



# Water Treatment

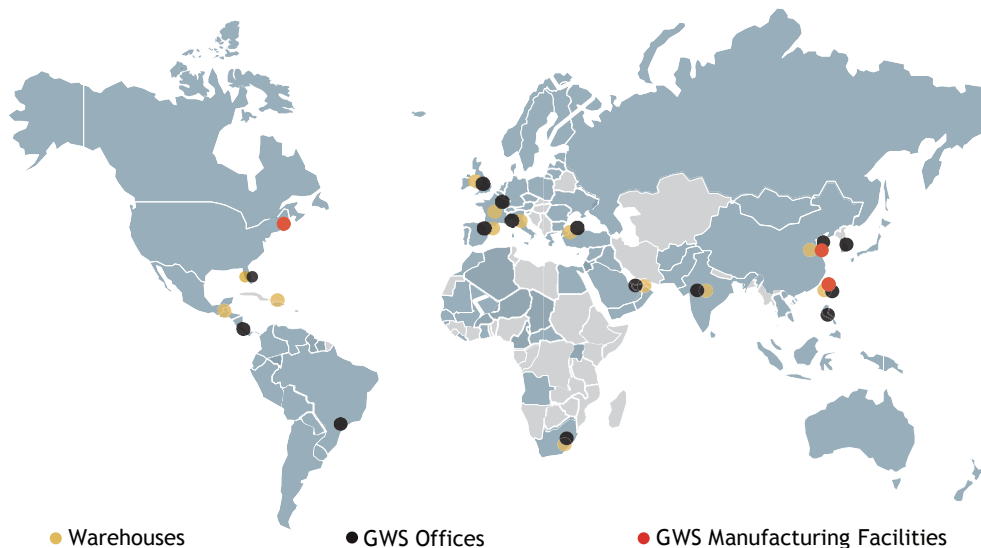




Global Water Solutions USA LLC (GWS USA) is an affiliated company of Global Water Solutions (GWS), one of the world's largest pressure tank and water treatment component manufacturers. Headquartered in Bradenton, Florida, GWS USA was founded to warehouse and supply high quality, affordable products to North America, Central America, Mexico, and the Caribbean.

GWS' water treatment range includes a comprehensive, well-known line of RO storage tanks and composite retention tanks, as well as innovative and reliable housings, filters, and media cartridges for domestic and commercial applications. All GWS components and systems are manufactured from the highest quality materials and undergo rigorous testing.

GWS has built a global reputation for creating adaptable and durable solutions to help address the increasing demand for safe and abundant drinking water. The company continues to expand its operations and product range to meet customer needs worldwide.



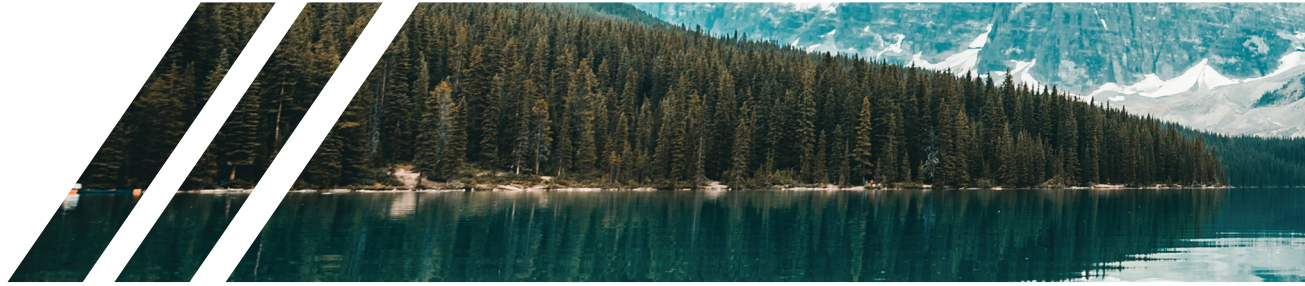


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# RO Storage Tanks



PA-E<sup>®</sup> & TankPAC<sup>®</sup> reverse osmosis tanks are the industry leaders when it comes to purified water storage. Constructed from the finest FDA approved materials available, the tanks incorporate a water storage chamber assembled with a virgin polypropylene liner, high-grade butyl diaphragm and patented stainless steel water connection. Every diaphragm is post-cured to remove any elements that can impart odor and taste. This ensures zero secondary contamination and maintains the pure, clean water from the RO system.

## Features

- Patented stainless steel water connection
- High-grade butyl diaphragm
- Virgin polypropylene liner
- Smooth internal construction prevents diaphragm abrasion damage
- Leak-free O-ring sealed air valve cap
- Two-part epoxy primer, polyurethane paint finish
- Comprehensive testing
- NSF58, CE approved
- Maintenance-free

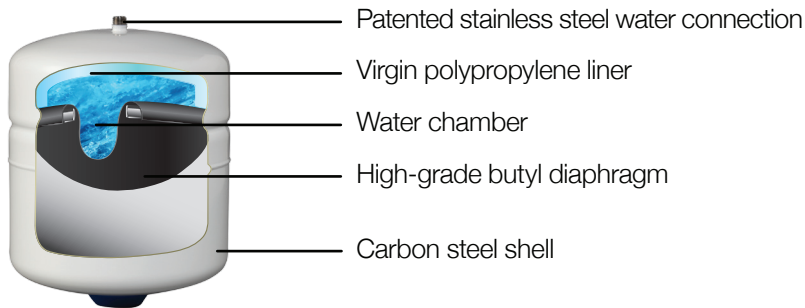




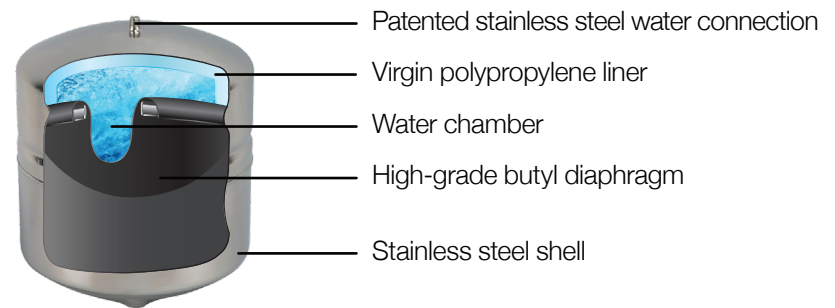
**TankPAC**

# RO Storage Tanks

## Carbon Steel Tank



## Stainless Steel Tank



### Specifications

Materials	Carbon steel tank Polyurethane & epoxy paint finish 100% Chlorobutyl diaphragm Virgin polypropylene liner
Volume	0.5 - 40 gal   2 - 150 L
Connection	0.5 - 14 gal: 1/4" NPT 14 - 40 gal: 1" BSPP*
Maximum working pressure	100 psi   7 bar
Maximum operating temperature	122°F   50°C
Factory pre-charge	6 psi   0.4 bar

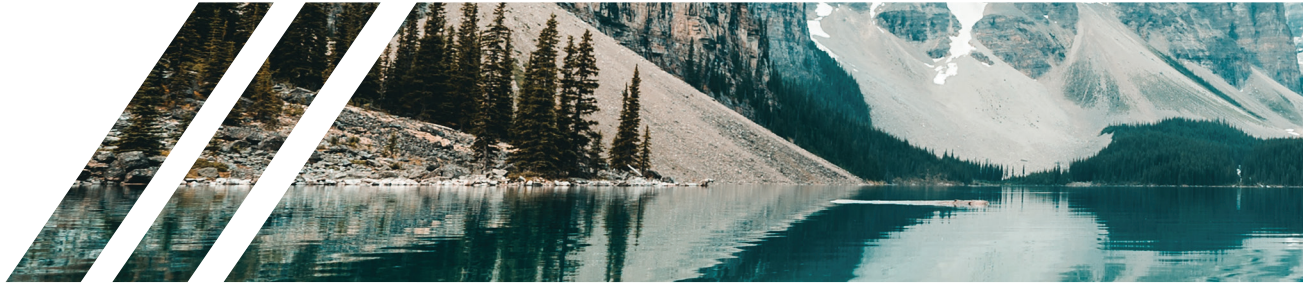
### Specifications

Materials	Stainless steel tank 100% Chlorobutyl diaphragm Virgin polypropylene liner
Volume	2 and 4.8 gal   8 and 18 L
Connection	1/4" NPT
Maximum working pressure	100 psi   7 bar
Maximum operating temperature	122°F   50°C
Factory pre-charge	6 psi   0.4 bar

\*1" BSPP supplied with 3/8" ball valve & extension pipe, 14 & 20 gal also available in 3/4" NPT

# TankPAC

## Plasteel™ RO Storage Tanks

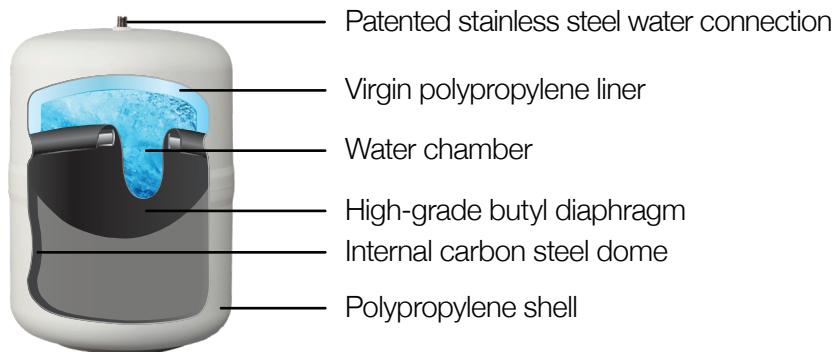


### Revolutionary Product

Plasteel™ RO tanks are constructed with a high-grade steel tank encased in a rugged polypropylene shell. The patented Plasteel™ shell creates an impenetrable layer of protection that shields the internal steel tank from dents and scratches, and eliminates the risk of external corrosion. The internal steel tank offers greater pressure resistance than other plastic tanks found in the market. The lower molecular porosity of steel also eliminates air pressure loss.



### Patented Design & High-Grade Materials



### Specifications

Materials	Steel tank with polypropylene shell 100% Chlorobutyl diaphragm Virgin polypropylene liner
Volume	3.2, 4.2, and 5 gal   12, 16, and 19 L
Connection	1/4" NPT
Maximum working pressure	100 psi   7 bar
Maximum operating temperature	122°F   50°C
Factory pre-charge	6 psi   0.4 bar



# TankPAC

## RO Storage Tanks

### Maintenance-Free



PA-E<sup>®</sup> & TankPAC<sup>®</sup> reverse osmosis tanks are built with sealed brass air valves and O-ring sealed air valve caps to ensure leak-free air chambers. This means no more checking air precharge and makes the full range of reverse osmosis tanks maintenance-free.

With regards to structural integrity, deep-drawn steel domes and precision weld seams give PA-E<sup>®</sup> & TankPAC<sup>®</sup> reverse osmosis tanks unparalleled reliability.

PA-E<sup>®</sup> & TankPAC<sup>®</sup> reverse osmosis tanks are quality tested at multiple stages in the production process to ensure the structural integrity of every tank.

### Accessories

#### 3/8" Ball Valve with 1" Connection Tube



Available with 14-40 gal | 60-150 L RO tanks

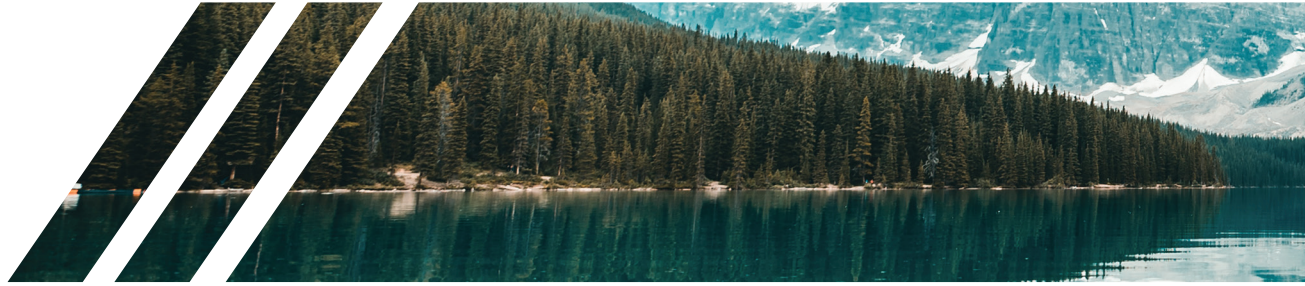
#### Dual-Use Plastic Base

The dual-use X plastic base not only protects the connection during transport but also ensures that the tank is protected from wear during use.

Available with 3.2-5.6 gal | 12-21 L RO tanks



# FWRO Composite RO Storage Tanks



FWRO composite tanks flaunt a seamless polypropylene liner that eliminates top and bottom leak issues, as well as stainless steel reinforcing rings that back up all threaded openings. Injection molded domes increase shape consistency and strength while wetted surfaces made of high-quality polypropylene add zero taste or odor. Continuous wound fiberglass and a high-temperature epoxy resin external shell eliminate corrosion.

## Features

- Maintenance-free
- Lightweight, non-corrosive, scratch-resistant construction
- Seamless spun welded inner shell
- 500% burst safety factor
- NSF Standard 61, CE/PED, WRAS, ACS, ISO:9001 approved
- Brass with rubber O-ring seal air valve
- Precision molded rigid PVC bottom fittings



## Specifications

Materials	Wound fiberglass and epoxy resin shell Polypropylene base 100% Chlorobutyl diaphragm
Volume	15, 22, 40, 80, and 119 gal 57, 83, 151, 303, and 450 L
Connection	NPT male thread, rigid Sch. 80 PVC
Maximum working pressure	125 psi   8.6 bar
Factory pre-charge	20 psi   1.4 bar



# Purefer<sup>®</sup>

## Filter Housings



Purefer®

# Filter Housings

## 10" Standard Series



### Features

- 100% virgin materials - polypropylene or acrylonitrile styrene (AS)
- No talc or other chemicals added ensuring housings are sterile and hygienic
- No injection molding releasing agents used in manufacturing
- Patented lip seal with single recess top mounted O-ring design prevents O-ring pinching and leaks
- Side mounted O-ring groove for optional second O-ring
- Built-in pressure relief / air bleed button (optional)
- Various cap design and connection size options
- Compatible with multiple filter cartridge types

### Specifications

Materials	O-ring: Buna-N Cap: 100% virgin polypropylene Sump: 100% virgin polypropylene / AS (clear)*
Dimensions	2.5 x 10" (9 <sup>7</sup> / <sub>8</sub> " or 9 <sup>3</sup> / <sub>4</sub> "
Connection	1/4", 3/8", 1/2", and 3/4"
Color	Various
Minimum temperature	40°F   4.4°C
Maximum temperature	104°F   40°C
Maximum pressure	Polypropylene: 125 psi   8.6 bar AS (clear): 100 psi   6.9 bar

\*NSF certification listing not applicable for AS (clear) housings except for model H06-2C-WC



Patented lip seal prevents leaks



Multiple counting bolt configurations



Recess mounted top O-ring design



Flat cap design (1/4" & 3/8" connection cap)



Housing cap with optional relief valve (1/2" & 3/4" connection cap only)



Round cap design (1/4" & 3/8" connection cap)



# Purefer<sup>®</sup>

## Filter Housings

### 20" Standard Series

## Features

- 100% virgin materials - polypropylene or acrylonitrile styrene (AS)
- No talc or other chemicals added ensuring housings are sterile and hygienic
- No injection molding releasing agents used in manufacturing
- Single recess top mounted O-ring design prevents O-ring pinching and leaks
- Side mounted O-ring groove for optional second O-ring
- Built-in pressure relief / air bleed button (optional)
- Equipped with filter cartridge centering plug to ensure zero bypass

## Specifications

Materials	O-ring: Buna-N Cap: 100% virgin polypropylene Sump: 100% virgin polypropylene / AS (clear)*
Dimensions	2.5 x 20"
Connection	3/8", 1/2", and 3/4"
Color	Various
Minimum temperature	40°F   4.4°C
Maximum temperature	104°F   40°C
Maximum pressure	Polypropylene: 125 psi   8.6 bar AS (clear): 100 psi   6.9 bar

\*NSF certification listing not applicable for AS (clear) housings



Housing cap with pressure relief valve (PRV)



Removable filter cartridge centering plug



Filter cartridge centering plug at bottom

# Purefer<sup>®</sup>

## Filter Housings

### 10" Jumbo Series



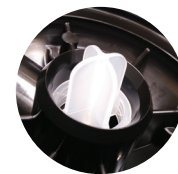
### Features

- 100% virgin materials - polypropylene or acrylonitrile styrene (AS)
- No talc or other chemicals added ensuring housings are sterile and hygienic
- No injection molding releasing agents used in manufacturing
- Single recess top mounted O-ring design prevents O-ring pinching and leaks
- Side mounted O-ring groove for optional second O-ring
- Built-in pressure relief / air bleed button (optional)
- Equipped with filter cartridge centering plug to ensure zero bypass
- Supplied with standard cap mounting bolt kit

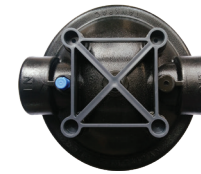


### Specifications

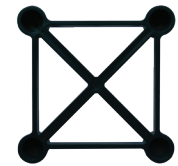
Materials	O-ring: Buna-N Cap: 100% virgin polypropylene Sump: 100% virgin polypropylene / AS (clear)*
Dimensions	4.5 x 10"
Connection	3/4", 1", 1 1/4", and 1 1/2"
Color	Various
Minimum temperature	40°F   4.4°C
Maximum temperature	104°F   40°C
Maximum pressure	Polypropylene: 100 psi   6.9 bar AS (clear): 100 psi   6.9 bar



Removable filter cartridge centering plug



Housing cap mounting bolt hole dimensions



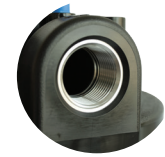
PRV protection plate (for protection during shipment)



Single recess mounted top O-ring



Housing cap with pressure relief valve (PRV)



Optional 1" stainless steel connection

\*NSF certification listing not applicable for AS (clear) housings



Purefer®

# Filter Housings

## 20" Jumbo Series

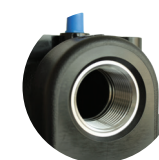
### Features

- 100% virgin materials - polypropylene or acrylonitrile styrene (AS)
- No talc or other chemicals added ensuring housings are sterile and hygienic
- No injection molding releasing agents used in manufacturing
- Single recess top mounted O-ring design prevents O-ring pinching and leaks
- Side mounted O-ring groove for optional second O-ring
- Built-in pressure relief / air bleed button (optional)
- Equipped with filter cartridge centering plug to ensure zero bypass
- Supplied with standard cap mounting bolt kit

### Specifications

Materials	O-ring: Buna-N Cap: 100% virgin polypropylene Sump: 100% virgin polypropylene / AS (clear)*
Dimensions	4.5 x 20"
Connection	¾", 1", 1¼", and 1½"
Color	Various
Minimum temperature	40°F   4.4°C
Maximum temperature	104°F   40°C
Maximum pressure	Polypropylene: 100 psi   6.9 bar AS (clear): 100 psi   6.9 bar

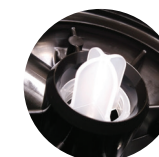
\*NSF certification listing not applicable for AS (clear) housings



Optional 1" stainless steel connection



Housing cap mounting bolt holes



Removable filter cartridge centering plug

# Purefer®

## Filter Housings

### RO Membrane Series



### Features

- 100% virgin polypropylene
- No talc or other chemicals added ensuring housings are sterile and hygienic
- No injection molding releasing agents used in manufacturing
- Minimum burst pressure exceeds 500 psi | 34 bar
- Patented lip seal with single recess top mounted O-ring design prevents O-ring pinching and leaks
- O-ring free of nitrosamines

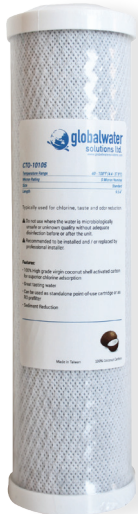
### Specifications

Materials	O-ring: Buna-N Cap: 100% virgin polypropylene Sump: 100% virgin polypropylene
Dimensions	Fits standard size 2" x 12" RO membranes
Connection	1/8" and 1/4" compatible
Color	White
Minimum temperature	40°F   4.4°C
Maximum temperature	104°F   40°C
Maximum pressure	125 psi   8.6 bar



# Purefer®

## Filter Cartridges



# Purefer<sup>®</sup>

## Sediment Filters

### PP Filter Series



### Features

- 100% virgin polypropylene
- Available in 10", 20", 30", 40" standard and jumbo sizes
- Available in 1, 5, 10, 20 micron nominal ratings
- No chemicals are used, meaning zero secondary contamination
- Single nozzle design ensures even material density and optimum filtration efficiency
- Grooved surface option available for 1 & 5 micron rated 10" standard PP filters

### Applications

- Removes sediment, dirt, rust, and other suspended particles
- Reverse osmosis system prefilter
- Prefilter for domestic or commercial water filter systems
- Standalone point-of-entry or point-of-use sediment filtration

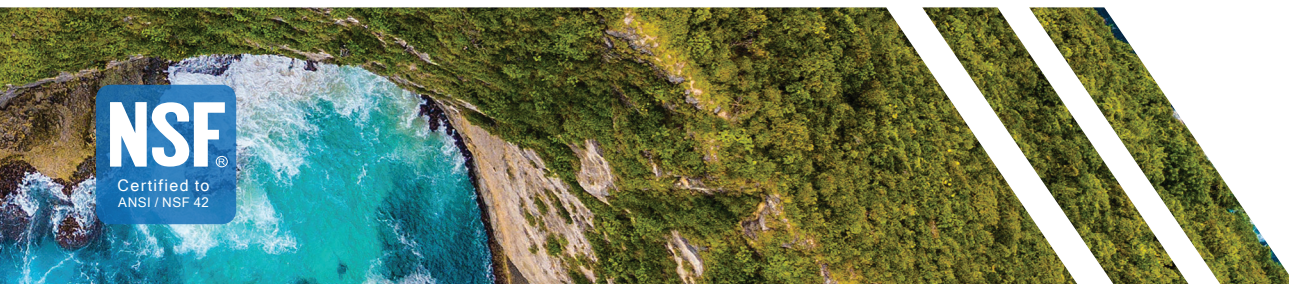
### Specifications

Materials	100% virgin polypropylene					
Dimensions	Series	Length	Width	Series	Length	Width
	10" Standard	10"	2.5"	10" Jumbo	10"	4.5"
	20" Standard	20"	2.5"	20" Jumbo	20"	4.5"
Minimum temperature	40°F   4.4°C					
Maximum temperature	145°F   62.8°C					
Recommended replaceable pressure drop	21 psi   1.5 bar					
Nominal ratings	1, 5, 10, and 20 micron					
Maximum flow speed (depending on model)	5-20 gal/min   19-75 L/min					

\*Results may vary due to feed water quality







Purefer®

# Sediment Filters

## PP Filter Series with End Caps

### Features

- 100% virgin polypropylene
- Available in 10" and 20" standard and jumbo sizes
- Available in 1, 5, 10, 20 micron nominal ratings
- No chemicals are used, ensures zero secondary contamination
- Single nozzle design ensures even material density and optimum filtration efficiency
- Available with single open end (SOE) cap or with plug type cap and O-ring

### Benefits

The precision molded plug type cap with O-ring seal is specially designed for use with Purefer® housings to ensure zero bypass.

### Specifications

Materials	100% virgin polypropylene					
Dimensions	Series	Length	Width	Series	Length	Width
	10" Standard	10"	2.5"	10" Jumbo	10"	4.5"
	20" Standard	20"	2.5"	20" Jumbo	20"	4.5"
Minimum temperature	40°F   4.4°C					
Maximum temperature	145°F   62.8°C					
Recommended replaceable pressure drop	21 psi   1.5 bar					
Nominal ratings	1, 5, 10, and 20 micron					
Maximum flow speed (depending on model)	5-20 gal/min   19-75 L/min					
Recommended lifespan	3 months*					



Purefer®

# BL@CKFREE™ Series

## Activated Carbon Filters



### The World's First Patented Filter that Protects RO Membranes and Faucets

An internal polypropylene post-filter is inserted into the filter cartridge to prevent carbon fines from escaping. Eliminates “carbon black” from water while protecting the RO membrane and faucet from carbon fines, extending RO membrane and faucet life.

### Protects the Safety of Drinking Water with Increased Chlorine Removal Efficiency

Inline Filters and UDF Cartridges are filled with 100% pure coconut shell activated carbon with an iodine number of 1,000 for improved chlorine removal efficiency.

### Highest Quality Materials Ensure Zero Secondary Contamination

- Incorporates bacteria-resistant PET pads instead of foam sponges, thus ensuring drinking water stays pure and uncontaminated
- All parts are sealed using advanced friction welding technology, eliminating the need for glues and adhesives

### Industry's Highest Pressure Rating

- Cartridge body designed to withstand high pressures
- Minimum burst pressure exceeds 500 PSI
- Reduces the risk of damage and/or rupture from water hammer





## High Grade Coconut Shell Activated Carbon

Purefer<sup>®</sup> granular activated carbon filters are filled with high-grade coconut shell carbon. Coconut shell carbon has higher porosity, more surface area, and increased capacity compared to other types of carbon. The high porosity gives coconut shell carbon more adsorption sites which ensure more contaminant loading and increased contaminant reduction.

Coconut shell GAC is ideally used for various water treatment applications such as reducing chlorine concentrations, removal of volatile organic compounds (VOCs) and other contaminants, as well as improving taste and odor.

## Acid Washed Activated Carbon

Purefer<sup>®</sup> GAC carbon filters are also available with acid washed coconut shell activated carbon.

The benefits of acid washed carbon include increased chlorine reduction, better taste, odor reduction, removal of color as well as other organic substances. Acid washed carbon has an even greater internal pore structure, neutral surface, maximum hardness, extended operational life, high volume activity, and rapid pH stabilization.

The increased internal pore structure is achieved by the acid dissolving inorganic compounds such as calcium carbonate, magnesium as well as base metals like copper, zinc, and nickel.

Acid washed carbon is considered to be cleaner than most carbons giving it increased chlorine adsorption capacity and longer life expectancy.

# Purefer®

## Inline Filters

### T33 and K33 Series



### Features

- 100% pure coconut shell activated carbon, no recycled carbon
- All parts are sealed using advanced friction welding technology, eliminating the need for glues and adhesives
- Burst pressure exceeds 500 psi | 34 bar
- Bacteria-resistant PET pads
- Iodine rating of 1,000 for improved chlorine removal efficiency
- 3 media options available: PP sediment filter, GAC or BL@CKFREE™
- Also available with acid washed carbon (1,100 iodine rating)

### Applications

- RO final stage polishing filter
- Refrigerator and ice maker filter
- Water coolers and fountains
- Coffee makers and barista stations
- Under sink applications

### Specifications

Materials	100% virgin polypropylene
Dimensions	T33 10", T33 11" and K33 11"
Minimum temperature	40°F   4.4°C
Maximum temperature	104°F   40°C
Maximum working pressure	125 psi   8.6 bar
Nominal ratings	PP sediment filter: 1 or 5 micron
Maximum flow speed (depending on model)	5-20 gal/min   19-75 L/min

\*Results may vary due to feed water quality





Purefer®

# Inline Filters

## T33 and K33 Quick Connect Series

### Features

- Easy to install and maintenance-free
- Replace the filter in a matter of seconds with our quick-connect tool
- No drips, no hassle
- 100% pure coconut shell activated carbon, no recycled carbon
- All parts are sealed using advanced friction welding technology, eliminating the need for glues and adhesives
- Burst pressure exceeds 500 psi | 34 bar
- Bacteria-resistant PET pads
- Iodine rating of 1,000 for improved chlorine removal efficiency
- 3 media options available: PP sediment filter, GAC or BL@CKFREE™
- Also available with acid washed carbon (1,100 iodine rating)

### Specifications

Materials	100% virgin polypropylene
Dimensions	T33 10", T33 11" and K33 11"
Minimum temperature	40°F   4.4°C
Maximum temperature	104°F   40°C
Maximum working pressure	125 psi   8.6 bar
Micron rating	PP sediment filter: 1 or 5 micron
Maximum flow speed (depending on model)	5-20 gal/min   19-75 L/min
Recommended lifespan	12 months*

\*Results may vary due to feed water quality



# Purefer<sup>®</sup>

## Media Cartridges

### UDF Series



## Features

- 100% pure coconut shell activated carbon, no recycled carbon
- All parts are sealed using advanced friction welding, eliminating the need for glues
- UDF cartridges come with a top mounted thermoplastic gasket, unlike other gaskets made of PVC or natural rubber that can release dioxin and support bacteria growth

- Bacteria-resistant PET pads
- Iodine rating of 1,000 for improved chlorine reduction efficiency
- 2 media options available: GAC or BL@CKFREE™
- Also available with acid washed carbon (1,100 iodine rating)

## Applications

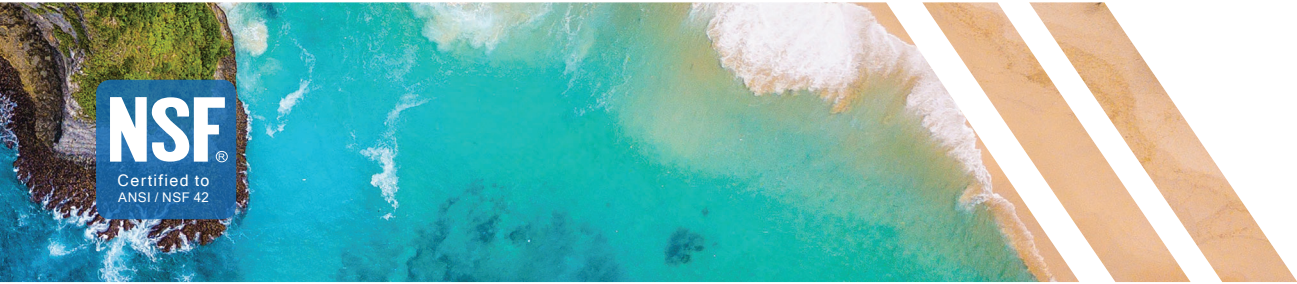
For use in 10" filter housings as a stand-alone water filter or as a prefilter for water purifiers and other water filtration systems.

## Specifications

Materials	100% virgin polypropylene Pure coconut shell activated carbon
Dimensions	10" standard (9 <sup>7</sup> / <sub>8</sub> " or 9 <sup>3</sup> / <sub>4</sub> " )
Minimum temperature	40°F   4.4°C
Maximum temperature	104°F   40°C
Micron rating	Not rated
Recommended lifespan	6 months*

\*Results may vary due to feed water quality





Purefer®

# Media Cartridges

## UDF Series with Plugged Cap

### Features

- 100% pure coconut shell activated carbon, no recycled carbon
- All parts are sealed using advanced friction welding, eliminating the need for glues
- Bacteria-resistant PET pads
- Iodine rating of 1,000 for improved chlorine reduction efficiency
- 2 media options available: GAC or BL@CKFREE™
- Also available with acid washed carbon (1,100 iodine rating)

### Benefits

The precision molded plug type cap with O-ring seal is specially designed for use with Purefer® 10" standard housings to ensure zero bypass.

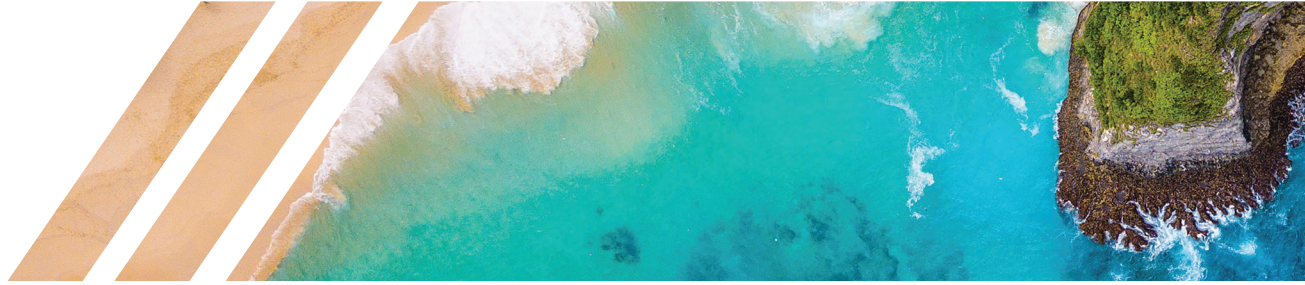
### Specifications

Materials	100% virgin polypropylene Pure coconut shell activated carbon
Dimensions	10" standard (9 <sup>7</sup> / <sub>8</sub> " or 9 <sup>3</sup> / <sub>4</sub> ")
Minimum temperature	40°F   4.4°C
Maximum temperature	104°F   40°C
Micron rating	Not rated
Recommended lifespan	6 months*

\*Results may vary due to feed water quality



# Carbon Block Filters



## Features

- 100% pure coconut shell activated carbon, no recycled carbon
- Iodine rating of 1,000 for improved chlorine removal efficiency

## Applications

- Reduces chlorine, volatile organic compounds (VOCs), taste and odor
- Reduces sediment, dirt, rust, and other suspended particles
- Stand-alone point-of-entry or point-of-use sediment filtration
- Prefilter for domestic or commercial water filter systems

## Specifications

Filter Media	Bonded 100% pure coconut shell activated carbon					
Dimensions	Series	Length	Width	Series	Length	Width
	10" Standard	9-3/4"	2.5"	10" Jumbo	10"	4.5"
		9-7/8"	2.5"	20" Jumbo	20"	4.5"
	20" Standard	20"	2.5"			
Minimum temperature	40°F   4.4°C					
Maximum temperature	104°F   40°C					
Nominal rating	5 micron					
Recommended lifespan	6 months*					





# Accessories

## Filter Housings



Wrench for 10" & 20"  
Jumbo Housing



Wrench for 20"  
Standard Housing



Wrench for 10"  
Standard Housing



Wrench for RO  
Membrane Housing



Screw Kits



Replacement  
O-Rings

# Brackets

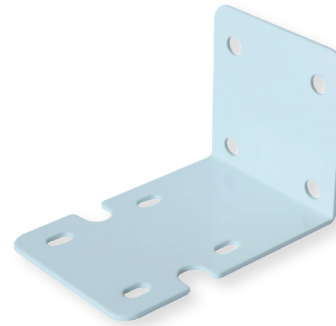
## Filter Housings



Triple Stage  
Brackets



Double Stage  
Brackets



10" & 20" Jumbo  
Housing Bracket



10" & 20" Standard  
Housing Bracket

# RO Systems

Compact Reverse Osmosis  
Systems for Residential  
and Commercial Use



# RO Systems

## 75GPD

### Compact RO System for Residential Use



### Features

- 75 gallons per day capacity
- High-quality Purefer® series filters
- 100% virgin, sterile and hygienic NSF-approved components
- Patented lip seal design on filter housings to prevent leaks
- Chrome-plated plastic faucet
- RO storage tank available separately

The 5-stage system is made up of a 5-micron sediment pre-filter, a second stage GAC carbon filter, followed by our patented 2-in-1 design 1-micron GAC filter, designed for optimal RO membrane protection. The water then filters through a high-grade RO membrane and passes through a post-carbon filter for final polishing and to remove any remaining taste or odor.

The system comes complete with a chrome-plated plastic faucet. The optional booster pump is equipped with all aluminum end caps, providing better thermal management and longer service life.

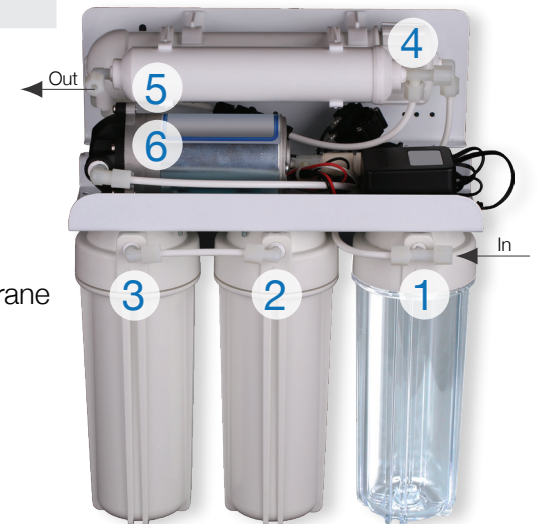


# 75GPD Specifications

## 75GPD

Flow Rate	75 gal/day   280 L/day
Dimensions	14.6 x 10.6 x 18.5 in   37 x 27 x 47 cm
Weight	21 lb   9.5 kg
Tube Size	1/4"
Operating Pressure	20 - 60 psi   1.4 - 4 bar
Maximum Pump Pressure	100 psi   6.9 bar
Power Input	110V or 220V   230V AC
Power Consumption	24V 1.2A 28W
Recommended Water Temperature	41 - 100 °F   5 - 38 °C
Maximum TDS	1000 ppm
Maximum Hardness	7 grain/gallon   120 ppm
Maximum Chlorine	0.2 - 1.0 ppm chlorine
Maximum Iron	0.3 mg/L
Maximum Manganese	0.05 mg/L
Maximum Turbidity	2 NTU
pH Level	6.0 - 8.5

- 1 5 micron sediment filter
- 2 Granular activated carbon filter
- 3 BL@CKFREE™ filter
- 4 High-grade reverse osmosis membrane
- 5 Post carbon filter
- 6 Diaphragm pump (optional)



# RO Systems

## G500

### Compact & Advanced Continuous Flow RO System



### Features

- Water recovery rate of 1:1.25 L
- Patented modular filtration system
- Dry-run protection with auto-restart
- Spill-proof filter replacement
- Anti-bacterial post-carbon filter
- High-flow, 400 gallon per day RO drinking water system
- Elegant & compact design
- Auto-flush function with 5 minute timer

Stunningly compact and environmentally-friendly, the G500 purification system provides continuous, clean, fresh, great-tasting drinking water. The G500 system eliminates unpleasant taste and odor and removes chlorine and contaminants such as heavy metals, pesticides, and chemicals.

Refined, re-imagined, and re-engineered, the G500 is an elegant all-in-one water purification system that is as much a work of art as it is a state-of-the-art purification system. The patented compact cabinet design uses high-grade molded plastics and makes maximum use of your under-counter space. The durable materials, premium-grade fittings and connections, along with functionality such as dry-run protection with auto-restart and automatic RO membrane flushing, ensure long service life. Filter cartridges have unique built-in handles for easy removal and are self-aligning; simplifying the cartridge replacement process.



# G500 Specifications

## G500

Flow Rate	400 gal/day   1800 L/day
Dimensions	16.5 x 10.2 x 17.3 in   44 x 26 x 44 cm
Weight	41.9 lb   19 kg
Tube Size	3/8"
Operating Pressure	20 - 60 psi   1.4 - 4 bar
Maximum Pump Pressure	125 psi   8.6 bar
Power Input	110V 60Hz   230V 50Hz   60Hz
Power Consumption	36V DC   2A
Recommended Water Temperature	41 - 100°F   5 - 38°C
Maximum TDS	2000 ppm
Maximum Hardness	7 grain/gallon   120 ppm
Maximum Chlorine	0.2 - 1.0 ppm Chlorine
Maximum Iron	0.3 mg/L
Maximum Manganese	0.05 mg/L
Maximum Turbidity	2 NTU
pH Level	6.0 - 8.5



# Anti-Scale Solutions

## OneStop Plus™



The OneStop Plus™ system is designed to protect open circuit pipes from scaling. Additionally, it reduces the amounts of heavy metals such as copper, lead, mercury, zinc, and cadmium. It can be installed as a point-of-entry device, for both cold and hot water, or as a point-of-use device, installed directly before the equipment that needs to receive treated water.

## Features

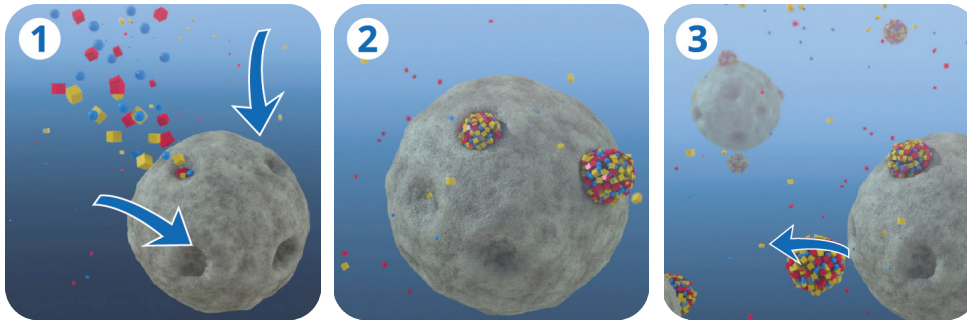
- Retains essential minerals
- Prevents scaling by converting limescale into harmless crystals
- Reduces existing limescale deposits
- Environmentally friendly
- No electricity nor salt required
- No regeneration or backwash required
- Easy to install, no maintenance required
- Increases the efficiency of boilers and other hot water appliances
- Reduces heavy metals such as copper, lead, mercury, zinc, and cadmium

Series	Flow for Maximum Efficiency (gal/min)	Flow for Maximum Efficiency (L/min)
10" Standard	0.8	3
10" Jumbo	2.1	8
20" Jumbo	4	15
CT	10	38





The OneStop Plus™ is NOT a water softener: it is a water conditioner. The water treated by the OneStop Plus™ retains healthy minerals while solving limescale problems.



- 1 The OneStop Plus™ media attracts dissolved calcium carbonate ( $\text{CaCO}_3$ ) scale molecules into “templates” on the media.
- 2 The calcium carbonate ( $\text{CaCO}_3$ ) scale molecules grow into microscopic crystals.
- 3 The crystals detach when they are too large to be held by the OneStop Plus™ media. These harmless crystals effectively isolate the calcium carbonate scale molecules from the water, and anything the water contacts.

## Usage

Prior to installation, please check system pressure, temperature, and water chemistry to ensure the application is compatible with the OneStop Plus™ specifications.

## Applications

### Residential:

Water heater systems, washing machines, laundries, baths, and showers

### Food & Beverage:

Hot drink machines, boilers, steam tables, and espresso coffee machines

### Business/Industrial:

Car washes, hotels, cooling systems, evaporation systems, and commercial boilers

Water Chemistry Limits	
pH	6.5 - 8.5
Maximum Hardness	1300 ppm
Temperature	41°F - 140°F   5°C - 60°C
Chlorine	<3 ppm
Iron	<0.3 ppm
Manganese	<0.000025 lb/gal   <0.05 mg/l
Oil & Polyphosphates	Treat before OneStop Plus™
Hydrogen Sulfide	Treat before OneStop Plus™





# Where Water Gets Better



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