



Responding to Boil Orders

Occasionally municipal and/or private water systems may become compromised as the result of incidents such as a water main break or natural disasters such as flooding. In these instances, the local authorities may enforce a boil order. Below are the steps that 3M recommends to manage a boil order:

EXPLANATION OF SIGNAL WORD CONSEQUENCES	
	WARNING
Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury and/or property damage.	

 WARNING	
To reduce the risk associated with the ingestion of contaminants:	
<ul style="list-style-type: none"> • DO NOT use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. 	
To reduce the risk associated with ingestion of water contaminated with sanitizer:	
<ul style="list-style-type: none"> • After installation, sanitizer MUST be flushed from the system before first use as directed within the installation instructions. 	

1. Always obey the local authorities and follow their instructions regarding a boil order. Only use water that has been properly disinfected for drinking, cooking, making any prepared drink, or for brushing teeth. A boil order is implemented when there is concern that the water may be contaminated by bacteria, parasites or viruses. While the boil order is in place, 3M recommends that filter-users either
 - a. Use bottled water that has not been exposed to the water affected by the boil order.
 - b. Or boil their water (please visit the US EPA website for instructions on proper method of boiling water).
2. Clean all water-using equipment. Once the incoming water is deemed to be microbiologically safe to consume and the boil order is lifted, 3M recommends that all water using equipment be cleaned and sanitized with an approved disinfectant. Always follow the equipment manufacturer's instructions on how to clean and sanitize specific pieces of equipment. If a disinfectant is not specified, typical household unscented chlorine bleach (5.25% available chlorine) can be used. US EPA recommends that to make the disinfectant solution, 1/8 teaspoon (0.62 milliliter) of the bleach for 1 gal (3.78 liter). Double the amount of chlorine for cloudy, murky or colored water or water that is extremely cold.
3. Clean the filtration system. 3M manufactures flushing cartridges and plugs for this purpose. Below is a list of flushing cartridges and plugs that are used for 3M™ Water Filtration Products. The flushing cartridge is simply an empty cartridge that can be filled with a liquid disinfectant. Note that multiple cartridges and plugs may be required. Please read procedure below before ordering flushing cartridges and heads.

For all High Flow Series Single Head and Manifold Systems:

Flushing Cartridge: 5610419 (70020019843)

Plug: 6217401 (70020160290)

For all Legacy CUNO™ System One Systems and 560/570 Heads:

Flushing Cartridge: 5558407 (70020115047)

Plug: N/A (Use empty flushing cartridges in each manifold head)

For ROGO Heads- Incl. SGLP-RO, FSTM-075, BEV150, STM150, TSR150

Flushing Cartridge: 5553627 (70020184787)

Plug: 50-1265 (70020025840)

Step 1: Make sure that the water supply to the filter system is off.

Step 2: Remove the old cartridges. Note: If using a manifold system with an HF8-S scale inhibition cartridge, the cartridge should be left in place.

Step 3: Add liquid disinfectant to the flushing cartridge through the center straw using a basting syringe. These syringes are readily available but 3M also offers one p/n 5622001 (70020189018). See illustration below.



NOTE: If the filter system is an older CUNO™ SystemOne manifold with a drop-in style prefilter, a flushing cartridge is not required. The disinfectant should be added directly into the prefilter sump.

Step 4: Once the flushing cartridge is filled with disinfectant, it is inserted into the filter head. If cleaning a multi-head manifold, the flushing cartridge should be inserted into the first head and plugs should be inserted into the remaining heads. Note: on DF manifolds, two flushing cartridges are required.

Step 5: Open incoming water supply to the filter and open a downstream valve or faucet. Be sure to open a downstream faucet on all outlet lines from the filter system. When a strong chlorine smell is evident in the downstream valves or faucets, shut the water flow and let the sanitizing solution soak for at least 30 minutes. After 30 minutes, the water should have a slight chlorine odor. If not, repeat the dosage/steps and allow the water to stand for an additional 15 minutes.

Step 6: Flush out the disinfectant from the filtration-system by flushing water through the system for 5 minutes using potable water from the water-main. Close the incoming water supply and reopen all downstream faucets to relieve the water pressure on the system.

Step 7: Remove the flushing cartridge and plugs (if used) and insert new filter cartridges following the cartridge replacement instructions. Note: If using a manifold system with an HF8-S scale inhibition cartridge, the cartridge should also be replaced in this step.

Step 8: Open the incoming water supply and flush new cartridges per the NSF Performance Data Sheet. All lines should be flushed until chlorine smell is no longer detected.

Please note that it is common to experience water with very high turbidity and high levels of chlorine for a period of time after a boil order is lifted. The higher turbidity levels may result in premature plugging in some cases which may result in an unpredictable need for new cartridges. 3M recommends that spare cartridges be kept on hand to address this potential issue.

While these are recommended procedures, they do not guarantee that equipment will be safe to use if followed. It is the customers' obligation to ensure that (i) these procedures are appropriate and effective and (ii) equipment is safe and ready to resume normal operations after a Boil Water Advisory



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70-0203-3405-1 REV 0415