

# 3M™ Reverse Osmosis Drinking Water Filtration System 3MRO401

## Application: Reverse Osmosis Drinking Water Filtration

The 3M™ Reverse Osmosis Drinking Water Filtration System (3MRO401) helps provide cleaner, better tasting water through reverse osmosis filtration. The system offers 4-stage filtration, incorporating separate sediment and chlorine taste and odor filters for excellent membrane module protection, a sanitary, encapsulated reverse osmosis membrane, and carbon block post-filter for superior flow from a dedicated faucet.

The system is powered by residential line pressure – no electricity required. The system helps conserve water, shutting down when the storage tank is full and turning back on to refill the tank. Replacement filters are easy to change – twist on, twist off, no mess.



## Product Benefits:

- Reduces Particulate,\* Chlorine Taste and Odor, Cysts, Arsenic, Barium, Cadmium, Chromium (Hex), Chromium (Tri), Copper, Fluoride, Lead, Radium, Selenium, Turbidity and Total Dissolved Solids (TDS).
- Installs under the sink for dedicated drinking and cooking water use.
- 5 micron sediment/carbon pre-filter for optimal sediment holding capacity.\*
- Granulated activated carbon pre-filter to help protect membrane.
- Reverse osmosis membrane module capable of producing 11.48 gallons (43.46 liters) per day of clean, fresh water every 24 hours.\*\*
- 10 micron nominal carbon block post-filter to provide satisfying flow from faucet.
- Sanitary Quick Change (SQC) design, allows for fast and easy 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, shutting down when storage tank is full. Automatically turns on to refill tank.
- 1/4 turn quick-change filter design.

## 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
3MRO401	Particulate,* Chlorine Taste and Odor, Cysts, Arsenic, Barium, Cadmium, Chromium (Hex), Chromium (Tri), Copper, Fluoride, Lead, Radium, Selenium, Turbidity and Total Dissolved Solids (TDS)	16.06" x 13.94" x 4.38" (40.8 cm x 35.4 cm x 11.2 cm)	21.0 lbs. (9.5 kg)	11.48 gallons (43.46 liters)	1500 gallons at 0.5 gpm (5678 liter at 1.9 lpm)	40 - 100°F (4.4 - 37.8°C)	40 - 100 psi (276- 689 kPa)	3MROP411 3MROP412 3MROM413 3MROP416

\*Particulate removal tested and verified by manufacturer.

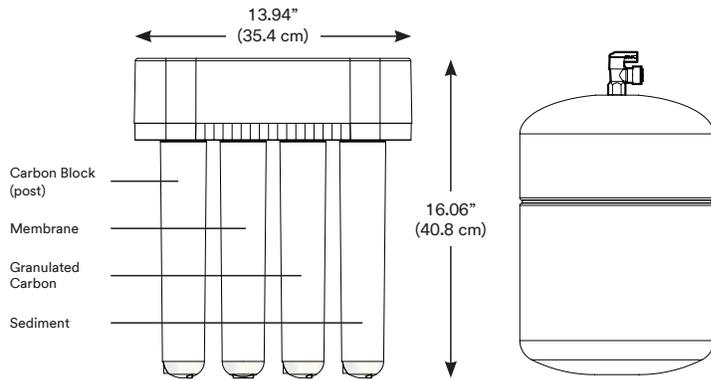
\*\*As certified per NSF 58. Nominal production rate of membrane when running to atmosphere (i.e., with empty tank) at 77° F and 50 PSI is 36 gpd (136 lpd). Production varies based on pressure (fullness) of storage tank, incoming water pressure and water temperature.

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## 3MRO401

### Installation Guidance

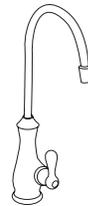
- Installation may require drilling a hole in your sink top. A variable speed drill and specialized drill bits may be needed. We highly recommend professional installation.



### Specifications

- System includes a tank, faucet, sediment pre-filter, granular carbon filter, membrane module and a carbon block post-filter.
- System maximum operating pressure of 100 psi (689 kPa) and operating temperature of 100°F (37.8°C).
- Reverse osmosis membrane module capable of producing 11.48 gallons (43.46 liters) per day of clean, fresh water every 24 hours\*\* (1500 gallons at 0.5 gpm, 5678 liter at 1.9 lpm)
- System is NSF Standards 42, 58 and CSA B483.1.
- Replacement filters are sanitary in design, requiring no contact with the filter media during filter change-out.
- System Efficiency: 12.48% 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.

**Note:**  
Install system with dedicated faucet included in package.



### 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.
- 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 3MRO401 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](http://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](http://3M.com/waterquality).

\*\*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.

### Limited Warranty:

**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 800.630.0778. 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

### Ordering Guide

Type	Model Name	Model Number	3M ID
System	3MRO401	3MRO401-01A	70-0203-2065-4
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



3M Purification Inc.  
400 Research Parkway  
Meriden, CT 06450  
1-800-222-7880  
[3M.com/waterquality](http://3M.com/waterquality)

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