

3M™ Water Filtration Products
for foodservice

3M™ ScaleGard™ High Flux Reverse Osmosis System

Like nothing else.

Get the filtration power you need
in a compact, modern design to help
protect expensive equipment from
mineral scale buildup and corrosion.
This system features a high water
efficiency rate and easy installation —
all at a surprisingly affordable price.



Impressively powerful. Incredibly efficient.

3M™ ScaleGard™ High Flux Reverse Osmosis System

The Challenge:

Most reverse osmosis systems waste a tremendous amount of water to generate a single gallon of RO water. They can be complicated to install and require expensive water softening equipment to maximize efficiency.



The Solution:

The ScaleGard High Flux reverse osmosis system features high water efficiency and production rates while delivering quality water for great tasting hot or cold beverages. High efficiency is achieved without the use of flow controls during installation.

Introducing the best combination of value, capacity, compact size and water efficiency rate. This powerful reverse osmosis system is the innovative solution coffee shop and restaurant owners have been waiting for with features like precision TDS blending and monitoring — especially at its attractive price.



Easy? Yes,
Please



Easy-to-install and easy-to-service with easy to navigate modern display menu.

Second-to-None
Game changing industry-leading

77%
water efficiency.*

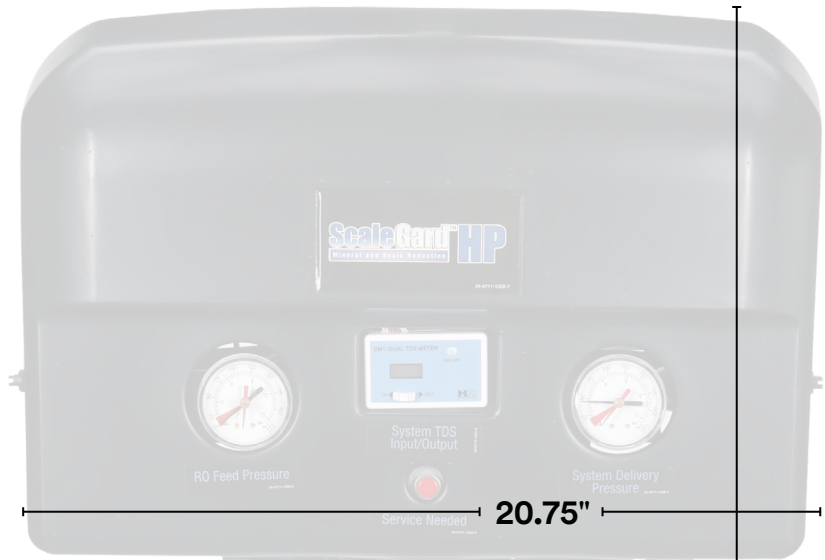
Performance that Protects



NSF certified and helps protect valuable equipment from scale build-up and costly repairs.

Existing

**3M™ ScaleGard™
HP Reverse
Osmosis System**



20.75"

34"

New

**3M™ ScaleGard™ High Flux
Reverse Osmosis System**



16"

14.5"

Big performance. Compact design.

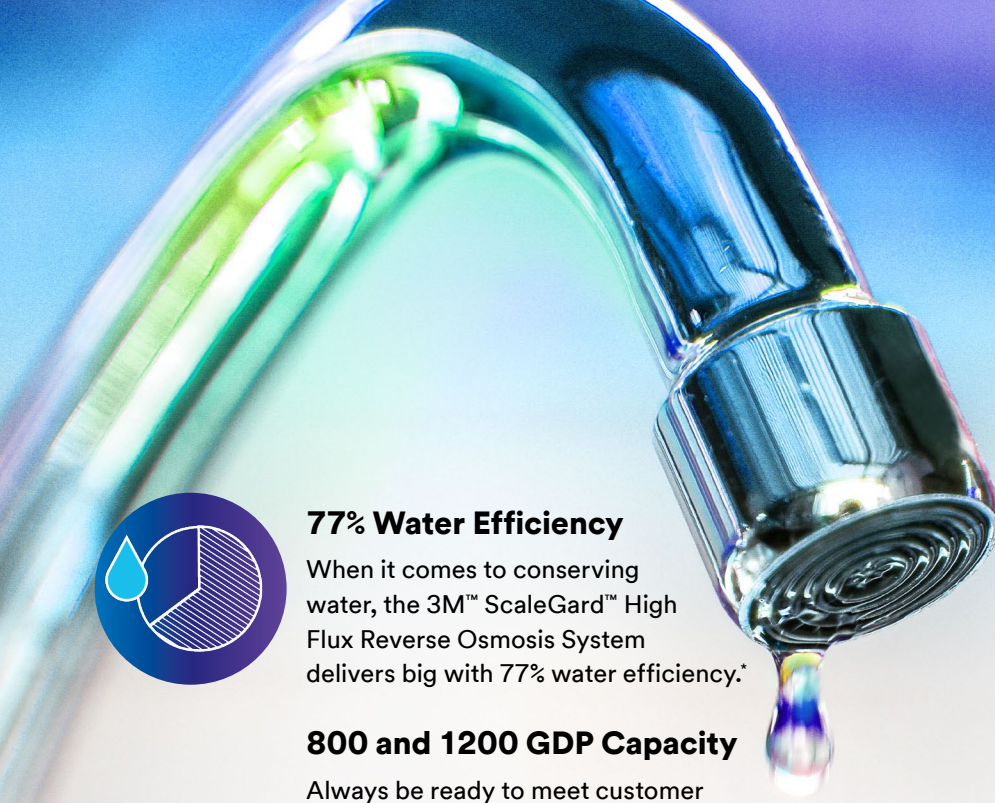
See how our new system stacks up.

At under half the height and a smaller width compared to the ScaleGard HP reverse osmosis system, the ScaleGard High Flux reverse osmosis system offers a space-saving compact design.



A reverse osmosis revolution.

The 3M™ ScaleGard™ High Flux Reverse Osmosis System is here to lead the way in so many ways.



77% Water Efficiency

When it comes to conserving water, the 3M™ ScaleGard™ High Flux Reverse Osmosis System delivers big with 77% water efficiency.*



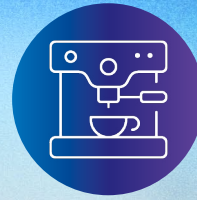
800 and 1200 GPD Capacity

Always be ready to meet customer demand. The ScaleGard High Flux reverse osmosis systems are available in two base models**, delivering 800 (single membrane) and 1200 (dual RO modules) GPD. The 800 GPD is also expandable to 1200 GPD to meet expanding water demand needs.



Value

Don't let its reasonable cost fool you; the ScaleGard High Flux reverse osmosis system is a premium product with premium performance to match. It even has a built-in pump, eliminating the need to purchase one, and it comes with an auto bypass kit. Upgrade and get more benefits in a smaller design at an affordable price.

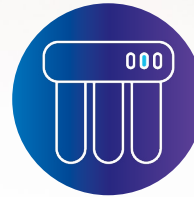


Precision TDS Blending Capability

If you've ever enjoyed an amazing-tasting cup of coffee or espresso, it's likely the coffee shop or restaurant it came from was using water with a certain amount of total dissolved solids (TDS) blended in. The ScaleGard High Flux reverse osmosis system gives you exactly that — precision TDS blending capability — so your drinks can be amazing too.

Compact Size

They say big things come in small packages, and when it comes to the ScaleGard High Flux reverse osmosis system, it couldn't be truer. In any coffee shop or restaurant, space is at a premium. At just 16 inches high, this system can fit almost anywhere and save valuable real estate.



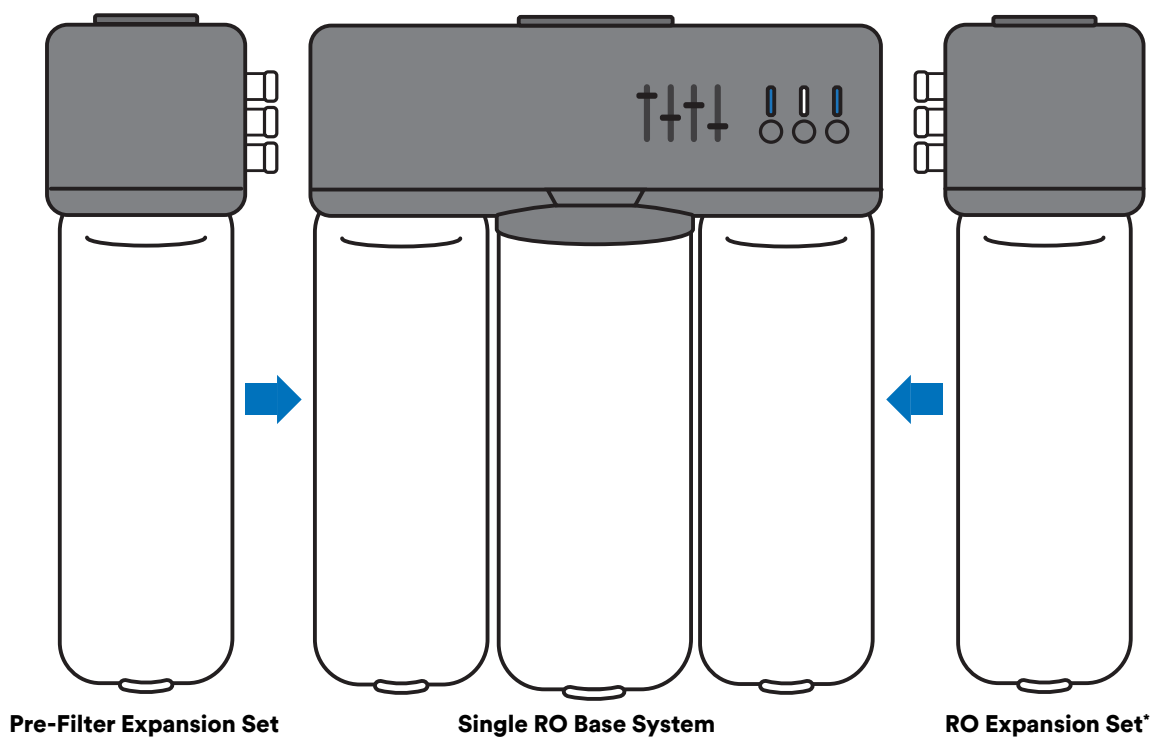
*3M ScaleGard High Flux Reverse Osmosis System HFRO-F810 (800 GPD). Efficiency rate achieved without a water softener.

**Nominal production rate of membrane when running to atmosphere (i.e., with empty tank) at 77° F and 60 PSI is 800 gallons/day (3028 liters/ day) and 1200 gallons/day (4542 liters/day). Water efficiency and production vary based on pressure (fullness) of storage tank, incoming water pressure and temperature.



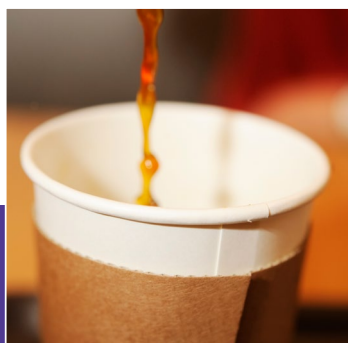
Expandable, adaptable and adjustable.

Throughout your operation, the 3M™ ScaleGard™ High Flux Reverse Osmosis System is engineered to evolve with your changing water quality and capacity needs.



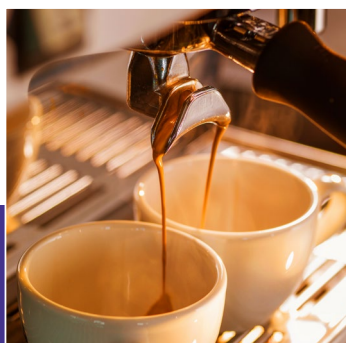
The Solution for Steam

Reduce the scale that can build-up in combi-ovens, hamper machine performance and lead to costly maintenance and shortened machine life.



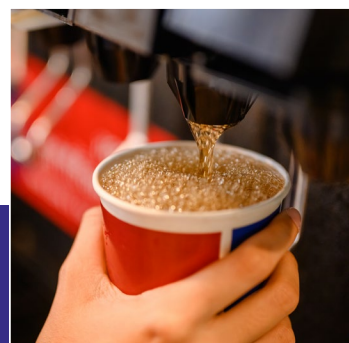
Tasty Coffee

Reduce sediment, particles and chlorine taste and odor to help ensure your coffee is as good as it can be.



Excellent Espresso and Coffee

Deliver water to your machines with the precise blend of total dissolved solids (TDS) you need to create ideal flavor profiles.



Beautiful Beverages

Reduce particulate, chlorine taste and odor, and more to help ensure your cold beverages taste as they should.

Featured Products:

3M™ ScaleGard™ High Flux Reverse Osmosis System HFRO-F810

Ideal for most foodservice applications (steamers, coffee, espresso, combi-ovens) requiring RO water with low TDS.



3M™ ScaleGard™ High Flux Reverse Osmosis System HFRO-F1210

Ideal for higher water demands to refill the storage tank faster and reduce pump runtimes.



Requires a storage tank (sold separately).

Product Specifications:

Systems

Finished Goods SKU	SAP ID	Model Name and Number	Description	Electrical	Certifications	Reduction Claims
XA003902591	7100325927	3M™ ScaleGard™ High Flux Reverse Osmosis System HFRO-F810 (US/Canada – Plug Type B)	Single RO System with install and auto bypass kits	110V	NSF 42, 53, 58*, 372 CSA B483.1	Chlorine, Taste, Odor, Particulate, Cyst, TDS, Bacteria**
XA003902583	7100325928	3M™ ScaleGard™ High Flux Reverse Osmosis System HFRO-F1210 (US/Canada – Plug Type B)	Twin RO System with install and auto bypass kits	110V	NSF 42, 53, 58*, 372 CSA B483.1	Chlorine, Taste, Odor, Particulate, Cyst, TDS, Bacteria**

Replacement Filters

Finished Goods SKU	SAP ID	Model Name and Number	Description	Electrical	Certifications	Reduction Claims
XA003902542	7100325929	3M™ ScaleGard™ High Flux Reverse Osmosis Replacement Pre-Filter SG-HFRO P10-SI (USAC)	Replacement Cartridge, Pre-filter	N/A	NSF 42, 53, 372 CSA B483.1	Chlorine, Taste, Odor, Particulate, Cyst, Bacteria**
XA003902534	7100325931	3M™ ScaleGard™ High Flux Reverse Osmosis Replacement Membrane SG-HFRO M18 (USAC)	Replacement Cartridge, RO	N/A	NSF 58*	TDS

Add-ons

Finished Goods SKU	SAP ID	Model Name and Number	Description	Electrical	Certifications	Reduction Claims
XA003902567	7100325930	3M™ ScaleGard™ High Flux Reverse Osmosis Pre-Filter Expansion Kit, SG-HFRO P10-SI EXP	Add-on Pre-Filter	N/A	NSF 42, 53, 372 CSA B483.1	Chlorine, Taste, Odor, Particulate, Cyst, Bacteria**
XA003902559	7100325932	3M™ ScaleGard™ High Flux Reverse Osmosis System Membrane Expansion Kit, SG-HFRO M18-EXP	Add-on RO Membrane	N/A	NSF 58*	TDS

*Tank 5598408 (20 gal) or 5598409 (40 gal) required for NSF 58 certification; Sold separately.

**Tested and verified with *E. coli* ATCC (112299) by manufacturer's laboratory.

Replacement Parts

Spare Part SKU	SAP ID	Spare Part Description
XA-0039-0283-1	7100336945	SG-HFRO Install Kit
XA-0039-0284-9	7100336944	SG-HFRO Auto Bypass Kit
XA-0039-0285-6	7100336946	Replacement Pump Assembly for HFRO-F810
XA-0039-0286-4	7100336953	Replacement Pump Assembly for HFRO-F1210
XA-0039-0287-2	7100336947	SG-HFRO Port Caps Set
XA-0039-0288-0	7100336949	SG-HFRO Connector Set
XA-0039-0289-8	7100336948	HFRO F810 Solenoid Valve Set
XA-0039-0290-6	7100336950	HFRO F1210 Solenoid Valve Set
XA-0039-0291-4	7100336955	SG-HFRO Pressure Switch Set

Spare Part SKU	SAP ID	Spare Part Description
XA-0039-0292-2	7100336951	SG-HFRO System Door Assembly
XA-0039-0293-0	7100336906	SG-HFRO System Dual TDS Probe Set
XA-0039-0294-8	7100336905	SG-HFRO Pre-Filter Head Assembly (A3 Key)
XA-0039-0295-5	7100336907	SG-HFRO Reverse Osmosis Head Assembly (A5 Key)
XA-0039-0296-3	7100336954	SG-HFRO System PCB Main Assembly
XA-0039-0297-1	7100336908	SG-HFRO System Pressure Gauge Attachment
XA-0039-0298-9	7100336952	SG-HFRO System Check Valve
XA-0039-0299-7	7100336909	SG-HFRO Power Adapter Type B (US/Canada)

Product Selection and Use: Many factors can affect whether a Solventum 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 Solventum 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 Solventum 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: Solventum warrants that this product (excluding filter cartridge or filter membrane) will be free from defects in material and manufacture for the period of one (1) year 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, Solventum 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 Solventum. This warranty does not cover labor. If the Solventum product does not conform to this warranty, then the sole and exclusive remedy is, at Solventum's option, replacement of the Solventum product or refund of the purchase price.

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