

3M™ Reverse Osmosis Drinking Water Filtration System 3MRO501

The 3M™ Reverse Osmosis Drinking Water Filtration System helps provide cleaner, better tasting water through reverse osmosis filtration. The 3MRO501 offers multi-stage filtration, incorporating separate sediment and chlorine taste & odor filters for excellent membrane module protection, a sanitary, encapsulated reverse osmosis membrane, a carbon block post-filter for superior flow from a dedicated faucet and a high-pressure booster pump for increased and more consistent production.

The 3M system's 110 VAC booster pump delivers a consistent driving pressure of 100 psi regardless of the regular feed pressure coming into a home, dramatically increasing production levels with the ability to deliver up to 23.92 gallons of clean, great-tasting water per day.*



Product Benefits:

- Reduces Particulate,** Chlorine Taste & Odor, Cysts, Arsenic, Barium, Cadmium, Chromium (Hex), Chromium (Tri), Copper, Fluoride, Lead, Radium, Selenium, Nitrates, Turbidity and Total Dissolved Solids (TDS).
- System includes compact booster pump design, which can be installed centrally in a home with lines that run to multiple faucets and appliances.
- Electronic pressure switch provides more water in the storage tank at a higher delivery pressure than traditional, non booster pump systems.
- Installs under the sink for dedicated drinking and cooking water use.
- 5 micron sediment/carbon pre-filter for optimal sediment holding capacity.**
- 10 micron nominal carbon block post-filter to provide satisfying flow from faucet.
- Sanitary quick change (SQC) design, allows for fast and easy, 1/4 turn replacement filter change-outs without the need of a filter wrench.
- System designed for both chlorinated and non-chlorinated municipal or well systems.
- Helps conserve water (compared to systems without an auto shut off), shutting system down when storage tank is full and automatically turns on to refill tank.

Product Specifications:

Model/ Part Number	Reduction Claims	Dimensions (H x W x D)	Approx. Weight	Daily Production Rate*	Post-filter Capacity	Temperature Range	Pressure Range	Replacement Filters
3MRO501	Particulate,** Chlorine Taste & Odor, Cysts, Arsenic, Barium, Cadmium, Chromium (Hex), Chromium (Tri), Copper, Fluoride, Lead, Radium, Selenium, Nitrates, Turbidity and Total Dissolved Solids (TDS)	16.1" x 10.9" x 7.3" (40.9 cm x 27.7 cm x 18.5 cm)	11.5 lbs (5.2 kg)	23.92 gpd (90.55 lpd)	1500 gal. @ 0.5 gpm (5678 liter @ 1.9 lpm)	40 - 100°F (4.4 - 37.8°C)	40 - 100 psi (276- 689 kPa)	3MROP411 3MROP412 3MROM413 3MROP416

*As certified per NSF 58. Nominal production rate of membrane when running to atmosphere (i.e., with empty tank) at 77° F and 50 PSI is 36 gpd (136 lpd).
Production varies based on pressure (fullness) of storage tank, incoming water pressure and water temperature.

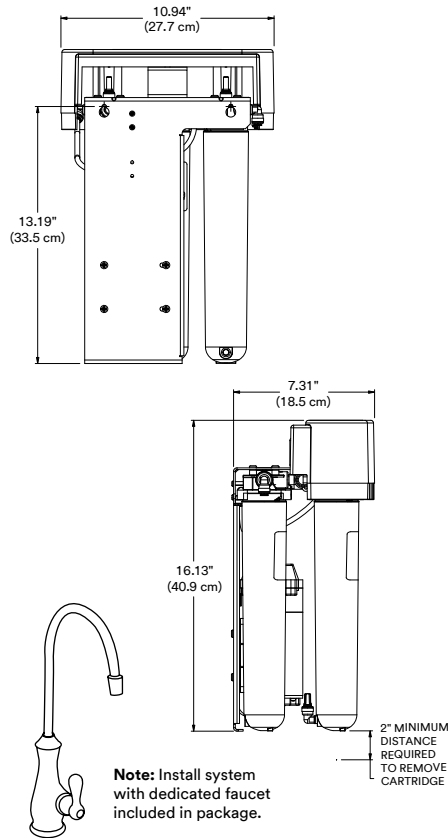
**As tested and verified by Manufacturer.

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Installation Guidance

- Installation may require drilling a hole in your sink top. A variable speed drill and specialized drill bits may be needed. We highly recommend professional installation.



Specifications

- System includes a tank, faucet, sediment pre-filter, granular carbon filter, membrane module and carbon block post-filter.
- System maximum operating pressure of 100 psi (689 kPa) and operating temperature of 100°F (37.8°C).
- Daily production rate up to 23.92 gpd (90.55 lpd)*, service flow rate of 0.5 gpm (1.9 lpm).
- System is NSF Standards 42, 58 and CSA B483.1 certified.
- Replacement filters are sanitary in design, requiring no contact with the filter media during filter change-out.
- System Efficiency: 16.03% Efficiency rating means the percentage of the influent water to the system that is available to the user as reverse osmosis treated water under operating conditions that approximate typical daily usage.

Important

▲ WARNING: Read entire product manual. Failure to follow all product instructions and warnings could cause personal injury from exposure to contaminants and/or property damage due to water leakage or flooding.

- Installation and use of system, including filters and tanks, must comply with all state and local regulations and plumbing codes. It is recommended the tank be installed by a qualified professional.
- DO NOT use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
- If your water supply pressure is higher than 80 psi, you must install a pressure reducing valve before installing system.
- Filter cartridge must be replaced at the required intervals as stated on the product label and manual.
- For cold water use only.
- The 3M Brand 3MRO501 Drinking Water System has been tested and certified to NSF/ANSI standard 42 and 58 for the reduction of the substances listed in the system Performance Data Sheet. The system does not reduce all substances that could be present in your water.

For Performance Data Sheet go to 3M.com/waterquality or contact 3M at 1-866-990-9785.

For additional product information, including product manual and spec sheets, contact 3M at 1-866-990-9785.

For additional information on cartridge replacements please go to 3M.com/waterquality.

Limited Warranty:

Technical Information: The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.

Product Selection and Use: Many factors can affect whether a 3M product is appropriate for a particular application and how it performs, including local water and plumbing conditions. Customer is solely responsible for determining whether a 3M product meets customer's specific application requirements, including testing incoming source water quality and comparing it to the product's capabilities described in the Performance Data Sheet. Failure to properly evaluate, select, use or maintain a 3M product, or to meet applicable regulations or instructions, may result in personal injury from exposure to contaminants AND/OR property damage due to water leakage or flooding.

Limited Warranty, Limited Remedy, and Disclaimer: 3M warrants that this product (excluding filter cartridge or filter membrane) will be free from defects in material and manufacture for the period of ten (10) years from the date of purchase. No warranty is given as to the service life of any filter cartridge or membrane as it will vary with local water conditions and water consumption. Except as required by law, 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. This warranty does not cover failures resulting from misuse, alterations, failure to follow instructions or damage not caused by 3M. This warranty does not cover labor. 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.

This warranty gives you specific legal rights, and you may have other rights which may vary from state to state, or country to country. For warranty questions or service, please call 866.990.9785. Proof of purchase must accompany a warranty claim.

Limitation of Liability: Except for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.



System tested and certified by NSF International against NSF/ANSI Standard 42, 58 and CSA B483.1 for the reduction of substance specified on the Performance Data Sheet.

Available exclusively through your 3M Authorized Water Dealer



3M Purification Inc.
3M Separation and Purification
Sciences Division
400 Research Parkway
Meriden, CT 06450
1-800-222-7880
3M.com/waterquality

Ordering Guide

Type	Model Name	Model Number	3M ID
System	3MRO501	3MRO501-01A	70-0203-1739-5
Sediment Pre-Filter	3MROP411	3MROP411-20A	70-0203-2338-5
Granular Carbon Filter	3MROP412	3MROP412-20A	70-0203-2340-1
Membrane Module	3MROM413	3MROM413-20A	70-0203-2282-5
Carbon Block Post-Filter	3MROP416	3MROP416-20A	70-0203-2691-7

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