

3M Science.
Applied to Life.™

3M™ Foodservice Water Filtration
Products | Reverse Osmosis Systems

Filtration fact:
It's easy to solve
hard water issues.

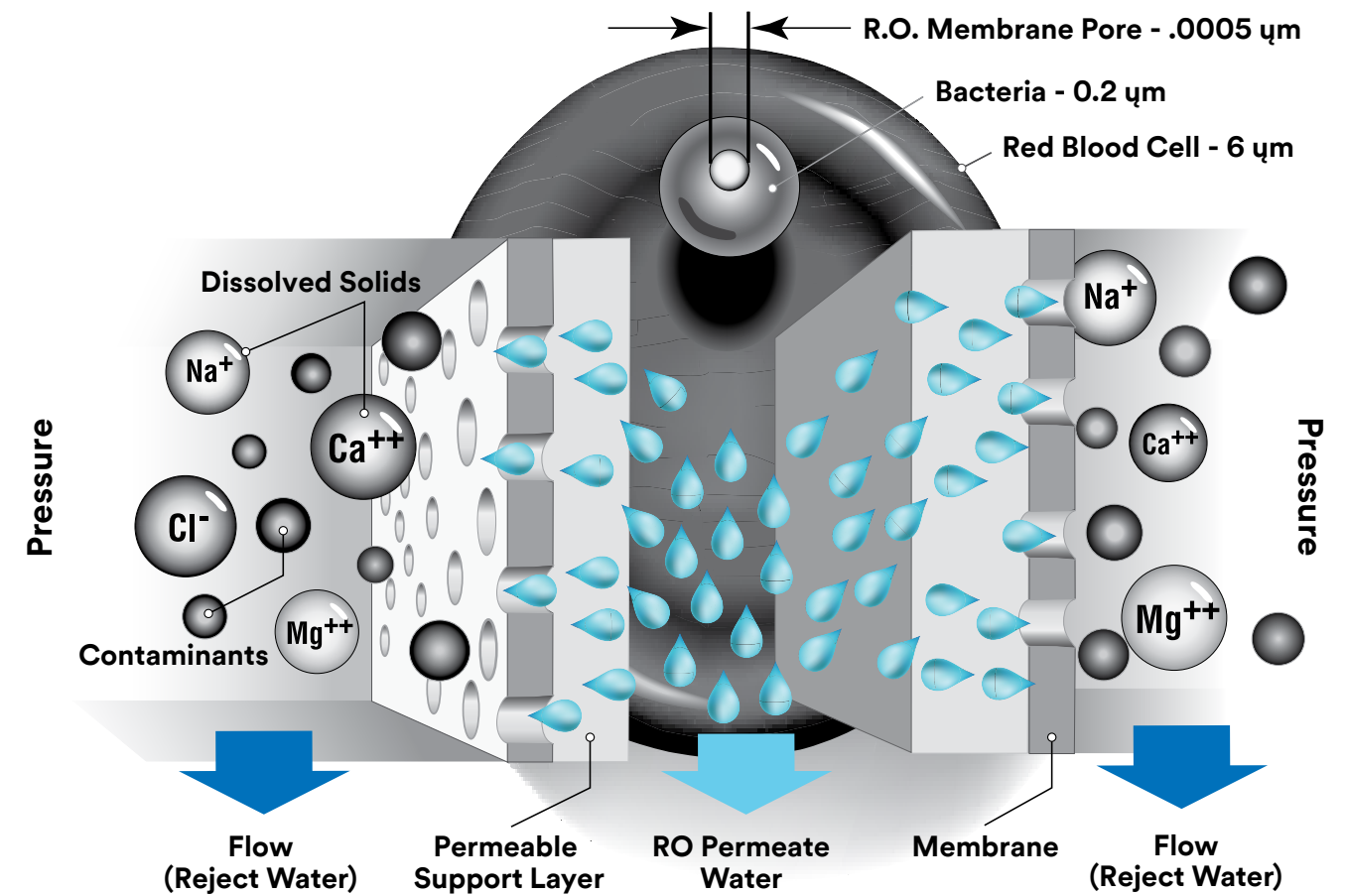


Is hard water giving you a hard time?

Unfiltered hard water can leave impurities behind that can lead to equipment failure and loss of business.

In the competitive foodservice industry, you know how important product consistency is for growing your business. Unscheduled maintenance calls or service interruptions can jeopardize customer satisfaction and your bottom line. Have confidence in your water with a reverse osmosis system from 3M.

How a Reverse Osmosis membrane works for your water.



The Challenge:

When water is cooled, heated or converted to steam, it leaves impurities behind. These impurities cling to the surfaces they come in contact with and can cause problems over time.

The Solution:

3M™ Water Filtration Reverse Osmosis Systems are designed to reduce hardness minerals, particulates and chlorine taste and odor that can cause equipment to require service, decreasing profitability.



Hard water is found in more than **85%** of the U.S.





Reverse Osmosis Systems

Model/Part	Capacity	Type	Reduction Claims
TFS450 RO System includes cartridges 5623901	300 gpd** (1135.6 lpd) without Blending	Line pressure RO system	Particulate, chlorine taste and odor, TDS

(Shipping Dimensions) 7" x 30" x 20" (17.8 cm. x 76.2 cm. x 50.8 cm.)
See page 7 for storage tank options.

TFS450 Replacement Cartridge(s)

Model/Part	Capacity	Type	Reduction Claims
TFS450 Cartpak includes prefilter, post filter, (2) RO cartridges 5624801	NA	SQC style	Particulate, chlorine taste and odor, TDS
TFS450 Cartpak includes (2) RO cartridges 5624803	NA	SQC style	TDS
TFS450 Install Kit 50-91301	NA	Installation Kit	NA

(Connections: inlet) 3/8" FNPT; outlet 1/2" FNPT
(Product Dimensions) 17-15/16" H x 22" W x 10-5/8" D (45.6 x 55.9 x 27.0 cm)

Reverse Osmosis Systems for Steamers



Model/Part	Capacity	Type	Reduction Claims
SGLP-RO with Permeate Pump 5612304	75 gpd* (283.9 lpd)	Line pressure RO system Use RO membrane with p/n 5598729	Particulate, chlorine taste and odor, TDS

(Connections) 1/4" tube inlet/outlet.
(Product Dimensions) 17-3/4" H x 12-1/4" W x 9-3/8" D (45 cm. x 31.31 cm. x 23.8 cm.)

FSTM-075 without Permeate Pump 5612306	75 gpd* (283.9 lpd)	Line pressure RO system Use RO membrane with p/n 5598728	Particulate, chlorine taste and odor, TDS
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(Connections) 1/4" tube inlet/outlet.
(Product Dimensions) 15-7/8" H x 12-1/4" W x 9-3/8" D (45 cm. x 31.1 cm. x 23.8 cm.)

SGLP/FSTM Replacement Cartridge(s) and RO Membranes

Model/Part	Capacity	Type	Reduction Claims
ScaleGard™ Pre 5570613	NA	SQC style	Particulate, chlorine taste and odor
ScaleGard™ RO (RO Membrane) 5598728	75 gpd* (283.9 lpd)	SQC style. Use RO membrane with p/n 5612306	TDS
ScaleGard™ RO (RO Membrane) 5598729	75 gpd* (283.9 lpd)	SQC Style for SGLP-RO. Use RO membrane with p/n 5612304	TDS
M cartridge 5598725	150 gpd* (568 lpd)	RO Membrane for STM/TSR Systems	TDS

Connections: 1/2" FNPT; outlet 1/2" FNPT Product Dimensions: Contact Factory
6239301 (ScaleGard HP reverse osmosis system (110V) without prefilter and RO cartridges) Contact Factory for pricing.
6239302 (ScaleGard HP reverse osmosis system (220V) without prefilter and RO cartridges) Contact Factory for pricing.



ScaleGard™ HP Reverse Osmosis System

Model/Part	Capacity	Type	Reduction Claims
ScaleGard™ HP Reverse Osmosis System w/ cartridge and RO membrane 5629101	930-1040 gpd* (2839 -3551 lpd) w/o blending*	(110-120VAC) w/ Prefilter and RO cartridges-USA plug	HF90-CL-RO cartridge: Bacteria ¹ , particulate, chloramines, CTO, cyst ² HFRO500 cartridge: TDS

ScaleGard™ HP Replacement Membranes

HF90-CL-RO 5613529	NA	Prefilter for ScaleGard™ HP System	Bacteria ¹ , cyst ² , particulate, chloramines, chlorine taste and odor
HFRO 500* 5626903	NA	RO Cartridge for ScaleGard™ HP System	NA

ScaleGard™ HP Installation Kit

ScaleGard™ HP Install Kit 6841441	NA	Installation Kit	NA
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ScaleGard™ Pre-Expansion Manifolds

SGHP Pre-EXP 6235205	NA	Pre-Expansion Manifold	NA
SGHP RO-EXP 6232705	NA	RO-Expansion Manifold	NA

SGLP-CL Reverse Osmosis Systems for Combi Ovens and Steamers



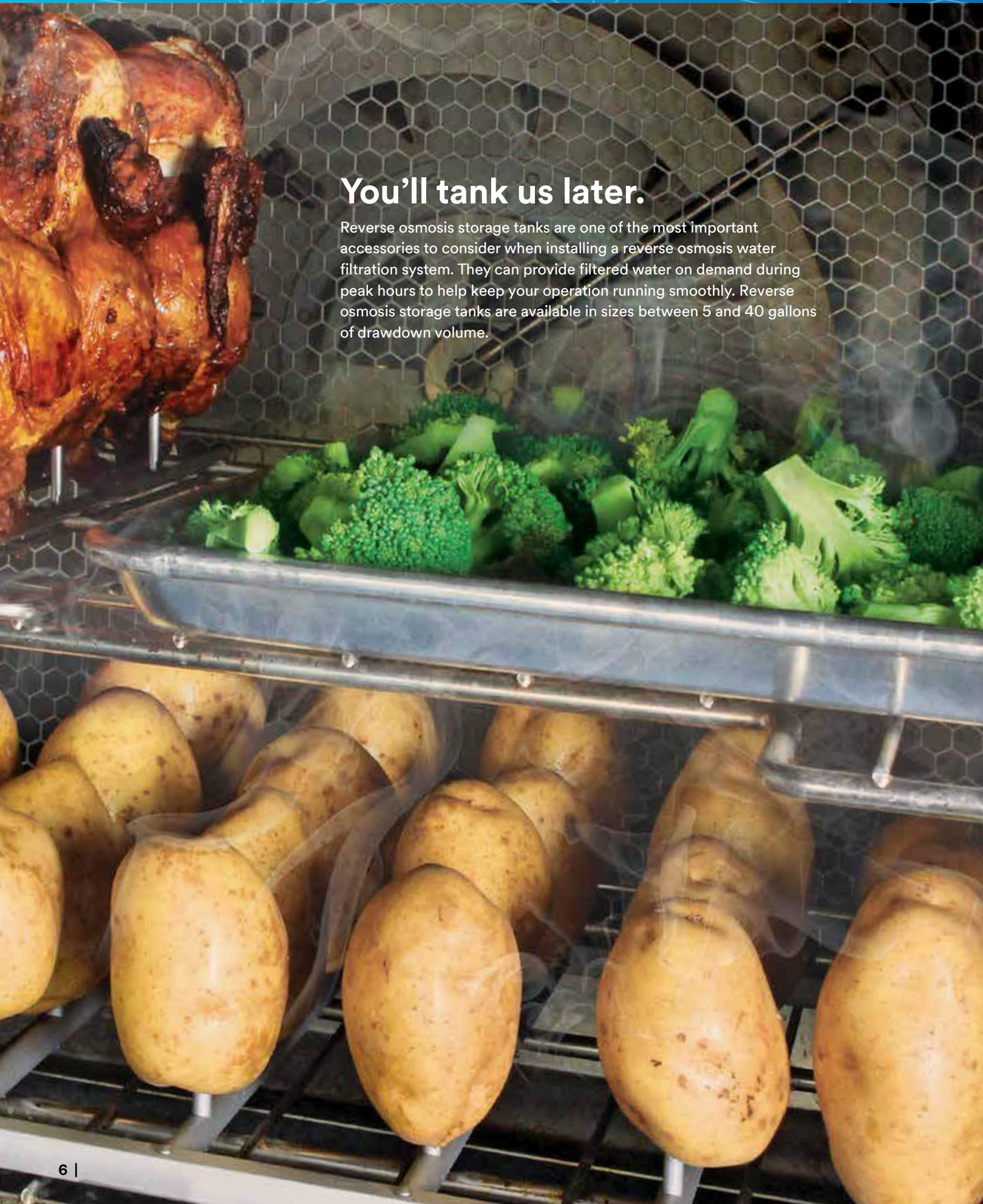
SGLP100-CL 5636201	100 gpd* (378.5 lpd)	Combi Oven and Boilerless steamer RO System - Single Oven (Cleaning bypass sold separately)	Particulate, chlorine taste and odor, chloramines and TDS
SGLP100-CL-BP 5636204	100 gpd* (378.5 lpd)	Combi Oven and Boilerless steamer RO System - Single Oven Includes Cleaning Bypass	Particulate, chlorine taste and odor, chloramines and TDS
SGLP200-CL 5636202	200 gpd* (757 lpd)	Combi Oven and Boilerless steamer RO System - Two High Ovens (Cleaning bypass sold separately)	Particulate, chlorine taste and odor, chloramines and TDS
SGLP200-CL-BP 5636203	200 gpd* (757 lpd)	Combi Oven and Boilerless steamer RO System - Two High Ovens Includes Cleaning Bypass	Particulate, chlorine taste and odor, chloramines and TDS

SGLP-CL Accessories, Replacement Prefilter and RO Membrane(s)

Cleaning Bypass Assy 50-94201	NA	Used for single water inlet ovens and steamers	NA
HF65-CL 5628902	7,000 gals. (26,498 lit.)	Replacement prefilter cartridge	5 micron; Particulate, chloramines, chlorine taste and odor
CFS M (RO Membrane) 5625004	100 gpd* (378.5 lpd)	SQC style replacement RO membrane	TDS

¹ As tested and verified with e.Coli ATCC (11229) by manufacturer's laboratory
² Based on the use of Cryptosporidium parvum oocysts






Maximum 18-month change-out recommended. Periodical evaluation of membrane recommended for optimum quality and flow.
*RO production rates listed are at a water pressure and temperature of 60 psi and 77°F producing water at atmosphere.
**RO production rates listed are at a water pressure and temperature of 70 psi and 77°F producing water at atmosphere.
Actual RO production rates may vary depending on water-temperature, incoming water quality and other factors.



You'll tank us later.

Reverse osmosis storage tanks are one of the most important accessories to consider when installing a reverse osmosis water filtration system. They can provide filtered water on demand during peak hours to help keep your operation running smoothly. Reverse osmosis storage tanks are available in sizes between 5 and 40 gallons of drawdown volume.

Reverse Osmosis Storage Tanks

Model/Part	Dimensions	Ship Wt.
 2.5 gallon RO Storage Tank w/ 90° 1/4" JG Ball Valve 5598405	17" H x 11" W x 17" L (43.2 cm. x 27.9 cm. x 43.2 cm.)	Contact Factory
 5 gallon drawdown Tank for STM/TFS RO Systems. Comes with connection kit 5598406	16-1/2" H x 15" D (41.9 cm. x 38.1 cm.)	20 lbs. (9.1 kg.)
 10 gal. drawdown Tank w/ connection kit 5598407	32-1/2" H x 16" D (81.9 cm. x 40.6 cm.)	23 lbs. (10.4 kg.)
 20 gal. Pneumatic Tank w/ 1" Ball Valve Assy. 5591202	56-3/4" H x 16" D (144.1 cm. x 40.6 cm.)	42 lbs. (19.1 kg.)
 40 gal. drawdown Tank w/ 1-1/4" Ball Valve Assy. 5591203	55-1/2" H x 24-1/4" D (141.0 cm. x 61.6 cm.)	87 lbs. (39.5 kg.)



Storage tanks feature
1/4" to 1-1/4"
NPT female connections that
make installation easy.



Product Selection and 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. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

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3M Purification Inc.
400 Research Parkway
Meriden, CT 06450

Phone 1-866-990-9785
WW 1-203-237-5541
Fax 1-203-238-8701
Web 3Mfoodservice.com

Clear things up at 3MFoodService.com

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