



### UNDER COUNTER

DRINKING WATER SYSTEM:  
ZC111T619, ZC111T608

Connects to under counter hot water, ice machines, and refrigerator water lines.

REMOVES:  
LEAD/SEDIMENT/CYSTS/CHLORINE TASTE & ODOR  
**0.5 Micron**

CARTRIDGE INCLUDED



### UNDER COUNTER

DRINKING WATER SYSTEM:  
ZC1350227, ZC1350327

Connects to under counter hot water, ice machines, and refrigerator water lines.

REMOVES:  
CHLORINE TASTE & ODOR  
**5 Micron**

CARTRIDGE INCLUDED



### COMMERCIAL ICE MACHINE

FILTRATION SYSTEM:  
ZC116T426

Connects to ice machines to protect scale build-up on pipes & provide better-tasting ice.

REMOVES:  
SEDIMENT/SCALE/CHLORINE TASTE & ODOR  
**5 Micron**

CARTRIDGES INCLUDED



### SANIC REVERSE OSMOSIS

DRINKING WATER SYSTEM:  
SE6075310

Antimicrobial, disinfectant system that connects to your refrigerator & under-counter ice machine.

REMOVES:  
FLUORIDE/PFAS/ARSENIC/PHARMACEUTICALS/  
IRON/SEDIMENT/CHLORINE TASTE & ODOR  
**5 Micron**

CARTRIDGES INCLUDED



### ULTRAVIOLET STERILIZATION

WHOLE HOUSE UNIT:  
ZC-UV-15-2020-SA-CT

Provides clean, clear drinking water for bacteriologically contaminated water sources.

REMOVES:  
BACTERIA/SEDIMENT/SCALE/CHLORINE TASTE & ODOR  
**5 Micron**

CARTRIDGES INCLUDED





### WHOLE HOUSE BAG FILTER SYSTEM: ZW1801746

*Connects at the point-of-entry for heavy sediment applications.*

REMOVES:  
FINE SEDIMENT/COURSE SEDIMENT  
**1, 5, 25, and 50 Micron Bag Filters**

**BAG NOT INCLUDED**



### BACKWASH FILTRATION SYSTEMS:

BW-CAT-1MPT-08, BW-CAT-1MPT-10,  
BW-CAT-1.25MPT-12, BW-AS-1MPT-08,  
BW-AS-1MPT-10, BW-AS-1.25MPT-12, BW-  
IRON-1MPT-08, BW-IRON-OZO-1MPT-08

*Connects at the point-of-entry for light commercial and whole house applications.*

BACKWASH APPLICATIONS:  
CHLORAMINE/ARSENIC/IRON



### WHOLE HOUSE FILTRATION SYSTEM: ZC1803733

*Connects at the point-of-entry for lead & scale control throughout entire house.*

REMOVES:  
LEAD/SEDIMENT/SCALE/CHEMICALS/  
CHLORINE TASTE & ODOR  
**5 Micron**

**CARTRIDGES INCLUDED**



### WHOLE HOUSE FILTRATION SYSTEM: ZC1703621L

*Connects at the point-of-entry for scale & corrosion control throughout entire house.*

REMOVES:  
SEDIMENT/SCALE/CHEMICALS/CHLORINE  
TASTE & ODOR  
**5 Micron**

**CARTRIDGES INCLUDED**



### WHOLE HOUSE FILTRATION SYSTEM: ZC1800750












*The only IAPMO Z601 scale reduction solution in the market!*

REMOVES:  
SCALE  
**4 lbs ScaleArmor™**

**CARTRIDGE INCLUDED**














# WATER TREATMENT APPLICATION GUIDE

Defined Aspects			Point-Of-Use Solution			
Issue	Cause	Treatment	Part #	Type	Performance	Photo
<b>Aluminum</b>	In soil and rock, and can be leached into water supply	Reverse Osmosis	<b>RE6075310</b>	Reverse Osmosis	• 50 GPD Complete RO system	
<b>Arsenic</b>	A naturally occurring element in soil and rock. As groundwater flows through these materials, some of the arsenic dissolves into the water	Reverse Osmosis / Whole House Arsenic Reduction Backwash Filtration System	<b>RE6075310</b>	Reverse Osmosis	• 50 GPD Complete RO system	
<b>Bacteria</b>	Bacteria can enter wells through cracks in the casing or a damaged cap, or from surface water, animal waste, or faulty septic systems	Reverse Osmosis and Ultra Violet Sterilization	<b>SE6075310-UV</b>	Reverse Osmosis	• 50 GPD Complete RO system • Sanic Anti-Microbial • Ultra Violet Sterilization Unit	
<b>Barium</b>	Barium is a metal that occurs naturally in certain types of igneous and sedimentary rocks. Barium can enter the groundwater and well water when rocks that contain barium break down and dissolve	Reverse Osmosis	<b>RE6075310</b>	Reverse Osmosis	• 50 GPD Complete RO system	
<b>Bitter</b>	High Alkalinity	Reverse Osmosis / Chemical Feed Peristaltic Pump for Acid Release	<b>RE6075310</b>	Reverse Osmosis	• 50 GPD Complete RO system	
<b>Brownish Appearance</b>	Iron Bacteria	Chlorine Injection into Well / Whole House Sediment, Scale, and Carbon Filtration System		Shock chlorination		
<b>Cadmium</b>	Higher levels of cadmium in water can result from the use and disposal of items containing cadmium	Reverse Osmosis / Whole House Iron Reduction Backwash Filtration System	<b>RE6075310</b>	Reverse Osmosis	• 50 GPD Complete RO system	
<b>Calcium (Scale)</b>	Calcium and magnesium enter the water mainly by leaching of rocks. Most calcium in surface waters come from streams flowing over limestone, dolomite, gypsum, and other calcium-containing rocks and minerals	Reverse Osmosis / Whole House Iron Reduction Backwash Filtration System	<b>RE6075310</b>	Reverse Osmosis	• 50 GPD Complete RO system	
<b>Chemicals</b>	Taste and Odor Issue	Carbon Block Catalytic Coconut Shell Carbon Filter / Whole House Carbon Block Filtration System / Carbon GAC Mix Bed Whole House Filtration System	<b>ZC111T618</b>	Under Counter Sediment and Carbon Block Filter System - CTO 5-micron	• 2 GPM @ 12,000 gallons life • Low Pressure Drop • Carbon Block Filter • Under Counter System	
<b>Chloramines</b>	Chloramines are formed when chlorine and ammonia are combined in water and comprise three chemical species: monochloramine (NH <sub>2</sub> Cl), dichloramine (NHCl <sub>2</sub> ) and trichloramine (NCl <sub>3</sub> )	Carbon Block Catalytic Coconut Shell Carbon Filter / Whole House Carbon Block Filtration System / Carbon GAC Mix Bed Whole House Filtration System	<b>ZC111T618</b>	Under Counter Sediment and Carbon Block Filter System - CTO 5-micron	• 2 GPM @ 12,000 gallons life • Low Pressure Drop • Carbon Block Filter • Under Counter System	
<b>Chlorine</b>	Chlorine is added to the water supply to disinfect and create a bacteriostatic effect, stopping bacteria growth or killing it	Carbon Block Catalytic Coconut Shell Carbon Filter / Whole House Carbon Block Filtration System / Carbon GAC Mix Bed Whole House Filtration System	<b>ZC111T618</b>	Under Counter Sediment and Carbon Block Filter System - CTO 5-micron	• 2 GPM @ 12,000 gallons life • Low Pressure Drop • Carbon Block Filter • Under Counter System	







Point-Of-Entry Solution				Point-Of-Entry Solution (Option)			
Part #	Type	Performance	Photo	Part #	Type	Performance	Photo
	Cation exchange but hydrochloric acid or sulfuric acid must be used to regenerate						
<b>BW-AS-1MPT-08</b> <b>BW-AS-1MPT-10</b> <b>BW-AS-1.25MPT-12</b>	Effectively reduces Arsenic III and V as well as lead, cadmium, copper, chromium+6, selenium, and zinc	<ul style="list-style-type: none"> <li>• 8-GPM to Regeneration</li> <li>• 10-GPM to Regeneration</li> <li>• 12-GPM to Regeneration</li> </ul>					
<b>ZC-UV-15-2020-SA-CT</b>	Designed for point-of-entry applications for bacteriologically contaminated water	<ul style="list-style-type: none"> <li>• Bacteria reduction up to 15 GPM</li> </ul>					
	Use Chemical Feed Pump for acid release						
	Shock chlorination						
<b>BW-IRON-1MPT-08</b>	Effectively Reduces Iron, Manganese Hydrogen Sulfide Reduction	<ul style="list-style-type: none"> <li>• 8-GPM Max Levels</li> <li>• Iron 10-PPM</li> <li>• Manganese 3-PPM</li> <li>• Hydrogen Sulfide 3-PPM</li> </ul>					
<b>ZC1700749</b>	Melt Blown Sediment Filter 5-micron Cartridge ScaleArmor™ Scale Reduction Technology	<ul style="list-style-type: none"> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 12-Month Expected Life</li> </ul>		<b>ZC1802746</b>	Sediment 5-micron Carbon Block 5-micron ScaleArmor™ & Corrosion Heavy Corrosion Protection	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 250 PPM of Chlorides, Sulfates or Silica</li> <li>• 12-Month Expected Life</li> </ul>	
<b>ZC1802746</b>	Sediment 5-micron Carbon Block 5-micron ScaleArmor™ & Corrosion Heavy Corrosion Protection	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 250 PPM of Chlorides, Sulfates or Silica</li> <li>• 12-Month Expected Life</li> </ul>		<b>BW-CAT-1MPT-08</b> <b>BW-CAT-1MPT-10</b> <b>BW-CAT-1.25MPT-11</b>	Blended Carbon for CTO and Chloramine Disinfectant Reduction - Autbackwash Design	<ul style="list-style-type: none"> <li>• 8-GPM to Regeneration</li> <li>• 10-GPM to Regeneration</li> <li>• 12-GPM to Regeneration</li> </ul>	
<b>ZC1802746</b>	Sediment 5-micron Carbon Block 5-micron ScaleArmor™ & Corrosion Heavy Corrosion Protection	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 250 PPM of Chlorides, Sulfates or Silica</li> <li>• 12-Month Expected Life</li> </ul>		<b>BW-CAT-1MPT-08</b> <b>BW-CAT-1MPT-10</b> <b>BW-CAT-1.25MPT-9</b>	Blended Carbon for CTO and Chloramine Disinfectant Reduction - Autbackwash Design	<ul style="list-style-type: none"> <li>• 8-GPM to Regeneration</li> <li>• 10-GPM to Regeneration</li> <li>• 12-GPM to Regeneration</li> </ul>	
<b>ZC1802746</b>	Sediment 5-micron Carbon Block 5-micron ScaleArmor™ & Corrosion Heavy Corrosion Protection	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 250 PPM of Chlorides, Sulfates or Silica</li> <li>• 12-Month Expected Life</li> </ul>		<b>BW-CAT-1MPT-08</b> <b>BW-CAT-1MPT-10</b> <b>BW-CAT-1.25MPT-12</b>	Blended Carbon for CTO and Chloramine Disinfectant Reduction - Autbackwash Design	<ul style="list-style-type: none"> <li>• 8-GPM to Regeneration</li> <li>• 10-GPM to Regeneration</li> <li>• 12-GPM to Regeneration</li> </ul>	











# WATER TREATMENT APPLICATION GUIDE CONT.

Defined Aspects			Point-Of-Use Solution			
Issue	Cause	Treatment	Part #	Type	Performance	Photo
<b>Chlorine Taste &amp; Odor</b>	Taste and Odor Issue	Carbon Block Catalytic Coconut Shell Carbon Filter / Whole House Carbon Block Filtration System / Carbon GAC Mix Bed Whole House Filtration System	<b>ZC111T618</b>	Under Counter Sediment and Carbon Block Filter System - CTO 5-micron	<ul style="list-style-type: none"> <li>• 2 GPM @ 12,000 gallons life</li> <li>• Low Pressure Drop</li> <li>• Carbon Block Filter</li> <li>• Under Counter System</li> </ul>	
<b>Chromium</b>	There are demonstrated instances of chromium being released to the environment by leakage, poor storage, or inadequate industrial waste disposal practices	Reverse Osmosis / Sediment, Carbon, Scale / Whole House Iron Reduction Backwash Filtration System	<b>RE6075310</b>	Reverse Osmosis	<ul style="list-style-type: none"> <li>• 50 GPD Complete RO system</li> </ul>	
<b>Cloudiness in Water</b>	Oxygen in Water as Warm Air Bubbles Rise	Whole House Sediment, Scale and Carbon Filtration System	<b>ZC111T618</b>	Under Counter Sediment and Carbon Block Filter System - CTO 5-micron	<ul style="list-style-type: none"> <li>• 2 GPM @ 12,000 gallons life</li> <li>• Low Pressure Drop</li> <li>• Carbon Block Filter</li> <li>• Under Counter System</li> </ul>	
<b>Copper</b>	Copper is a metal that occurs naturally and is used to make many products, including parts for plumbing systems	Reverse Osmosis / Whole House Arsenic Reduction Backwash Filtration System	<b>RE6075310</b>	Reverse Osmosis	<ul style="list-style-type: none"> <li>• 50 GPD Complete RO system</li> </ul>	
<b>Detergent</b>	Detergents can seep into water supplies through typical drainage systems including wells. It is important to locate the source of the problem and fix the intrusion	Carbon Block Catalytic Coconut Shell Carbon Filter / Whole House Carbon Block Filtration System / Carbon GAC Mix Bed Whole House Filtration System	<b>ZC111T618</b>	Under Counter Sediment and Carbon Block Filter System - CTO 5-micron	<ul style="list-style-type: none"> <li>• 2 GPM @ 12,000 gallons life</li> <li>• Low Pressure Drop</li> <li>• Carbon Block Filter</li> <li>• Under Counter System</li> </ul>	
<b>Detergents/ Soapy</b>	Run-off / Septic	Carbon Block Catalytic Coconut Shell Carbon Filter / Whole House Carbon Block Filtration System / Carbon GAC Mix Bed Whole House Filtration System	<b>ZC111T618</b>	Under Counter Sediment and Carbon Block Filter System - CTO 5-micron	<ul style="list-style-type: none"> <li>• 2 GPM @ 12,000 gallons life</li> <li>• Low Pressure Drop</li> <li>• Carbon Block Filter</li> <li>• Under Counter System</li> </ul>	
<b>Dirt / Clay</b>	Naturally Occurring	Carbon Block Coconut Shell Filter / Point of Entry Whole House Sediment Filter / Bag Filtration	<b>ZC111T618</b>	Under Counter Sediment and Carbon Block Filter System - CTO 5-micron	<ul style="list-style-type: none"> <li>• 2 GPM @ 12,000 gallons life</li> <li>• Low Pressure Drop</li> <li>• Carbon Block Filter</li> <li>• Under Counter System</li> </ul>	
<b>Fine Sediment Brown Substance</b>	Light Brown Sanding Color Left In Sink or Tub	Point of Entry / Bag Filtration (1 Micron)				
<b>Fluoride</b>	Some areas of the country have high levels of naturally occurring fluoride which can dissolve easily into ground water as it moves through gaps and pore spaces between rocks	Reverse Osmosis	<b>RE6075310</b>	Reverse Osmosis	<ul style="list-style-type: none"> <li>• 50 GPD Complete RO system</li> </ul>	
<b>Gas / Methane</b>	Naturally Occurring	Point of Entry Solution		Methane-Gas Aerator		

Point-Of-Entry Solution				Point-Of-Entry Solution (Option)			
Part #	Type	Performance	Photo	Part #	Type	Performance	Photo
<b>ZC1802746</b>	Sediment 5-micron Carbon Block 5-micron ScaleArmor™ & Corrosion Heavy Corrosion Protection	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 250 PPM of Chlorides, Sulfates or Silica</li> <li>• 12-Month Expected Life</li> </ul>		<b>BW-CAT-1MPT-08</b> <b>BW-CAT-1MPT-10</b> <b>BW-CAT-1.25MPT-10</b>	Blended Carbon for CTO and Chloramine Disinfectant Reduction - Autbackwash Design	<ul style="list-style-type: none"> <li>• 8-GPM to Regeneration</li> <li>• 10-GPM to Regeneration</li> <li>• 12-GPM to Regeneration</li> </ul>	
<b>ZC1802746</b>	Sediment 5-micron Carbon Block 5-micron ScaleArmor™ & Corrosion Heavy Corrosion Protection	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 250 PPM of Chlorides, Sulfates or Silica</li> <li>• 12-Month Expected Life</li> </ul>		<b>BW-CAT-1MPT-08</b> <b>BW-CAT-1MPT-10</b> <b>BW-CAT-1.25MPT-10</b>	Blended Carbon for CTO and Chloramine Disinfectant Reduction - Autbackwash Design	<ul style="list-style-type: none"> <li>• 8-GPM to Regeneration</li> <li>• 10-GPM to Regeneration</li> <li>• 12-GPM to Regeneration</li> </ul>	
<b>ZC1802746</b>	Sediment 5-micron Carbon Block 5-micron ScaleArmor™ & Corrosion Heavy Corrosion Protection	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 250 PPM of Chlorides, Sulfates or Silica</li> <li>• 12-Month Expected Life</li> </ul>		<b>BW-CAT-1MPT-08</b> <b>BW-CAT-1MPT-10</b> <b>BW-CAT-1.25MPT-12</b>	Blended Carbon for CTO and Chloramine Disinfectant Reduction - Autbackwash Design	<ul style="list-style-type: none"> <li>• 8-GPM to Regeneration</li> <li>• 10-GPM to Regeneration</li> <li>• 12-GPM to Regeneration</li> </ul>	
<b>BW-AS-1MPT-08</b> <b>BW-AS-1MPT-10</b> <b>BW-AS-1.25MPT-12</b>	Effectively reduces Arsenic III and V as well as lead, cadmium, copper, chromium+6, selenium, and zinc	<ul style="list-style-type: none"> <li>• 8-GPM to Regeneration</li> <li>• 10-GPM to Regeneration</li> <li>• 12-GPM to Regeneration</li> </ul>					
<b>ZC1802746</b>	Sediment 5-micron Carbon Block 5-micron ScaleArmor™ & Corrosion Heavy Corrosion Protection	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 250 PPM of Chlorides, Sulfates or Silica</li> <li>• 12-Month Expected Life</li> </ul>					
<b>ZC1802746</b>	Sediment 5-micron Carbon Block 5-micron ScaleArmor™ & Corrosion Heavy Corrosion Protection	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 250 PPM of Chlorides, Sulfates or Silica</li> <li>• 12-Month Expected Life</li> </ul>		<b>BW-CAT-1MPT-08</b> <b>BW-CAT-1MPT-10</b> <b>BW-CAT-1.25MPT-12</b>	Blended Carbon for CTO and Chloramine Disinfectant Reduction - Autbackwash Design	<ul style="list-style-type: none"> <li>• 8-GPM to Regeneration</li> <li>• 10-GPM to Regeneration</li> <li>• 12-GPM to Regeneration</li> </ul>	
<b>RA6000040</b>	Stainless Steel Self-Cleaning Filter	<ul style="list-style-type: none"> <li>• 30-GPM Max Flow</li> <li>• +12-Month Expected Life</li> </ul>		<b>ZW1801746</b> <b>RA7707185</b> <b>RA7707186</b> <b>RA7707187</b>	Bag Filter Basket & Housing Filter Cartridge Washable Filter Cartridge Washable Filter Cartridge Washable	<ul style="list-style-type: none"> <li>• 15-GPM</li> <li>• 1-Micron Filter</li> <li>• 5-Micron Filter</li> <li>• 50-Micron Filter</li> </ul>	
<b>ZW1801746</b> <b>RA7707185</b>	Bag Filter Basket & Housing Filter Cartridge Washable	<ul style="list-style-type: none"> <li>• 15-GPM</li> <li>• 1-Micron Filter</li> </ul>		<b>RA7707185</b>			
	Whole House Bone Char						

# WATER TREATMENT APPLICATION GUIDE CONT.

Defined Aspects			Point-Of-Use Solution			
Issue	Cause	Treatment	Part #	Type	Performance	Photo
<b>Gases</b>	Vary and are usually naturally occurring	Depends upon type of gas for system used / Venting - Aeration				
<b>Gray Fiber Stringy</b>	Algae Bloom	Depends upon the type and amount	<b>RE6075310</b>	Reverse Osmosis	• 50 GPD Complete RO system	
<b>Green or Blue / Green Stains</b>	High Carbon Dioxide Level	Neutralizing calcite / Soda Ash / Reverse Osmosis	<b>RE6075310</b>	Reverse Osmosis	• 50 GPD Complete RO system	
<b>Heavy Sediment Protection</b>	Protects all appliances, pump and valves from sediment issues	Sediment Filtration	<b>RA6000040</b>	High Flow Stainless Steel Self-Cleaning Filter	• 30-GPM Max Flow • +12-Month Expected Life	
<b>Herbicides</b>	Pesticides may contaminate water sources as a result of runoff, wastewater discharges, and return flow from agricultural and irrigated areas	Carbon Block Catalytic Coconut Shell Carbon Filter / Whole House Carbon Block Filtration System / Carbon GAC Mix Bed Whole House Filtration System	<b>ZC111T618</b>	Under Counter Sediment and Carbon Block Filter System - CTO 5-micron	• 2 GPM @ 12,000 gallons life • Low Pressure Drop • Carbon Block Filter • Under Counter System	
<b>Iron</b>	Rainwater as it infiltrates the soil and underlying geologic formations dissolves iron, causing it to seep into aquifers that serve as sources of groundwater for wells	Whole House Iron Backwash Filtration System				
<b>Iron Bacteria</b>	Iron-rich fill material or bedrock can create an iron bacteria problem whenever it is located near water. In general, wherever there is oxygen, water and iron there is the potential for an iron bacteria problem	Apply Shock to the well / Chlorine Injection				
<b>Large Sediment</b>	Intrusion into Pipe	Carbon Block Coconut Shell Filter Sediment Filtration 90-micron	<b>ZC111T618</b>	Under Counter Sediment and Carbon Block Filter System - CTO 5-micron	• 2 GPM @ 12,000 gallons life • Low Pressure Drop • Carbon Block Filter • Under Counter System	
<b>Lead</b>	The most common sources of lead in drinking water are lead pipes, faucets, and plumbing fixtures	Carbon Block Catalytic Coconut Shell Carbon Filter / Whole House Carbon Block Filtration System / Carbon GAC Mix Bed Whole House Filtration System	<b>ZC111T619</b>	Under Counter Sediment and Carbon Block Filter System - CTO & LEAD 0.5-micron	• 0.75 GPM @ 2,500 gallons life • Low Pressure Drop • Lead Carbon Block Filter • Under Counter System	












Point-Of-Entry Solution				Point-Of-Entry Solution (Option)			
Part #	Type	Performance	Photo	Part #	Type	Performance	Photo
	Depends upon type of gas for system used / Venting - Aeration						
<b>ZW1801746</b> <b>RA7707185</b>	Bag Filter Basket & Housing Filter Cartridge Washable	<ul style="list-style-type: none"> <li>• 15-GPM</li> <li>• 1-Micron Filter</li> </ul>					
	Chemical Feed Peristaltic Pump using Soda Ash or Calcite Separation						
<b>RA6314030</b>	High Flow Stainless Steel Self-Cleaning Filter	<ul style="list-style-type: none"> <li>• 60-GPM Max Flow</li> <li>• +12-Month Expected Life</li> </ul>		<b>ZW1801746</b> <b>RA7707185</b> <b>RA7707186</b> <b>RA7707187</b>	Bag Filter Basket & Housing Filter Cartridge Washable Filter Cartridge Washable Filter Cartridge Washable	<ul style="list-style-type: none"> <li>• 15-GPM</li> <li>• 1-Micron Filter</li> <li>• 5-Micron Filter</li> <li>• 50-Micron Filter</li> </ul>	
<b>ZC1802746</b>	Sediment 5-micron Carbon Block 5-micron ScaleArmor™ & Corrosion Heavy Corrosion Protection	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 250 PPM of Chlorides, Sulfates or Silica</li> <li>• 12-Month Expected Life</li> </ul>		<b>BW-CAT-1MPT-08</b> <b>BW-CAT-1MPT-10</b> <b>BW-CAT-1.25MPT-12</b>	Blended Carbon for CTO and Chloramine Disinfectant Reduction - Autbackwash Design	<ul style="list-style-type: none"> <li>• 8-GPM to Regeneration</li> <li>• 10-GPM to Regeneration</li> <li>• 12-GPM to Regeneration</li> </ul>	
<b>BW-IRON-1MPT-08</b>	Effectively Reduces Iron Manganese Hydrogen Sulfide Reduction	<ul style="list-style-type: none"> <li>• 8-GPM Max Levels</li> <li>• Iron 10-PPM</li> <li>• Manganese 3-PPM</li> <li>• Hydrogen Sulfide 3-PPM</li> </ul>					
	Apply Shock to the well / Chlorine Injection						
<b>RA6000040</b>	Stainless Steel Self-Cleaning Filter	<ul style="list-style-type: none"> <li>• 30-GPM Max Flow</li> <li>• +12-Month Expected Life</li> </ul>		<b>ZW1801746</b> <b>RA7707185</b> <b>RA7707186</b> <b>RA7707187</b>	Bag Filter Basket & Housing Filter Cartridge Washable Filter Cartridge Washable Filter Cartridge Washable	<ul style="list-style-type: none"> <li>• 15-GPM</li> <li>• 1-Micron Filter</li> <li>• 5-Micron Filter</li> <li>• 50-Micron Filter</li> </ul>	
<b>ZA1802746</b> <b>RE4520P05</b>	Lead & VOC Carbon Block CTO 0.5 Micron	<ul style="list-style-type: none"> <li>• 2.5 GPM @ 60,000 Gallons</li> <li>• 6-Month Expected Life</li> </ul>		<b>BW-AS-1MPT-08</b> <b>BW-AS-1MPT-10</b> <b>BW-AS-1.25MPT-12</b>	Effectively reduces Arsenic III and V as well as lead, cadmium, copper, chromium+6, selenium, and zinc	<ul style="list-style-type: none"> <li>• 8-GPM to Regeneration</li> <li>• 10-GPM to Regeneration</li> <li>• 12-GPM to Regeneration</li> </ul>	





# WATER TREATMENT APPLICATION GUIDE CONT.











Defined Aspects			Point-Of-Use Solution			
Issue	Cause	Treatment	Part #	Type	Performance	Photo
<b>Magnesium (Scale)</b>	Naturally occurring in water as a result of groundwater dissolving magnesium from soils or dolomite rock	Reverse Osmosis / Scale reduction Media - ScaleArmor™	<b>RE6075310</b>	Reverse Osmosis	• 50 GPD Complete RO system	
<b>Manganese</b>	Manganese is a mineral that naturally occurs in rocks, soil, groundwater, surface water, and food and is a normal part of the human diet	Reverse Osmosis / Whole House Manganese Backwash Filter	<b>RE6075310</b>	Reverse Osmosis	• 50 GPD Complete RO system	
<b>Metal Deterioration and Pitting</b>	High Chlorides, Sulfates, and Silicas in Water Supply	Whole House Sediment, Scale and Carbon Filtration System				
<b>Metal or Metallic</b>	High Iron / Low pH / Acidic	Reverse Osmosis / Whole House Iron Reduction Backwash Filtration System	<b>RE6075310</b>	Reverse Osmosis	• 50 GPD Complete RO system	
<b>Musty / Fishy</b>	Algae Present	Reverse Osmosis / Whole House Bag Filtration System	<b>RE6075310</b>	Reverse Osmosis	• 50 GPD Complete RO system	
<b>Nitrite/ Nitrate</b>	Sources of nitrogen and nitrates may include runoff or seepage from fertilized agricultural lands, municipal and industrial waste water, refuse dumps, animal feedlots, septic tanks and private sewage disposal systems, urban drainage and decaying plant debris	Reverse Osmosis	<b>RE6075310</b>	Reverse Osmosis	• 50 GPD Complete RO system	
<b>Oily / Petroleum</b>	In-ground intrusion	Chemical Feed Peristaltic Pump for Petroleum Separation				
<b>Particles</b>	If you have well water, then the particles are likely dirt or sand from your private well. If the pieces are hard and irregularly shaped, they could be rust from the pipes in your home or municipal water mains	Sediment Filtration	<b>ZC111T618</b>	Under Counter Sediment and Carbon Block Filter System - CTO 5-micron	<ul style="list-style-type: none"> <li>• 2 GPM @ 12,000 gallons life</li> <li>• Low Pressure Drop</li> <li>• Carbon Block Filter</li> <li>• Under Counter System</li> </ul>	
<b>Pesticides</b>	Pesticides and fertilizers can enter storm drains, indoor drains, and groundwater through improper disposal and runoff.	Carbon Block Catalytic Coconut Shell Carbon Filter / Whole House Carbon Block Filtration System / Carbon GAC Mix Bed Whole House Filtration System	<b>ZC111T618</b>	Under Counter Sediment and Carbon Block Filter System - CTO 5-micron	<ul style="list-style-type: none"> <li>• 2 GPM @ 12,000 gallons life</li> <li>• Low Pressure Drop</li> <li>• Carbon Block Filter</li> <li>• Under Counter System</li> </ul>	







Point-Of-Entry Solution				Point-Of-Entry Solution (Option)			
Part #	Type	Performance	Photo	Part #	Type	Performance	Photo
<b>ZC1700749</b>	Melt Blown Sediment Filter 5-micron Cartridge ScaleArmor™ Scale Reduction Technology	<ul style="list-style-type: none"> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 12-Month Expected Life</li> </ul>		<b>ZC1802746</b>	Sediment 5-micron Carbon Block 5-micron ScaleArmor™ & Corrosion Heavy Corrosion Protection	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 250 PPM of Chlorides, Sulfates or Silica</li> <li>• 12-Month Expected Life</li> </ul>	
<b>BW-IRON-100-MPT-08</b>	Effectively Reduces Iron Manganese Hydrogen Sulfide Reduction	<ul style="list-style-type: none"> <li>• 8-GPM Max Levels</li> <li>• Iron 10-PPM</li> <li>• Manganese 3-PPM</li> <li>• Hydrogen Sulfide 3-PPM</li> </ul>					
<b>ZC1700749</b>	Melt Blown Sediment Filter 5-micron Cartridge ScaleArmor™ Scale Reduction Technology	<ul style="list-style-type: none"> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 12-Month Expected Life</li> </ul>		<b>ZC1800746</b>	Melt Blown Sediment Filter 5-micron Cartridge ScaleArmor™ Scale Reduction Technology	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 15-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 12-Month Expected Life</li> </ul>	
<b>BW-IRON-100-MPT-08</b>	Effectively Reduces Iron Manganese Hydrogen Sulfide Reduction	<ul style="list-style-type: none"> <li>• 8-GPM Max Levels</li> <li>• Iron 10-PPM</li> <li>• Manganese 3-PPM</li> <li>• Hydrogen Sulfide 3-PPM</li> </ul>					
<b>ZW1801746 RA7707185</b>	Bag Filter Basket & Housing Filter Cartridge Washable	<ul style="list-style-type: none"> <li>• 15-GPM</li> <li>• 1-Micron Filter</li> </ul>					
	Whole House Specialized Media Filtration Backwash Design						
	Chemical Feed Peristaltic Pump for Petroleum Separation						
<b>RA6000040</b>	Stainless Steel Self-Cleaning Filter	<ul style="list-style-type: none"> <li>• 30-GPM Max Flow</li> <li>• +12-Month Expected Life</li> </ul>		<b>ZC1802746</b>	Sediment 5-micron Carbon Block 5-micron ScaleArmor™ & Corrosion Heavy Corrosion Protection	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 250 PPM of Chlorides, Sulfates or Silica</li> <li>• 12-Month Expected Life</li> </ul>	
<b>ZC1802746</b>	Sediment 5-micron Carbon Block 5-micron ScaleArmor™ & Corrosion Heavy Corrosion Protection	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 250 PPM of Chlorides, Sulfates or Silica</li> <li>• 12-Month Expected Life</li> </ul>		<b>BW-CAT-1MPT-08 BW-CAT-1MPT-10 BW-CAT-1.25MPT-12</b>	Blended Carbon for CTO and Chloramine Disinfectant Reduction - Autbackwash Design	<ul style="list-style-type: none"> <li>• 8-GPM to Regeneration</li> <li>• 10-GPM to Regeneration</li> <li>• 12-GPM to Regeneration</li> </ul>	












# WATER TREATMENT APPLICATION GUIDE CONT.

Defined Aspects			Point-Of-Use Solution			
Issue	Cause	Treatment	Part #	Type	Performance	Photo
<b>PFOA/PFOS Forever Chemicals</b>	The four major sources of PFAS are fire training/fire response sites, industrial sites, landfills, and wastewater treatment plants/ bio-solids	Reverse Osmosis / Whole House Specialized Carbon Filtration	<b>RE6075310</b>	Reverse Osmosis	• 50 GPD Complete RO system	
<b>Radium</b>	Radium is a naturally-occurring radioactive element that is present in rocks and soil within the earth's crust	Reverse Osmosis / Ion Exchange Water Softening	<b>RE6075310</b>	Reverse Osmosis	• 50 GPD Complete RO system	
<b>Radon</b>	Radium is a naturally-occurring radioactive element that is present in rocks and soil within the earth's crust	Point of Entry Solution		Methane-Gas Aerator		
<b>Reddish/ Brown Staining on Sink or Cooking</b>	Dissolved Ferris Iron into a Ferric State	Iron <3PPM Whole House Iron System / >3PPM Water Softener for Iron				
<b>Reddish Color</b>	Colloidal Iron	Chlorine Injection into Well / Whole House Sediment, Scale, and Carbon Filtration System				
<b>Rotten Egg</b>	Hot Water Only	Replace Magnesium Rod		See Water Heater Instruction Manual or Contact Wholesaler for OEM Equipment		
<b>Rotten Egg Smell</b>	Cold and Hot Water	Hydrogen Sulfide Reduction System with Iron and Manganese				
<b>Rust</b>	Iron Pipe, Pump or Valve Intrusion	Neutralizing Calcite / Whole House Sediment Filtration (5-micron)				




Point-Of-Entry Solution				Point-Of-Entry Solution (Option)			
Part #	Type	Performance	Photo	Part #	Type	Performance	Photo
<b>ZC1802762</b>	Sediment 1-micron Carbon Block 1-micron PFOA & PFOS Gallon Counter	<ul style="list-style-type: none"> <li>• 10-GPM Max Flow</li> <li>• 60,000 Gallons</li> <li>• 6-Month Expected Life</li> <li>• 70 PPT reduction EPA</li> </ul>		<b>ZC1803762</b>	Sediment 5-micron Carbon Block 1-micron Scale Armor™ & Corrosion Heavy Corrosion Protection PFOA & PFOS Gallon Counter	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 250 PPM of Chlorides, Sulfates or Silica</li> <li>• 12-Month Expected Life</li> <li>• Sediment 5-micron</li> <li>• Carbon Block</li> <li>• 1-micron</li> <li>• Scale Armor™ &amp; Corrosion</li> <li>• Heavy Corrosion Protection</li> <li>• PFOA &amp; PFOS</li> <li>• Gallon Counter</li> </ul>	
	Ion Exchange Water Softening						
<b>ZC1800746</b>	Melt Blown Sediment Filter 5-micron Cartridge ScaleArmor™ Scale Reduction Technology	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 15-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 12-Month Expected Life</li> </ul>		<b>BW-IRON-1MPT-08</b>	Effectively Reduces Iron Manganese Hydrogen Sulfide Reduction	<ul style="list-style-type: none"> <li>• 8-GPM Max Levels</li> <li>• Iron 10-PPM</li> <li>• Manganese 3-PPM</li> <li>• Hydrogen Sulfide 3-PPM</li> </ul>	
<b>ZC1802746</b>	Sediment 5-micron Carbon Block 5-micron ScaleArmor™ & Corrosion Heavy Corrosion Protection	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 250 PPM of Chlorides, Sulfates or Silica</li> <li>• 12-Month Expected Life</li> </ul>		<b>BW-IRON-1MPT-08</b>	Effectively Reduces Iron Manganese Hydrogen Sulfide Reduction	<ul style="list-style-type: none"> <li>• 8-GPM Max Levels</li> <li>• Iron 10-PPM</li> <li>• Manganese 3-PPM</li> <li>• Hydrogen Sulfide 3-PPM</li> </ul>	
<b>ZC1802746</b>	Sediment 5-micron Carbon Block 5-micron ScaleArmor™ & Corrosion Heavy Corrosion Protection	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 250 PPM of Chlorides, Sulfates or Silica</li> <li>• 12-Month Expected Life</li> </ul>		<b>BW-CAT-1MPT-08</b> <b>BW-CAT-1MPT-10</b> <b>BW-CAT-1.25MPT-12</b>	Blended Carbon for CTO and Chloramine Disinfectant Reduction - Autbackwash Design	<ul style="list-style-type: none"> <li>• 8-GPM to Regeneration</li> <li>• 10-GPM to Regeneration</li> <li>• 12-GPM to Regeneration</li> </ul>	
<b>BW-IRON-1MPT-08</b>	Effectively Reduces Iron Manganese Hydrogen Sulfide Reduction	<ul style="list-style-type: none"> <li>• 8-GPM Max Levels</li> <li>• Iron 10-PPM</li> <li>• Manganese 3-PPM</li> <li>• Hydrogen Sulfide 3-PPM</li> </ul>					
<b>ZC1800746</b>	Melt Blown Sediment Filter 5-micron Cartridge ScaleArmor™ Scale Reduction Technology	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 15-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 12-Month Expected Life</li> </ul>		<b>BW-IRON-1MPT-08</b>	Effectively Reduces Iron Manganese Hydrogen Sulfide Reduction	<ul style="list-style-type: none"> <li>• 8-GPM Max Levels</li> <li>• Iron 10-PPM</li> <li>• Manganese 3-PPM</li> <li>• Hydrogen Sulfide 3-PPM</li> </ul>	








# WATER TREATMENT APPLICATION GUIDE CONT.

Defined Aspects			Point-Of-Use Solution			
Issue	Cause	Treatment	Part #	Type	Performance	Photo
<b>Salty</b>	High Sodium Natural	Reverse Osmosis	<b>RE6075310</b>	Reverse Osmosis	• 50 GPD Complete RO system	
<b>Sandy / Heavy Sediment</b>	Naturally Occurring	Sediment Filter Technology / Bag Filtration	<b>ZC111T618</b>	Under Counter Sediment and Carbon Block Filter System - CTO 5-micron	<ul style="list-style-type: none"> <li>• 2 GPM @ 12,000 gallons life</li> <li>• Low Pressure Drop</li> <li>• Carbon Block Filter</li> <li>• Under Counter System</li> </ul>	
<b>Scale Hardness Lime Issue</b>	Calcium and magnesium enter the water mainly by leaching of rocks. Most calcium in surface waters come from streams flowing over limestone, dolomite, gypsum, and other calcium-containing rocks and minerals	Reverse Osmosis / Whole House Iron Reduction Backwash Filtration System	<b>RE6075310</b>	Reverse Osmosis	• 50 GPD Complete RO system	
<b>Selenium</b>	Selenium can be released into water resources by natural sources via weathering and by anthropogenic sources, such as surface mining, coal-fired power plants, and irrigated agriculture	Reverse Osmosis	<b>RE6075310</b>	Reverse Osmosis	• 50 GPD Complete RO system	
<b>Silver</b>	Rain washes silver compounds out of many soils so that it eventually moves into the groundwater	Reverse Osmosis	<b>RE6075310</b>	Reverse Osmosis	• 50 GPD Complete RO system	
<b>Soap Scum / White Chalky Build-Up</b>	High Calcium and Magnesium	Whole House Polyphosphate System / Water Softener				
<b>TDS</b>	Natural sources of TDS include springs, lakes, rivers, plants, and soil	Reverse Osmosis	<b>RE6075310</b>	Reverse Osmosis	• 50 GPD Complete RO system	
<b>Under Sink Drinking and Cooking Water</b>	Provides Bottle Quality Water and Kitchen Faucet Cold Water Side	Sediment, CTO, Chloramine, and Scale Protection	<b>ZC111T619</b>	Under Counter Sediment and Carbon Block Filter System - VOC, CTO & LEAD 0.5-micron	<ul style="list-style-type: none"> <li>• 0.75 GPM @ 2,500 gallons life</li> <li>• Low Pressure Drop</li> <li>• Lead Carbon Block Filter</li> <li>• Under Counter System</li> </ul>	
<b>Vegetation / Wood</b>	Naturally Occurring	Carbon Block Coconut Shell Filter / Reverse Osmosis System / Chlorine & Chloramine mixed bed Carbon Filter System	<b>ZC111T618</b>	Under Counter Sediment / Carbon Block Filter System - CTO 5-micron	<ul style="list-style-type: none"> <li>• 2 GPM @ 12,000 gallons life</li> <li>• Low Pressure Drop</li> <li>• Carbon Block Filter</li> <li>• Under Counter System</li> </ul>	
<b>Viruses</b>	Waterborne diseases are caused by water that is contaminated by human and animal urine and feces that contain pathogenic microorganisms	Filtration and Ultraviolet Sterilization	<b>SE6075310-UV</b>	Reverse Osmosis	<ul style="list-style-type: none"> <li>• 50 GPD Complete RO system</li> <li>• Sanic Anti-Microbial Ultra Violet Sterilization Unit</li> </ul>	

Point-Of-Entry Solution				Point-Of-Entry Solution (Option)			
Part #	Type	Performance	Photo	Part #	Type	Performance	Photo
	Whole House Reverse Osmosis System						
<b>ZA1800746L RE5117511</b>	String Wound Sediment Filter Cartridge 25-micron	<ul style="list-style-type: none"> <li>• 15-GPM Max Flow</li> <li>• 25-Micron Sediment Filter</li> <li>• 12-Month Expected Life</li> </ul>		<b>ZW1801746 RA7707185 RA7707186 RA7707187</b>	Bag Filter Basket & Housing Filter Cartridge Washable Filter Cartridge Washable Filter Cartridge Washable	<ul style="list-style-type: none"> <li>• 15-GPM</li> <li>• 1-Micron Filter</li> <li>• 5-Micron Filter</li> <li>• 50-Micron Filter</li> </ul>	
<b>ZC1700749</b>	Melt Blown Sediment Filter 5-micron Cartridge ScaleArmor™ & Scale Reduction Technology	<ul style="list-style-type: none"> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 12-Month Expected Life</li> </ul>		<b>ZC1802746</b>	Sediment 5-micron Carbon Block 5-micron ScaleArmor™ & Corrosion Heavy Corrosion Protection	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 250 PPM of Chlorides, Sulfates or Silica</li> <li>• 12-Month Expected Life</li> </ul>	
<b>ZC1802746</b>	Sediment 5-micron Carbon Block 5-micron ScaleArmor™ & Corrosion Heavy Corrosion Protection	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 250 PPM of Chlorides, Sulfates or Silica</li> <li>• 12-Month Expected Life</li> </ul>		<b>BW-CAT-1MPT-08 BW-CAT-1MPT-10 BW-CAT-1.25MPT-12</b>	Blended Carbon for CTO and Chloramine Disinfectant Reduction - Autbackwash Design	<ul style="list-style-type: none"> <li>• 8-GPM to Regeneration</li> <li>• 10-GPM to Regeneration</li> <li>• 12-GPM to Regeneration</li> </ul>	
	Cation Exchange Water Softening						
<b>ZC1700749</b>	Melt Blown Sediment Filter 5-micron Cartridge ScaleArmor™ & Scale Reduction Technology	<ul style="list-style-type: none"> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 12-Month Expected Life</li> </ul>		<b>ZC1802746</b>	Sediment 5-micron Carbon Block 5-micron ScaleArmor™ & Corrosion Heavy Corrosion Protection	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 250 PPM of Chlorides, Sulfates or Silica</li> <li>• 12-Month Expected Life</li> </ul>	
	Whole House Reverse Osmosis System						
<b>ZC1802746</b>	Sediment 5-micron Carbon Block 5-micron ScaleArmor™ & Corrosion Heavy Corrosion Protection	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 250 PPM of Chlorides, Sulfates or Silica</li> <li>• 12-Month Expected Life</li> </ul>					
<b>BW-CAT-1MPT-08 BW-CAT-1MPT-10 BW-CAT-1.25MPT-12</b>	Blended Carbon for CTO and Chloramine Disinfectant Reduction - Autbackwash Design	<ul style="list-style-type: none"> <li>• 8-GPM to Regeneration</li> <li>• 10-GPM to Regeneration</li> <li>• 12-GPM to Regeneration</li> </ul>					
<b>ZC-UV-15-2020-SA-CT</b>	Designed for point-of-entry applications for bacteriologically contaminated water	<ul style="list-style-type: none"> <li>• Bacteria reduction up to 15 GPM</li> </ul>					

# WATER TREATMENT APPLICATION GUIDE CONT.

Defined Aspects			Point-Of-Use Solution			
Issue	Cause	Treatment	Part #	Type	Performance	Photo
<b>VOC</b>	Through industrial dumping, leaks, spills or from the use and improper disposal of household products that contain these chemicals	Carbon Block Catalytic Coconut Shell Carbon Filter / Whole House Carbon Block Filtration System / Carbon GAC Mix Bed Whole House Filtration System	<b>ZC111T619</b>	Under Counter Sediment and Carbon Block Filter System - VOC, CTO & LEAD 0.5-micron	<ul style="list-style-type: none"> <li>• 0.75 GPM @ 2,500 gallons life</li> <li>• Low Pressure Drop</li> <li>• Lead Carbon Block Filter</li> <li>• Under Counter System</li> </ul>	
<b>Water Heater and Tankless Water Heater</b>	Meets Manufacturer's Warranty for Sediment and Scale	Sediment and Scale Protection	<b>ZC1381427</b>	Tankless Water Heater Filter System with ScaleArmor™	<ul style="list-style-type: none"> <li>• 14 GPM</li> <li>• 15-grain hard water</li> <li>• 12-month life</li> </ul>	
<b>Whole House Sediment and Scale Reduction</b>	Provides Sediment and ScaleArmor™ Protection at all Water Dispensing Locations in House	Sediment and Scale Protection				
<b>Whole House Sediment, Carbon and Scale Reduction</b>	Provides Sediment CTO and ScaleArmor™ Bottle Quality Protection at all Water Dispensing Locations in House	Sediment, Chlorine, Chloramine and Scale Protection				
<b>Yellowish Color</b>	Tannins (humic acids)	Anion Exchange / Reverse Osmosis / Manganese Greensand Backwash Filter	<b>RE6075310</b>	Reverse Osmosis	<ul style="list-style-type: none"> <li>• 50 GPD Complete RO system</li> </ul>	

Point-Of-Entry Solution				Point-Of-Entry Solution (Option)			
Part #	Type	Performance	Photo	Part #	Type	Performance	Photo
<b>BW-CAT-1MPT-08</b> <b>BW-CAT-1MPT-10</b> <b>BW-CAT-1.25MPT-12</b>	Blended Carbon for CTO and Chloramine Disinfectant Reduction - Autbackwash Design	<ul style="list-style-type: none"> <li>• 8-GPM to Regeneration</li> <li>• 10-GPM to Regeneration</li> <li>• 12-GPM to Regeneration</li> </ul>					
<b>ZC1700749</b>	Melt Blown Sediment Filter 5-micron Cartridge ScaleArmor™ Scale Reduction Technology	<ul style="list-style-type: none"> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 12-Month Expected Life</li> </ul>		<b>ZC1802746</b>	Sediment 5-micron Carbon Block 5-micron ScaleArmor™ & Corrosion Heavy Corrosion Protection	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 250 PPM of Chlorides, Sulfates or Silica</li> <li>• 12-Month Expected Life</li> </ul>	
<b>ZC1700749</b>	Melt Blown Sediment Filter 5-micron Cartridge ScaleArmor™ Scale Reduction Technology	<ul style="list-style-type: none"> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 12-Month Expected Life</li> </ul>		<b>ZC1800746</b>	Melt Blown Sediment Filter 5-micron Cartridge ScaleArmor™ Scale Reduction Technology	<ul style="list-style-type: none"> <li>• 15-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 12-Month Expected Life</li> </ul>	
<b>ZC1702747</b>	Sediment 5-micron Carbon Block 5-micron ScaleArmor™ & Corrosion Heavy Corrosion Protection	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 250 PPM of Chlorides, Sulfates or Silica</li> <li>• 12-Month Expected Life</li> </ul>		<b>ZC1802746</b>	Sediment 5-micron Carbon Block 5-micron ScaleArmor™ & Corrosion Heavy Corrosion Protection	<ul style="list-style-type: none"> <li>• &lt;0.4 PPM of Iron</li> <li>• 10-GPM Max Flow</li> <li>• 15-Grain Hardness</li> <li>• 250 PPM of Chlorides, Sulfates or Silica</li> <li>• 12-Month Expected Life</li> </ul>	
	Anion Exchange System						



## IAPMO RESEARCH AND TESTING, INC.

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*Issued to:*

### ATLAS FILTRI NORTH AMERICA

1068 NORTH FARMS RD BLDG #3  
WALLINGFORD, CT 06492

*Product:*

### Water Treatment Product - Health Effects

*Products are certified to the following standard(s):*

NSF/ANSI 53-2021

File Number: WP-16812

Effective Date: August 2024

Void After Date: August 2029\*

  
Chairman, Product Certification Committee



  
Chief Technical Service Officer

\* This certificate is not evidence of current listing. To verify listing status, visit the IAPMO R&T Product Listing Directory at [pld.iapmo.org](http://pld.iapmo.org)

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*Issued to:*

### ATLAS FILTRI NORTH AMERICA

1068 NORTH FARMS RD BLDG #3  
WALLINGFORD, CT 06492

*Product:*

### Scale Reduction Devices

*Products are certified to the following standard(s):*

IAPMO/ANSI Z601-2018

File Number: WP-14228

Effective Date: March 2023

Void After Date: May 2027\*

  
Chairman, Product Certification Committee



  
Chief Technical Service Officer

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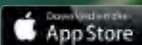
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