



Science.  
Applied to Life.™

# 3M Residential Water Quality Solutions *Professional Series*

***3M Residential Pro Series Product Guide***

Effective February 1, 2016

# Simplification. Applied to helping you find the right solution quickly.

Take a look inside for our new professional series and how we can help you grow your business.

# It's not complicated, it's simply water.

We are taking a different approach to how we help you meet your customer's water quality needs. We are helping to bring together 50 plus years history of providing Aqua-Pure™ water quality products with 3M's over 100 year history of technology innovation.

We believe our professional series will help you address your customer's water quality needs and make it easier for you to choose the right solution for your customer. Because let's face it, we're all busy. Who has time to read through a lot of information across many systems and feel confident you have the right solution?

We believe that everyone has the right to high quality, cleaner, clearer water. We hope that you will join us in committing to bring this important right to homes in your area.



**In our 3M Residential Water Quality Solutions Product Catalog, you will find:**

- Our products
- Our break down of basic water filtration and treatment terminology
- Our ordering information

For easy data loads, please see our professional portal for detailed excel data tables with more shipping details, product performance claims, and pricing. Please go to [www.aquapure.com/justaddwater](http://www.aquapure.com/justaddwater) for this information.

# Microporosity. Applied to trusting every drop.



## Under Sink Water Filtration Systems

# Water Filtration 101

### Reduction Claims

List of specific contaminants a water filter has been tested to reduce from the water source. For example, the 3MDW301 reduces Particulate, CTO (Chlorine Taste & Odor), Chloramines, Lead, Asbestos, Cyst, VOC's, MTBE, and TTHM.

### Micron Rating (µm)

The ability of the filter media to remove particles of a certain size. The lower the number, the finer the level of particles are being reduced.

### Flow Rate (gpm or gpd)

How quickly water is flowing from the source after the water filter system is installed. The higher the number, the quicker water should flow from the faucet head. Often expressed as gallons per minute (gpm) or gallons per day (gpd).

\* Filter life dependent on local water quality.

### Capacity/Life\* (gallons/months)

A measurement of how many gallons can flow through a filter system while maintaining the performance claims. The higher the capacity, the longer the filter life.

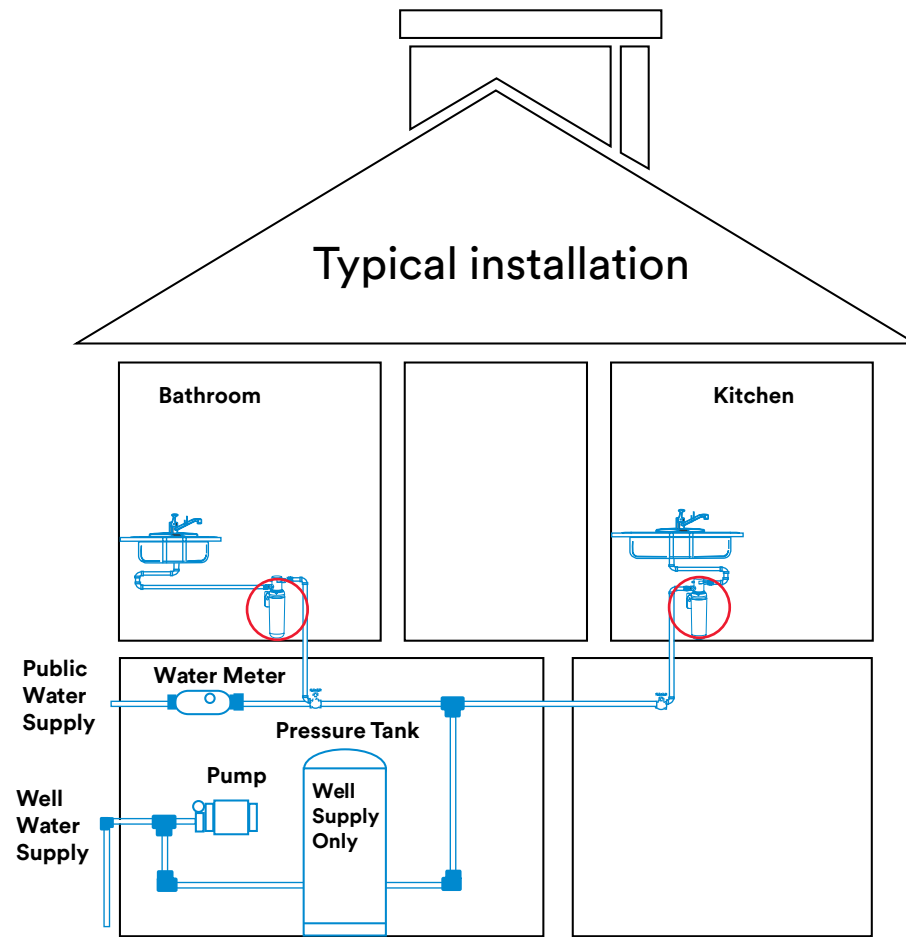
A water filter that has a lower micron rating and wider range of contaminant reductions will tend to have a lower flow rate. If you think about it, filtering water will usually restrict the flow of the water, but we have different solutions that provide you with options to meet your customer's needs. For example, the 3MFF100 is a great innovation in water filtration technology as it filters major contaminants without reducing the normal flow rate of water from an existing faucet and is rated to last twice as long compared to our previous generations of 3M Purification under sink products .



3MFF100

# Under Sink Water Filtration

- Under sink water filtration systems are great solutions to provide cleaner, clearer and great tasting drinking and cooking water by reducing a wide range of contaminants that may be present in the local water
- All under sink and refrigerator water filtration systems have a 6 month replacement interval unless noted otherwise
- See our streamlined portfolio of 3M™ Aqua-Pure™ and 3M™ products available differentiated by their reduction claims
- All of our featured under sink water filtration systems on the following page are NSF tested and certified unless noted on the reduction claims



Important: Diagram shown is for reference purposes only. Read installation and operation manual prior to installing the unit.



	Level 1	Level 2	Level 3
<b>Full Flow Systems</b> <ul style="list-style-type: none"> <li>• Use the existing primary faucet to enjoy a high flow rate</li> <li>• For strongest water flow, use the 3MFF100</li> <li>• One year replacement interval* for 3MFF100</li> </ul>	 <b>AP200</b>	 <b>AP Easy Cyst-FF</b>	 <b>3MFF100</b>
	Sediment**/CTO	Particulate/CTO/Cyst	Particulate/CTO/Lead/Cyst/Select VOC's***
<b>Dedicated Faucet Systems</b> <ul style="list-style-type: none"> <li>• Additional performance claims compared to full flow systems</li> <li>• Comes with a faucet to install</li> <li>• One year replacement interval* for 3MDW301</li> </ul>	 <b>AP Easy Complete</b>	 <b>AP-DWS1000</b>	 <b>3MDW301</b>
	Particulate/CTO/Lead/Mercury/Cyst/Select VOC's***	Particulate/CTO/Lead/Cyst/Select VOC's***/MTBE	Particulate/CTO/Chloramines/Lead/Asbestos/Cyst/VOC's***/MTBE/TTHM
<b>Reverse Osmosis Systems</b> <ul style="list-style-type: none"> <li>• Additional performance claims compared to dedicated faucet systems</li> <li>• Comes with a faucet to install</li> <li>• One year replacement interval* for all three RO Systems</li> </ul>	 <b>3MRO301</b>	 <b>3MRO401</b>	 <b>3MRO501</b>
	Particulate/CTO/Arsenic/Barium/Cadmium/Chromium/Copper/Cyst/Fluoride/Lead/Radium/Selenium/TDS/Turbidity	Particulate/CTO/Cysts/Arsenic/Barium/Cadmium/Chromium (Hex)/Chromium (Tri)/Copper/Fluoride/Lead/Radium/Selenium/Select VOC's***/Turbidity & TDS	Particulate/CTO/Cysts/Arsenic/Barium/Cadmium/Chromium (Hex)/ Chromium (Tri)/Copper/Fluoride/Lead/Radium/Selenium/Select VOC's*** (Toxaphene/p-Dichlorobenzene/Turbidity & TDS/Nitrate/Nitrite)

\*Filter life dependent on local water quality  
 \*\*As tested and verified by manufacturer's laboratory.  
 \*\*\*For additional performance claims please visit NSF.org.

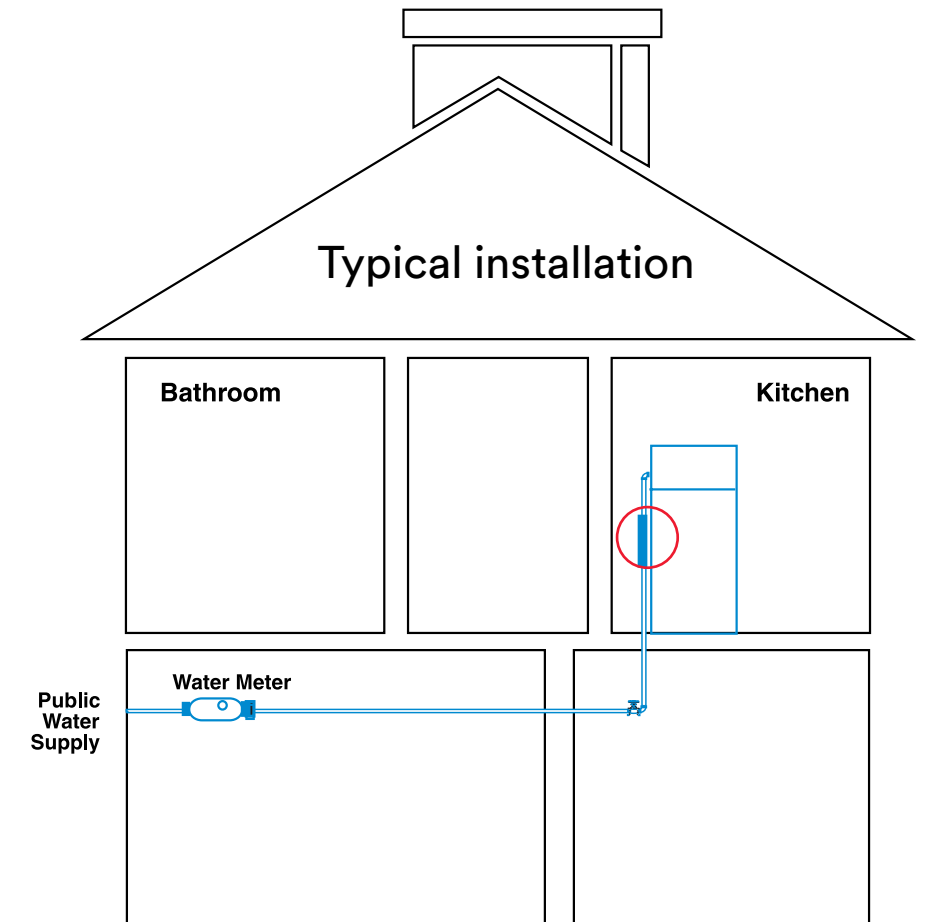
# Activated carbon. Applied to great tasting beverages.



# In-line Water Filtration Systems

# In-line Water Filtration

- In-line water filtration systems are great solutions when a refrigerator does not have a pre-existing water filter
- Can be used with your ice maker for great tasting water
- Can also be used for drinking fountains, coffee machines and drink dispensers
- The AP717 includes proprietary scale and corrosion inhibition system to help protect equipment and ice makers against scale build-up and potentially damaging effects of corrosion



NOTICE: Diagram shown is for reference purposes only. Read installation and operation manual prior to installing the unit.

	Level 2	Level 3
<b>In-line Systems</b> <ul style="list-style-type: none"> <li>• Installed on the feed water line to the refrigerator/ice maker for great tasting water</li> </ul>		
	<b>IL-IM-01</b>	<b>AP717</b>
	Sediment*/CTO	Sediment*/CTO/Scale*

\*As tested and verified by manufacturer's laboratory.

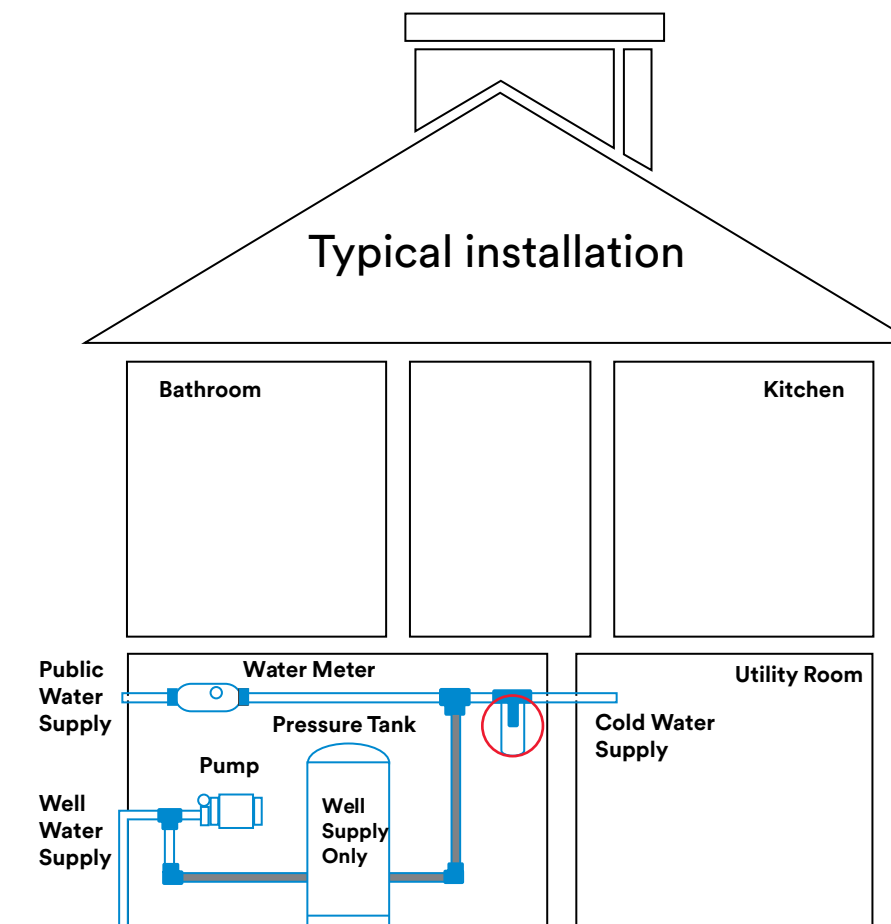
# Sediment reduction. Applied to happy pipes and appliances.



## Whole House Water Filtration

# Whole House Water Filtration

- Whole house water filter systems are great solutions to help protect your pipes and appliances as well as offer you great tasting drinking water from anywhere in the home
- 3M's latest innovation in whole house water filtration systems, the AP900 series, now offers you three levels of filtration for great tasting water throughout the house with easy change out replacement cartridges from our proprietary sanitary quick change (SQC) style heads






Important: Diagram shown is for reference purposes only. Read installation and operation manual prior to installing the unit.



AP900 Series Sanitary Quick Change (SQC) Style Systems	Level 1	Level 2	Level 3
	<ul style="list-style-type: none"> <li>• Three levels of filtration available for different water quality issues</li> <li>• Stainless steel head with limited 25 year warranty</li> <li>• Easy SQC replacement change-out style</li> </ul>		
	AP902	AP903	AP904
	Particulate	Particulate/CTO*	Particulate/CTO*/Scale*

\*As tested and verified by manufacturer's laboratory.

# Whole House Water Filtration Housings

Housings do not come with water filter cartridge. Drop-in cartridges sold separately.  
Flow rate and reduction claims vary with drop-in water filter cartridge used.



	1 High	1 High	2 High
<b>AP100 Series</b> <b>Standard Diameter Sump Style Systems</b> <ul style="list-style-type: none"> <li>• May use AP124, AP110, AP1001, AP117, APS117, or AP420 drop-in cartridges in the AP100 series</li> <li>• AP102T recommended for homes with 3-4 bathrooms</li> <li>• 1-High height is 10" and 2-High height is 20"</li> </ul>			
	<b>AP11T</b>	<b>AP101T</b>	<b>AP102T</b>
	Pressure relief valve 8 gpm*	Valve in Head 8 gpm*	Valve in Head 16 gpm*

	1 High	2 High
<b>AP800 Series</b> <b>Large Diameter Sump Style Systems</b> <ul style="list-style-type: none"> <li>• May use AP810, AP811, or AP817 drop-in cartridges in the AP800 series</li> <li>• AP802 recommended for homes with 3-4 bathrooms</li> <li>• 1-High height is 10" and 2-High height is 20"</li> </ul>		
	<b>AP801</b>	<b>AP802</b>
	20 gpm**	45 gpm**

\*AP110 used to model differences in flow rate. Actual flow rate is dependent on cartridge used.  
\*\*AP810 used to model differences in flow rate. Actual flow rate is dependent on cartridge used.

# Whole House Water Filtration Housings

Housings do not come with water filter cartridge. Drop-in cartridges sold separately.  
Flow rate and reduction claims vary with drop-in water filter cartridge used.




	1 High	2 High
<b>SST Series</b> <b>Standard Diameter Stainless Steel Sump Style Systems</b> <ul style="list-style-type: none"> <li>• May use AP124, AP110, AP1001, AP117, APS117, or AP420 drop-in cartridges for this series</li> <li>• 316 stainless steel head</li> <li>• 304 stainless steel housing</li> <li>• 1-High height is 10" and 2-High height is 20"</li> </ul>		
	<b>SST1HA</b>	<b>SST2HB</b>
	8 gpm*	16 gpm*




	4 Filters	8 Filters	12 Filters
<b>SSEPE Series</b> <b>Large Diameter Stainless Steel Sump Style Systems</b> <ul style="list-style-type: none"> <li>• May use AP124, AP110, AP1001, AP117, APS117, or AP420 drop-in cartridges for this series</li> <li>• 316L stainless steel electropolished</li> </ul>			
	<b>SS4 EPE-316L</b>	<b>SS8 EPE-316L</b>	<b>SS12 EPE-316L</b>
	32 gpm*	64 gpm*	96 gpm*




\*AP110 used to model differences in flow rate. Actual flow rate is dependent on cartridge used.

# Whole House Water Filtration

## Drop-in Cartridges

	Level 1	Level 2	Level 3
<b>Standard Diameter Drop-in Cartridges</b> <ul style="list-style-type: none"> <li>For use in the whole house AP100 series housings as well as the standard and large diameter stainless steel housings</li> <li>All 1-high's sold in 2 packs</li> <li>AP110 and AP124 also available as a 2 high</li> <li>Standard diameter is 2.5"</li> </ul>			
	AP124	AP110	AP1001
	Sediment* at 50 microns	Sediment* at 5 microns	Sediment* at 1.0 micron

	Level 1	Level 2	Level 3
<b>Specialty Standard Diameter Drop-in Cartridges</b> <ul style="list-style-type: none"> <li>For use in the whole house AP100 series housings as well as the standard and large diameter stainless steel housings</li> <li>All sold in 2 packs</li> <li>Specialty standard diameter is 3.0"</li> </ul>			
	AP117	APS117	AP420
	Sediment* at 5 microns/ CTO* at 3 gpm	Sediment* at 5 microns/ CTO*/Scale* at 3 gpm	Sediment* at 5 microns/ Scale* at 10 gpm

	Level 1	Level 2	Level 3
<b>Large Diameter Drop-in Cartridges</b> <ul style="list-style-type: none"> <li>For use in the AP800 Series</li> <li>All sold as individual cartridge</li> <li>All large diameter cartridges also available as a 2 high</li> <li>Large diameter is 4.5"</li> </ul>			
	AP811	AP810	AP817
	Sediment* at 25 microns	Sediment* at 5 microns	Sediment* at 25 microns /CTO*

\*As tested and verified by manufacturer's laboratory.



# Ion Exchange. Applied to baby soft towels.



# Water Softening and Water Treatment Systems

# Water Softening 101

## Hardness (gpg)

The concentration of calcium and magnesium minerals in the water. Hardness is most commonly measured in grains per gallon.

## Ion Exchange Resin

Exchanges the calcium and magnesium ions for the sodium or potassium ions.

## Scale

Calcium and magnesium deposits that often form when water containing hardness is heated. Water hardness is responsible for most scale formation in pipes, water heaters, finishes and flat surfaces and other water using appliances. Over time, scale build-up can significantly shorten the life of any water-using appliance, from coffee makers and irons to washers and dishwashers.

## Softening Benefits

In gas-powered water heaters, untreated hard water can cause significant efficiency losses and added costs. By using soft water, homes can save up to 30% with a traditional gas water heater, or up to 10% with newer high efficiency tankless water heater.\*



3MWTS200-125

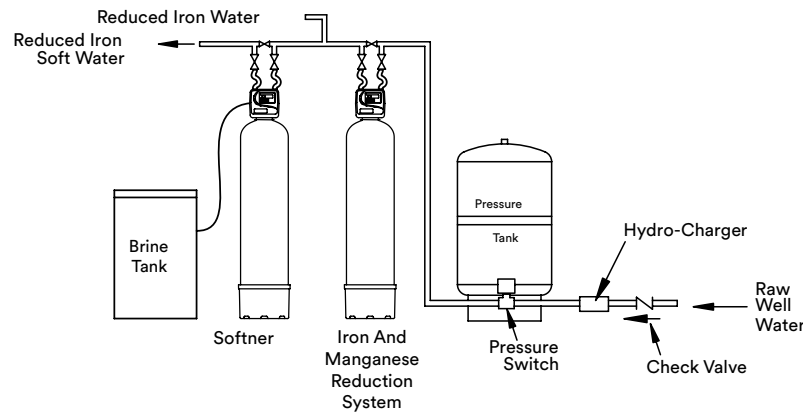
\*Based on the Water Quality Research Foundation 2010-2012 Battelle Study.

# Water Softening & Treatment

- Introducing the streamlined offering of 3M™ Water Softening systems and iron reduction series systems
- Our water softening and problem water systems series address the very common water quality concerns of hardness and iron
- Soft water can reduce energy costs and detergent use; and help maintain appliance efficiency\*

\* Based on the Water Quality Research Foundation 2010-2012 Battelle Study.

3MWTS Softner Series Typical installation\*  
Well Installation



\*Important: Diagram shown is for reference purposes only. Read installation and operation manual prior to installing the unit.

## Water Softening Systems

3MWTS Series Water Softening Systems	1.0 Cubic Ft	1.5 Cubic Ft	2.0 Cubic Ft
	<ul style="list-style-type: none"> <li>• 3MWTS200-125 is WQA certified, NSF/ANSI Standard 44 listing for reduction of Barium, Radium as well as Water hardness</li> <li>• Optimized for Iron, Manganese and Hydrogen Sulfide reduction</li> <li>• 3MWTS200-125 with a 1.25" valve offers greater flexibility with home/application size</li> <li>• Includes a proprietary salt shelf, reducing service issues</li> <li>• 3MWTS200-125 utilizes a full 1.25" porting throughout the Resin Recirculators as well as the valve, a true industry differentiated feature</li> </ul>		
	<b>3MWTS100</b>	<b>3MWTS150</b>	<b>3MWTS200-125</b>
	Scale/Hardness at 7.9 gpm	Scale/Hardness at 11.1 gpm	Scale/Hardness/Barium/Radium at 10.9 gpm
	Applicable media (Included in all 3MWTS systems)		
	H-050P High capacity softening resin		

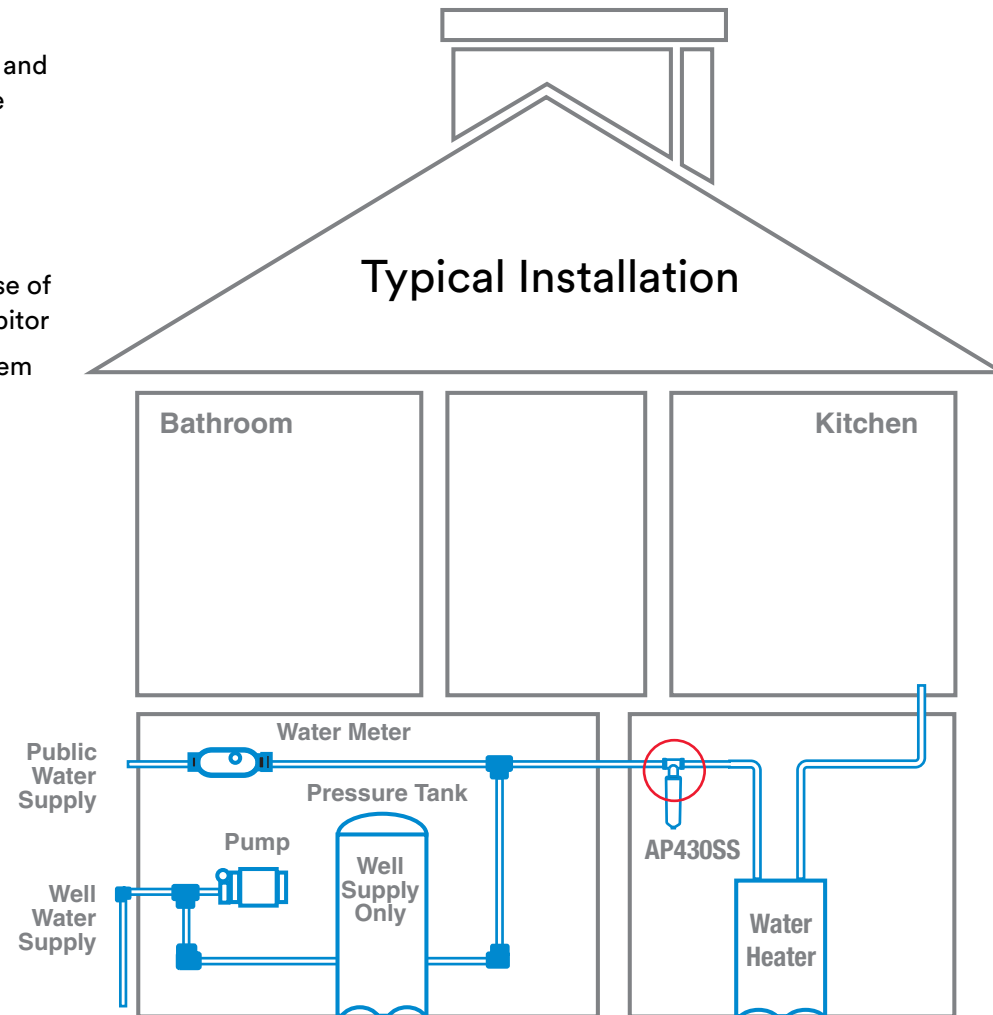
## Water Treatment Systems

3MCBF Series Backwashing Systems	1.5 Cubic Ft	2.0 Cubic Ft	Applicable Media
	<ul style="list-style-type: none"> <li>• Self-cleans media by rinsing off the contaminants filtered from the water to help minimize energy and water waste</li> <li>• Using ACC-050P media provides a whole house chloramines reduction solution</li> </ul>		
<b>3MCBF150</b>	<b>3MCBF200</b>		
3MAPIF Series Iron Reduction Systems	1.5 Cubic Ft	2.0 Cubic Ft	Applicable Media
<ul style="list-style-type: none"> <li>• Full flow bypass valve allows service on a pressurized system, while still providing untreated bypass water to the residence</li> <li>• Non-metallic, all-plastic design allows for easy access and serviceability without the need for tools</li> </ul>			MC-050P for Iron Reduction  phPlus to convert standard bed to manganese bed  MC-050P included
<b>3MAPIF150</b>	<b>3MAPIF200</b>		
3MAPPM Series Iron Reduction Systems Best for well applications	1.5 Cubic Ft	2.0 Cubic Ft	Applicable Media
<ul style="list-style-type: none"> <li>• Does not require harsh chemicals for iron oxidation</li> <li>• Fully automatic operation for greater efficiency and simple programming</li> <li>• Washed quartz underbed provides extra filtration and enables proper cleaning of filter media</li> </ul>			MC-050P For Iron Reduction  phPlus to convert standard bed to manganese bed  MC-050P included
<b>3MAPPM150</b>	<b>3MAPPM200</b>		
<b>Quartz filter gravel (included in all water treatment systems)</b>	<b>QC-18P and QC-25P filter gravel media to support filter media with all water treatment systems</b>		

\*All Water treatment systems come with dome hole for easier media loading.

# Scale Inhibition System

- The AP430SS system is a great add on to your tank and tankless water heater sale
- This water treatment system helps protect tank and tankless water heaters by providing a consistent, controlled dose of polyphosphate scale inhibitor
- Helps protect piping system from corrosion



Important: Diagram shown is for reference purposes only. Read installation and operation manual prior to installing the unit.

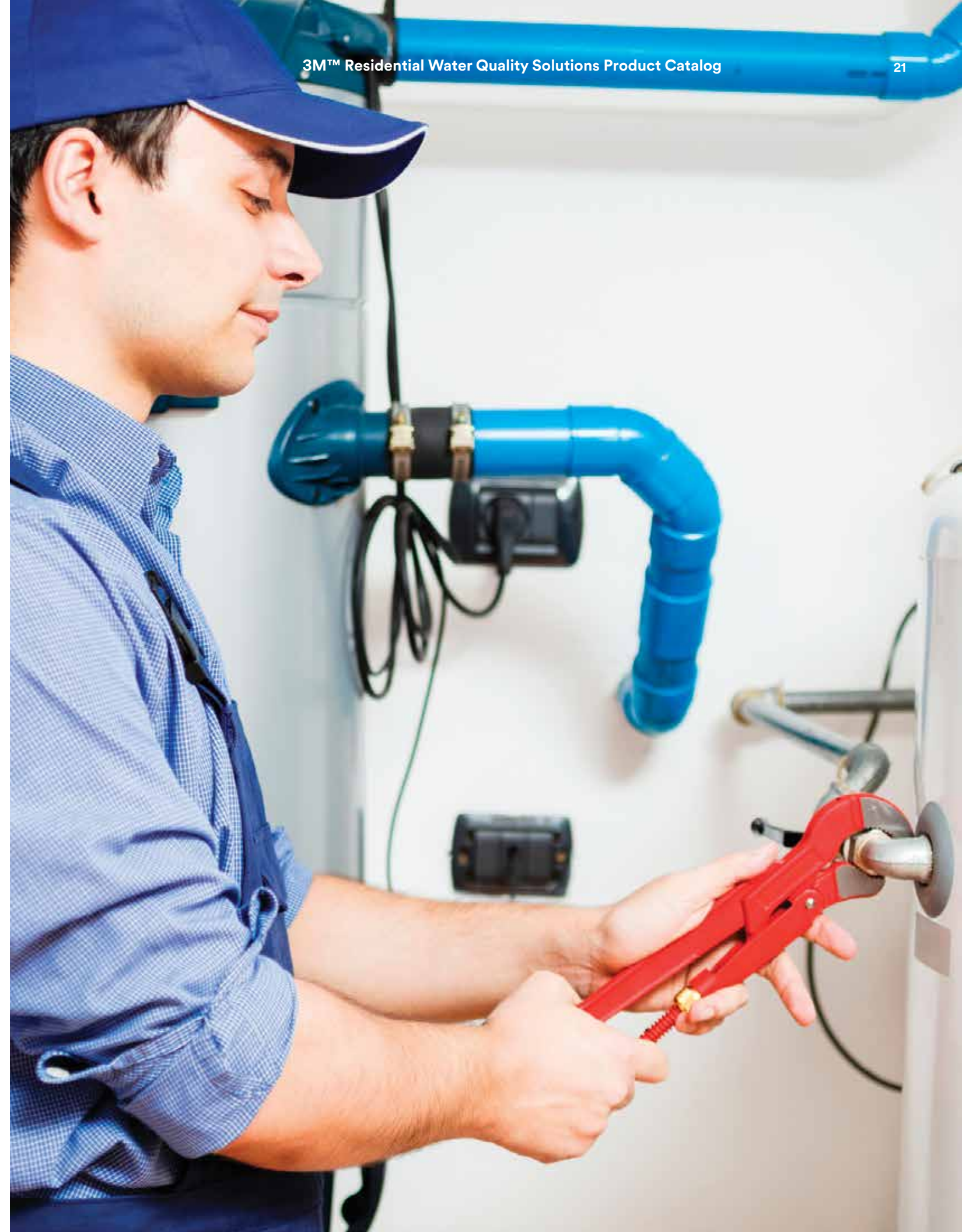
## Scale Inhibition System

- Maintains efficiency and helps extend the life of tank and tankless water heater systems
- Stainless steel head
- Easy installation with a 3/4" inlet/outlet connection



AP430SS

Scale inhibition at 8gpm





## How to Order Products in this Catalog

Authorized 3M Purification (PI) Distributors may place orders directly through 3M PI customer service team by calling 1-800-222-7880. Authorized 3M PI Distributor Terms and Condition as referenced in the Authorized 3M PI Distributor agreement apply.

### Product Use:

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

### Warranty, Limited Remedy, and Disclaimer:

Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

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