

## Industrial REVERSE OSMOSIS UNIT

### Standard Features:

- \* Stainless Steel Membrane Housing
- \* Multi Stage SS Centrifugal Pump
- \* TDS Monitor for Product and Feed
- \* Low Pressure Safety Cut Off
- \* Product and Drain Flow Meters
- \* Stainless Steel Drain Valve
- \* 2" x 20" Sediment Pre Filter
- \* Inlet Solenoid Valve
- \* Pump Pressure Gauge
- \* Comprehensive Warranty
- \* Easy to Install and Maintain

### Optional Features

- \* Auto Flush
- \* Waste Recycle
- \* Pre Filter Gauge
- \* Control Panel
- \* Crating

*Made in the USA*



Membranes	2 4x40	Pump Model	7GBS10	Filter Size	2x20
Product GPD	5000	Operation PSI	115	Size (WxDxH)	22x23x64
GPM	4	<u>Motor</u>		<u>Connection Sizes</u>	
Reject GPM	4	HP	1	Feed	3/4
Total GPM	8	Volts	115/230	Product	1/2
Rec	50%	Amps	16.2/8.1	Reject	3/4

*Specifications are based on a 2000 mg/l solution at 115 psig on LP units and 225 psig on HP units operating pressure, 77°F, 15% recovery, ph 7.5 after 24 hours. Individual flux may vary +15% / -15%.*

## *Twin-Alternating* **SYSTEMS**

- Never without soft water
- More salt saving using full capacity of each tank
- Service flow up to 28 gpm
- Demand initiated regeneration = Save water and up to 40% in salt usage
- Fully programmable regeneration cycle sequence
- Interval service alarm
- Programmable regeneration cycle times
- Downflow/up flow regeneration
- Control valve design provides optimum service and backwash rates
- Low salt alarm
- Salt or potassium regeneration
- For heavy residential and light commercial applications
- 15x17 brine tank



### KEY BENEFITS TO SOFT WATER

- Water appliances and fixtures will last longer
- Eliminates scale build-up that kills appliances and destroys fixtures
- Increases the life and color of clothing
- No hard water minerals to wear fabrics and naturally softens clothing
- All soap usage will be reduced by 2/3
- Cutting down on cleaning supplies and soaps = monthly savings

## Carbon Filter **SYSTEM**

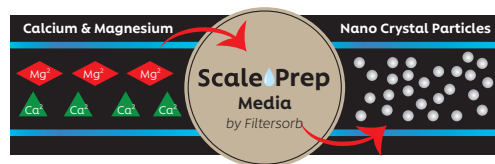
**Taste, Odor, Hydrogen Sulfide,  
Chlorine and Chloramines**

Features and Benefits

- Catalytic activity
- Large and extensive internal pore structure
- Optimized density
- Maximum hardness
- Low dust and turbidity
- High volume activity
- Excellent adsorption capacity
- Low filtered water turbidity
- Rapid dechlorination



**Full Flow Filter Valve  
with Filter and Bypass Valve**  
Assures optimum filtration.



How the Dechlorination System works:

## Coconut Carbon

- Low ash
- A strongly adsorbing pore structure optimal for the treatment of chlorine and other organics
- High hardness relative to other raw materials
- Hardness and abrasion resistance required for thermal reactivation and minimizing generation of fines in operations requiring backwashing
- Pore structure provides a wide range of contaminant removal capabilities

Specifications	OLC 12x40
Iodine Number, mg/g	1050 min
Ash, wt%	4.0 max
Moisture (As packaged), wt%	5 max
Density (Apparent), g/cc	0.48 min
Hardness Number	95 min
12 US Mesh [1.70 mm], wt%	5 max
<40 US Mesh [0.425 mm] (PAN), wt%	4 max

## Centaur

CENTAUR 12x40 is a unique catalytic activated carbon that can be utilized in the liquid phase for the promotion of oxidation, reduction, decomposition, substitution, and elimination reactions. Specific applications include chloramines and hydrogen sulfide removal from potable, process and other waters and peroxide destruction.

The catalytic activity and enhanced adsorption ability makes CENTAUR 12x40 a good performer in other applications such as the treatment of process water in the bottling and soft drink industries and in treating aquarium water.

Specifications	Centaur 12 x 40
Iodine Number, mg/g	825 min
Ash, wt%	7 max
Moisture (As packaged), wt%	3 max
Abrasion Number	75 min
Density (Apparent), g/cc	0.56 min
Hardness Number	0.9-1.1
12 US Mesh [1.70 mm], wt%	5 max
<40 US Mesh [0.425 mm] (PAN), wt%	4 max

## Filtrisorb 400

- Produced in the United States from a pulverized blend of high quality, domestically mined bituminous coals resulting in a consistent, high quality product.
- Carbon granules are uniformly activated through the whole granule, not just the outside, resulting in excellent adsorption properties and constant adsorption kinetics.
- The reagglomerated structure ensures proper wetting while also eliminating floating material.
- High mechanical strength relative to other raw materials, thereby reducing the generation of fines during backwashing and hydraulic transport.
- Carbon bed segregation is retained after repeated backwashing, ensuring the adsorption profile remains unchanged and therefore maximizing the bed life.
- Reagglomerated with a high abrasion resistance, which provides excellent reactivation performance.
- High density carbon resulting in a greater adsorption capacity per unit volume.

Specifications	Filtrisorb 400
Iodine Number, mg/g	1000 min
Moisture by Weight	2% max
Effective Size	0.55-0.75mm
Uniformity Coefficient	1.9 max
Abrasion Number	75 min
<b>Screen size by Weight, US Sieve Series</b>	
On 12 mesh	5% max
Through 40 mesh	4% max

Calgon Carbon test method

## Filtrisorb 600

With its enhanced high energy pore structure, FILTRASORB 600 is ideally suited for trace removal applications and offers a significant performance advantage over traditional activated carbon products used in these types of applications.

*Specific applications include:*

- Removal of MTBE
- Removal of DBCP
- Removal of THMs
- Removal of pesticides and herbicides
- Removal of other organics at concentrations <1 ppm
- Potable water treatment
- Groundwater treatment
- Ultrapure water treatment
- PFAS treatment

Specifications	Filtrisorb 600
Iodine Number, mg/g	850 min
Moisture by Weight	2% max
Abrasion Number	80 min
Trace Capacity Number, mg/g	16 min
<b>Screen size by Weight, US Sieve Series</b>	
On 12 mesh	5% max
Through 40 mesh	4% max

Calgon Carbon test method

