



**ELKAY**  
Residential Filtration Solutions



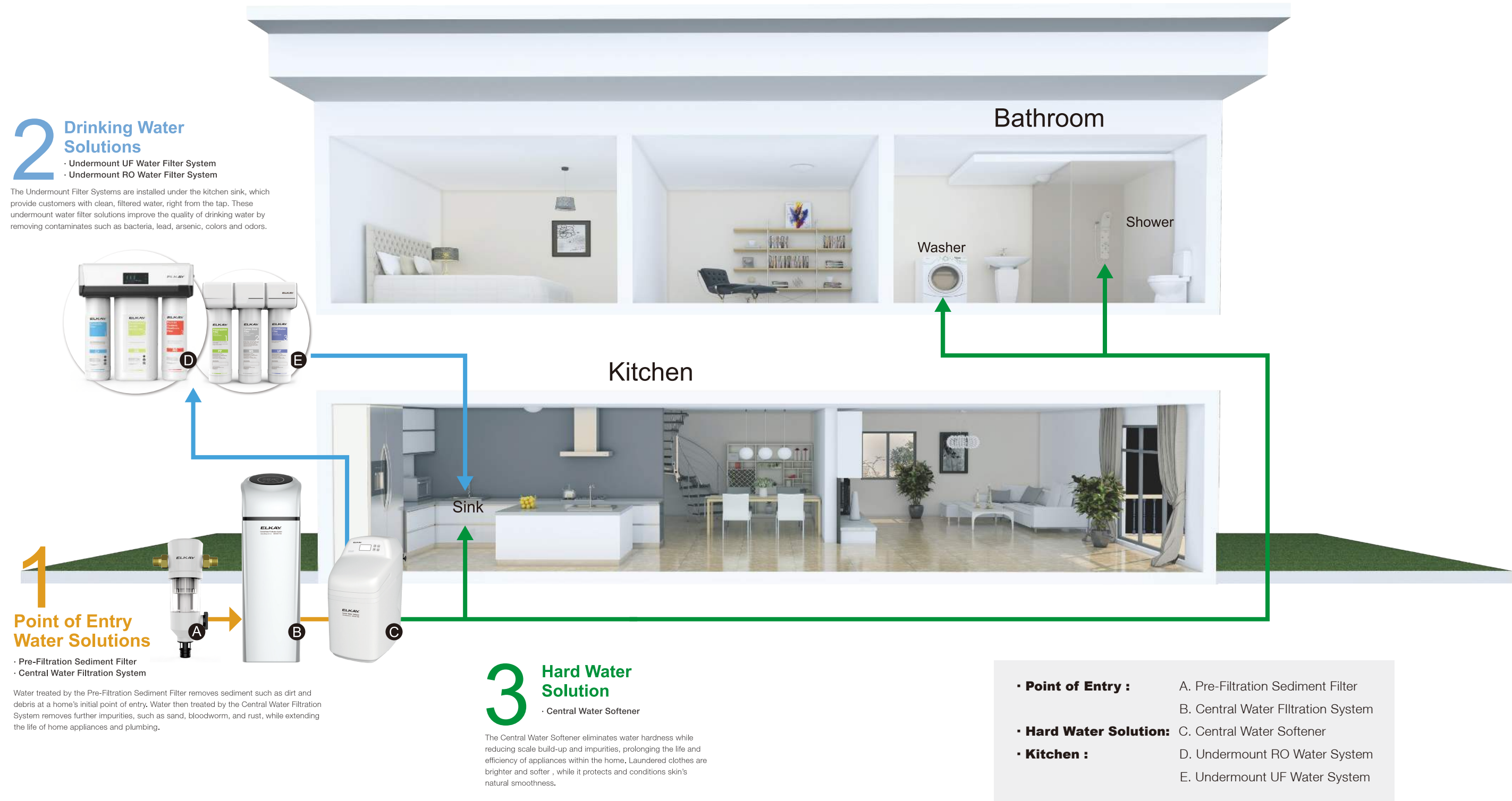
innovating drinking water solutions

# Table of Contents

Elkay Whole House Water Solutions	01
Elkay Technology	03
Point-of-Entry (POE) Solutions	05
- Pre-Filtration Sediment Filter	06
- Central Water Filtration System	07
Hard Water Solution	09
- Central Water Softener	09
Point-of-Use (POU) Drinking Water Solutions	11
-Undermount	
- Reverse Osmosis (RO) System	12
- Ultra Filtration (UF) System	15
Faucet	18

# Elkay Whole House Water Solution

With more than a century of trusted experience in water treatment solutions, Elkay provides customers with safe, professionally-treated drinking water aimed to suit every possible household need. Clean water is sustainably available through the use of Elkay's products with innovative water purification technology, high efficiency and outstanding product quality.



## Elkay Technology

*Enjoy clean and safe drinking water with your family*

### Clean



#### Quick Connect Locking System

It is easy for users to install the filter cartridge, just insert and 1/4-turn the filter cartridge. The water automatically shuts off when filter cartridge is detached.



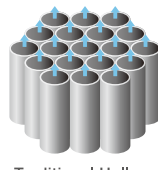
#### Vacuum Sealed Filter Cartridge

The vacuum seal prevents the filter from any secondary contamination during transportation and storage.

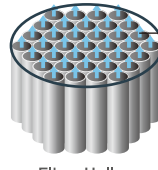
### Efficient



Adapted high quality hollow fiber membrane



Traditional Hollow Fiber Membrane

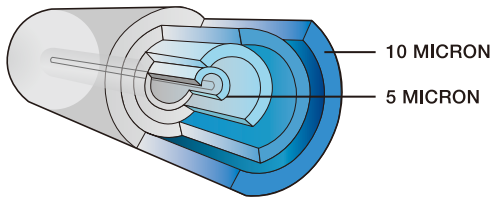


Elkay Hollow Fiber Membrane

Enlarges the filtering area by increasing the number of filaments.

Utilizing an efficient hollow fiber membrane, the Elkay hollow fiber membrane is made up of smaller filaments than usual, thereby increasing the filtering area for better filtering efficiency and durability.

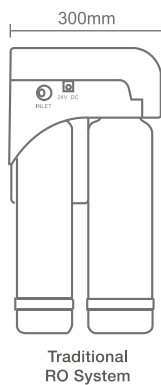
### Long-lasting



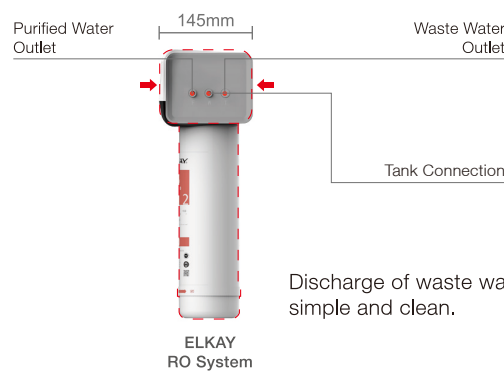
The PP filter is characterized by its dense inside and loosening outside with better filtering capacity and durability.

### Space-saving

**SUPER THIN** Slim body design, less space consumed.



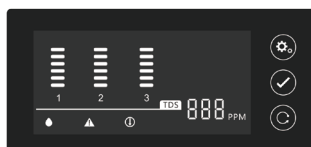
Traditional RO System



ELKAY RO System

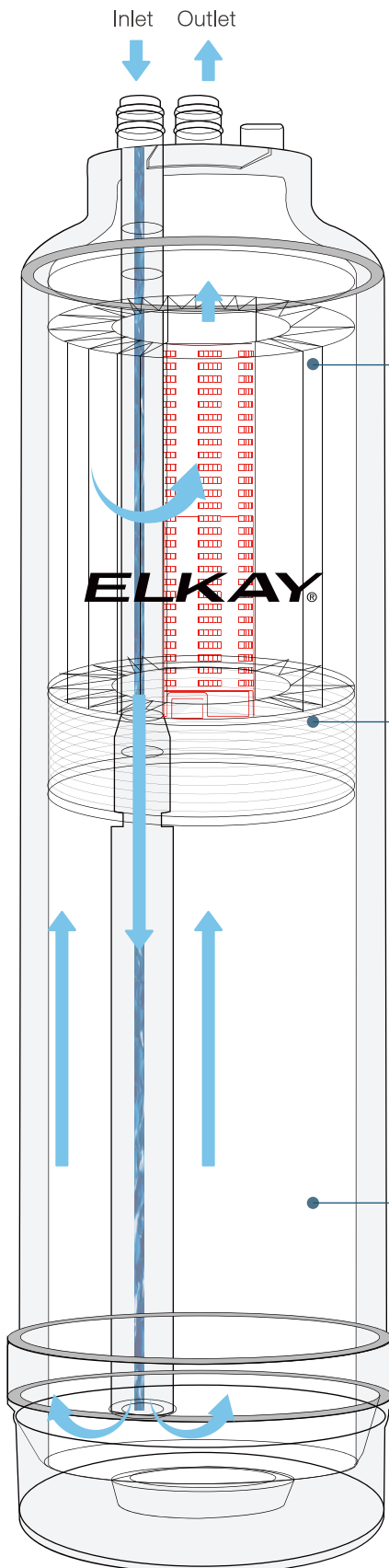
Discharge of waste water on the side of manifold, simple and clean.

### Smart



- TDS Indicator, Filter Monitor instantly notifies the user when the filter needs to be replaced.
- LED touch-panel operation

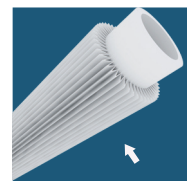
## ELKAY EXCLUSIVE COMPOUND FILTER TECHNOLOGY



### Microporous Membrane Filter

The composite membrane material and design combine pre filtering and fine filtering capabilities for superior filtration. Contaminants are unable to pass through the membrane surface, thus removing up to 99%+ of dissolved salts (ions), VOCs, heavy metals, particles, organics, and bacteria from the water.

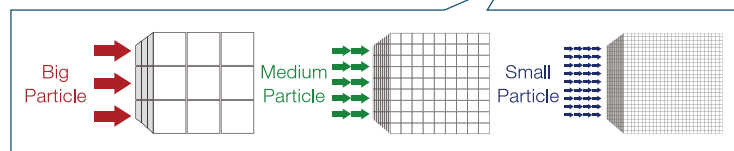
1



### Graded Density Filter

The special gradient filter is characterized by its dense inside and loose outside with the high-flow filtering capacity, which removes further impurities such as rust, sand, worm eggs, etc.

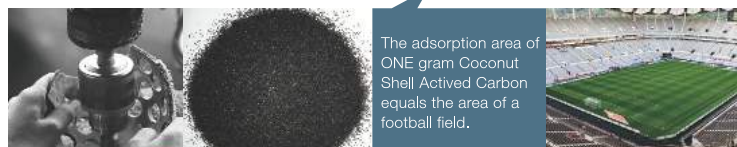
2



### Coconut Shell Activated Carbon

Made through a series of carbonization, activation, and refined processing, the activated carbon has high-filtering efficiency and durability.

3



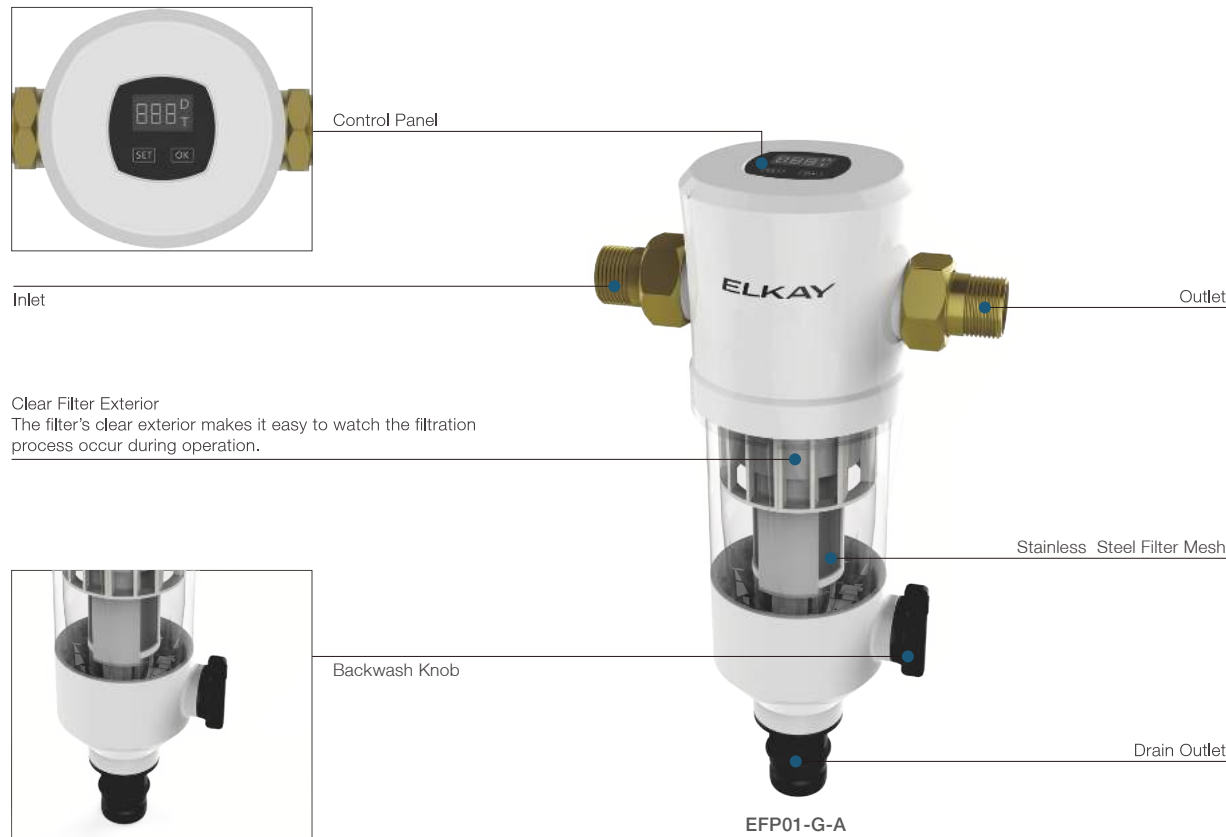
The adsorption area of ONE gram Coconut Shell Activated Carbon equals the area of a football field.





## Point-of-Entry (POE) Solutions

Pre-Filtration Sediment Filter



\* Recommended use with the Central Water Filtration System (EFC1150D-A and EFC1150D-B) and Central Water Softener (ESR3100D-A).

MODEL #	Water Inlet and Outlet Thread	Product Filtration Accuracy	Flow Rate	Filter Material	Technology	Dimensions (mm)
EFP01-G-A	19,05mm	50 micron	50L/min	Stainless Steel Mesh	Back Wash	(L) 140* (W) 95* (H) 318



## Central Water Filtration System

---

The Central Water Filtration System offers a new solution that allows you to experience the benefits of filtered water throughout your entire home with no maintenance or filters to replace. It features a multi-layered media bed that filters sediment, chlorine and other undesirable elements from your water supply.



**Elegant and streamlined design**

Removes residual chlorine, odors, TOC, synthetic detergent, and heavy metals

- Automatically flushes, cleans and drains its internal filter.
- The media tank features a safe and healthy food-grade liner.
- With a bypass valve, users can conveniently switch between filtered water and tap water.
- Unlike some other systems, it won't reduce water pressure to your shower and major appliances.

## Central Water Filtration System

---



EFC1150D-A

Utilizing an advanced processor, the Elkay Central Water Filtration System will intercept impurities and suspended solids, making the outlet water clear, odorless and colorless, ensuring that your family is protected from water contamination. With durable filter materials, it provides your family clean, filtered water.

\* Recommended use with the Pre-Filtration Sediment Filter (EFP01-G-A) and Central Water Softener (ESR3100D-A).

MODEL #	Flow Rate	Media	Total Capacity	Dimensions (mm)	Plug Type
<b>EFC1150D-A</b>	25L / min	quartz sand / GAC	40,000L	(L) 297* (W) 416* (H) 1090	A
<b>EFC1150D-B</b>	25L / min	quartz sand / GAC	40,000L	(L) 297* (W) 416* (H) 1090	G

\* Pressure: 0.15-0.4MPa = 1.5-4bar

Temp: 5 C-38 C

## Central Water Softener

As rainwater passes through the earth it picks up certain "hard" minerals such as calcium and magnesium – minerals that will precipitate and clog pipes, and may damage your appliances. One way to remove this "dissolved rock" from your water supply is to install a water softener.



Low Maintenance

Protects Water Appliances

Softens Clothes

Moisturizes and Brightens Skin

Repairs and Strengthens Hair

**The ion-exchange process in a water softener removes hardness, and will lead to:**

- Less spotting on dishes and glassware
- Quicker, easier household cleaning
- Lathers better while using up to 50% less soap
- Whiter, brighter and softer clothes
- Extended life of water-using appliances
- Smoother, softer skin

## Central Water Softener

---



ESR3100D-A

- Multi-Language Selection Mode features five language options including English, Spanish, French and Turkish.
- Compact in size, easy to install and maintain.
- Maintains settings and time in the event of power loss.

\* Recommended use with the Pre-Filtration Sediment Filter (EFP01-G-A) and Central Water Filtration System (EFC1150D-A).

MODEL #	Flow Rate	Media	Power	Cycle Throughput	Dimensions (mm)	Plug Type
ESR3100D-A	16.7L / min	Resin	AC 100-240V / 50Hz-60Hz	2,000L	(L) 312* (W) 480* (H) 591	A

\* Pressure: 0.15-0.6MPa = 1.5-6bar

Temp: 5°C-38°C



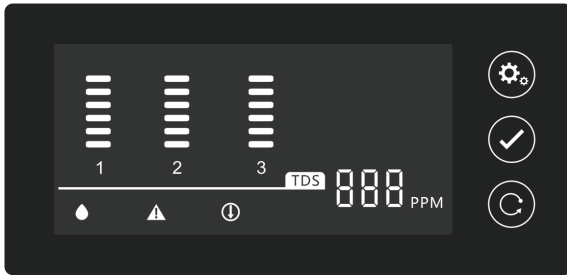


## Point-of-Use (POU) Drinking Water Solutions



## Undermount Reverse Osmosis System

Reverse Osmosis (RO) drinking water systems provide high-quality water for worry-free drinking and cooking. This state-of-the-art filter will improve the quality of water from both private wells and municipal water supplies.



LED

The intelligent water quality indicator shows total dissolved solids (TDS) and monitors the water quality status at all times.

A simple visual indicator shows remaining filter life.

Users are also notified to flush the filter if the machine has not been used for a long period of time.

Standby energy-saving mode extends the operating life of the battery.

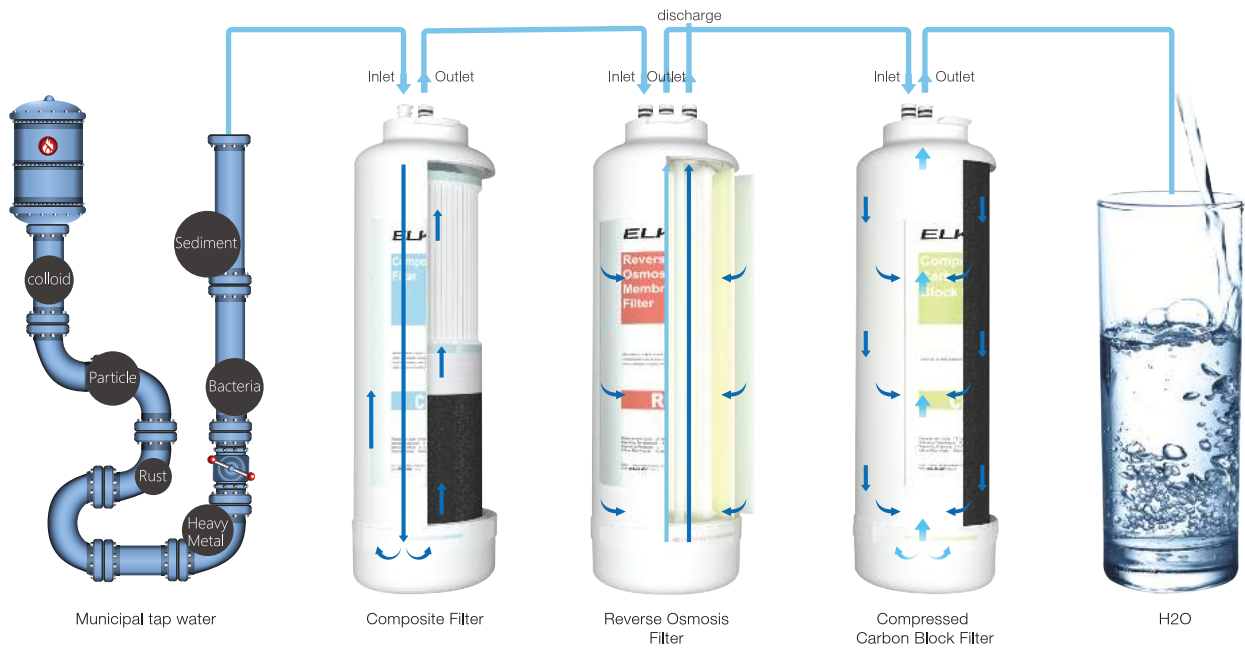


With the patented quick snap design, users can replace the filter cartridge without shutting off the water supply.

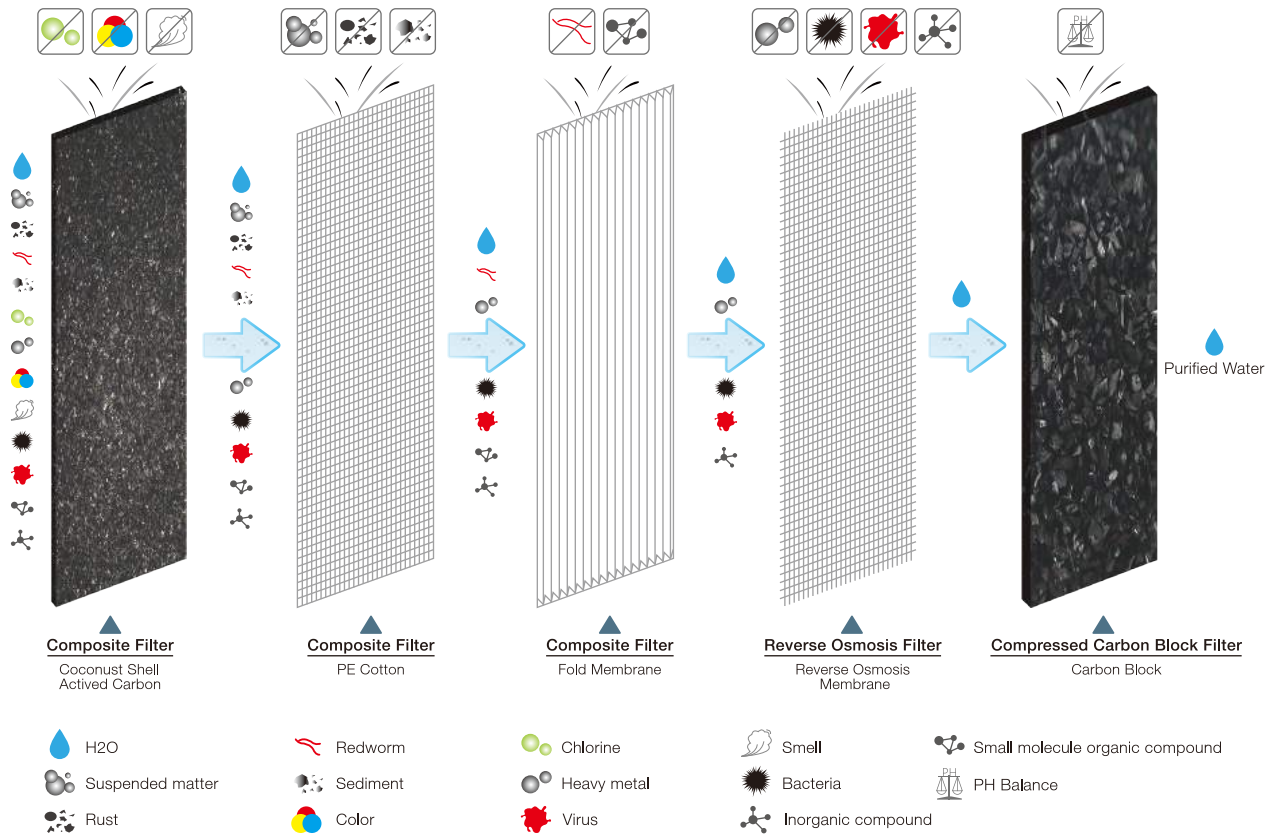
In case of emergencies, the patented ASO module guarantees the machine can provide slow flowing pure water, even when the power is off.

## Undermount Reverse Osmosis System

### Internal water flow diagram



### Level



## Undermount Reverse Osmosis System



- Economical RO System
- Slim design with water storage tank. The capacity of 284 L/Day can easily satisfy daily water consumption.

\* Recommended use with the Stainless Steel Dispensing Faucet (FS33-A)

MODEL #	Flow Rate	Capacity	Storage Tank Dimensions	Media	Power specification	Dimensions (mm)	Plug Type
EFR2075D-A	0.19L / min	284L / Day	Φ251*H358.5mm	CF+RO+CB	Input: 220VAC Output: 24VDC	(L) 407* (W) 145* (H) 436	A
EFR2075D-B	0.19L / min	284L / Day	Φ251*H358.5mm	CF+RO+CB	Input: 220VAC Output: 24VDC	(L) 407* (W) 145* (H) 436	G

\* Produced according to NSF standard.

Pressure: 0.1-0.35MPa = 1-3.5bar

Temp: 5°C-38°C

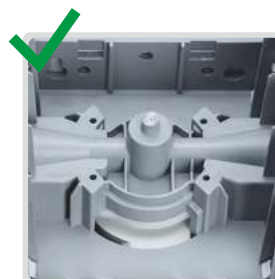
CF: Activated carbon & PP Fiber & PP Membrane(composite) - 6 months

RO: RO membrane - 24 months

CB: Compressed carbon block - 12 months

## Undermount Ultra Filtration System

This advanced 3-Stage Water Filtration System provides your family with clean, safe, great tasting water. Our advanced technology Ultra Filtration Membrane removes many of the same impurities as an RO system with the exception of dissolved inorganic solids (ie - salts such as potassium and sodium) and VOCs - making it ideal for areas with low TDS water. Also, this system does not require a separate storage tank or electricity to operate.



ELKAY One-Take Inner Water Pipe



Traditional Inner Water Pipe

### One-Take Inner Water Pipe

The once-shaping inner water pipe can efficiently avoid leaking and any secondary pollution.



### Quick Connect Locking System

It is easy for users to install the filter cartridge, just insert and 1/4-turn the filter cartridge. The water automatically shuts off when filter cartridge is detached.

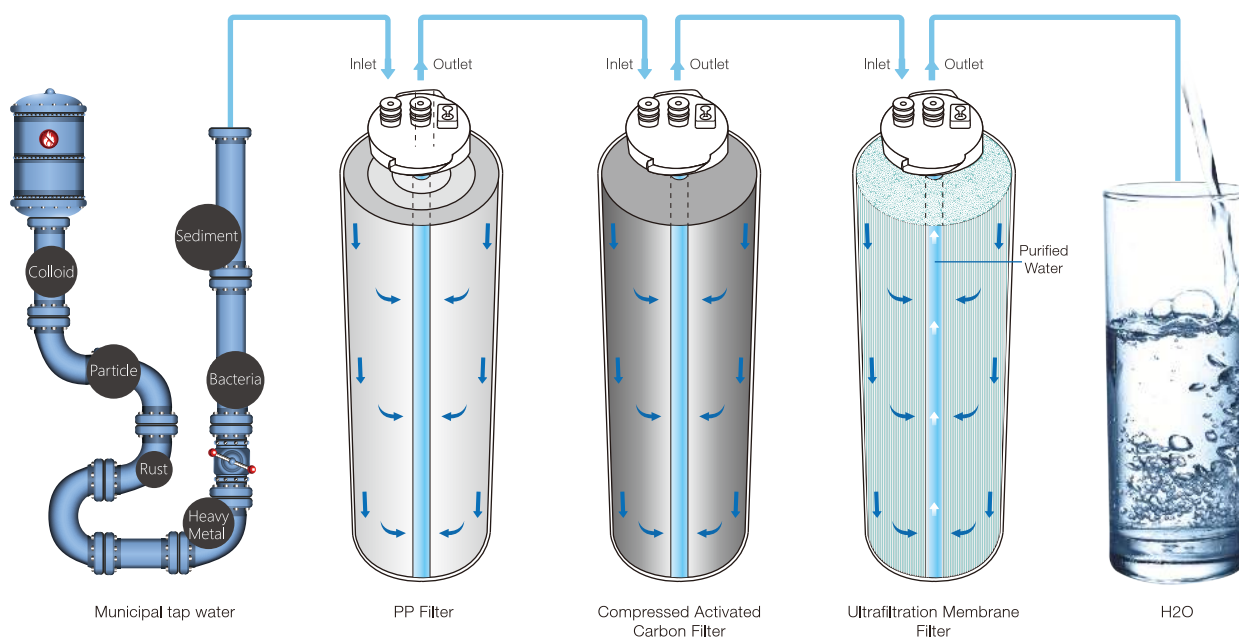


### Filter Bottle Vacuum Design

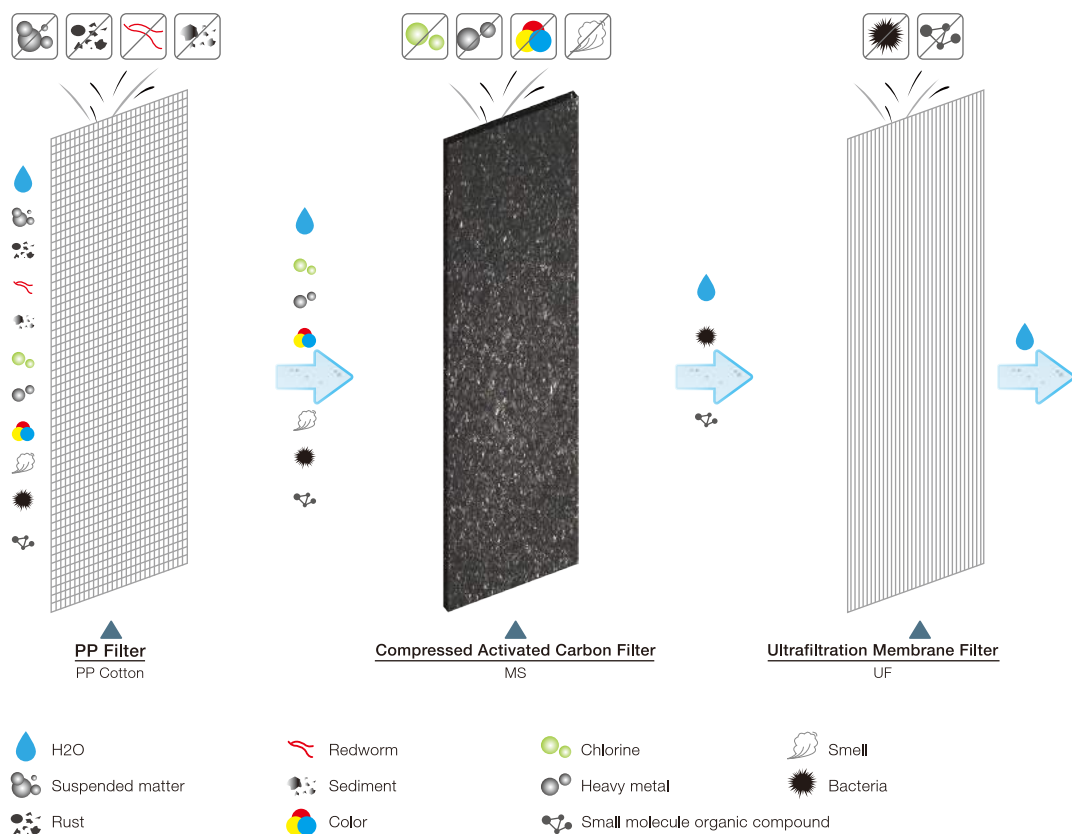
The vacuum design prevents the filter from any secondary pollution in transportation, storage and installation.

## Undermount Ultra Filtration System

### Internal water flow diagram



### Filtering level





Undermount Ultra Filtration System



EFU23-A

\* Recommended use with the Stainless Steel Dispensing Faucet (FS33-A).

MODEL #	Flow Rate	Filter configuration	LCD	Dimensions (mm)
EFU23-A	1.5L / min	PP + MS +UF	–	(L) 360* (W) 132* (H) 397

\* Pressure: 0.2-0.6MPa = 2-6bar  
Temp: 5°C-38°C  
Recommended Filter Life Time: PP - 3 months; MS - 6 months; UF - 24 months



**Faucet**

Faucet

---

- Type 304 stainless steel faucet body and waterway, no-lead material.
- Smooth waterway avoids scaling and prevents bacteria growth.
- Equipped with quick adaptor for easy installation.



FS33-A

\* Recommended use with the undermount Point-of-Entry filtration systems (EFU23-A, EFR2075D-A and EFR2075D-B)

MODEL #	Finish	Material	Dimensions (mm)
FS33-A	Satin	Type 304 Stainless Steel	(L) 283* (W) 142* (H) 83

\* Faucet size: Faucet Height \* Water Nozzle Height \* Span

## NOTES:

[illegible]



Chicago • Shanghai • Zhuhai • Mexico City • Dubai • Singapore • Amsterdam

Corporate Headquarters  
2222 Camden Court  
Oak Brook, Illinois 60523, USA  
International Customer Care  
+1 630-575-4755  
intlcare@elkay.com  
elkay.com/international

INTL-4724 (04/17)