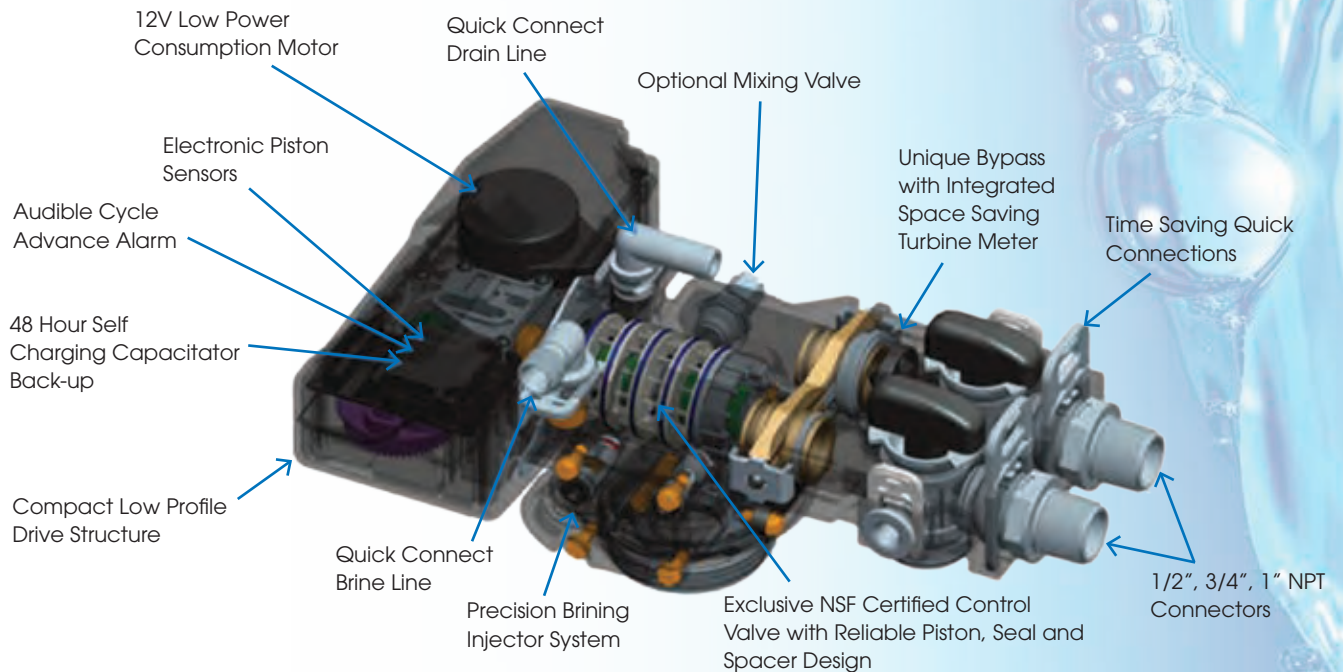




Softeners, Filters & Specialty Systems

Unique Features Designed with the Plumber in Mind



Quick Connect Features for Ultimate Convenience

The quick connect bypass comes with both 3/4" 90 degree elbows and 1" straight NPT adaptors. Optional quick connect adaptors include 3/4" straight SharkBite and 3/4" NPT adaptors.



All units include pre-installed bypass



Standard QC Fittings



Optional Fittings



New Quick Connect Stainless Steel Flexi-Connector Kits

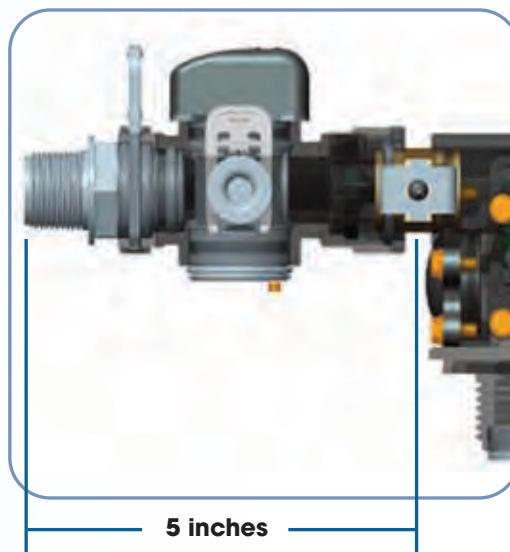
Two 18" flexible water connectors with 3/4" John Guest® Quick Connect fittings and proprietary bypass valve connection for all Canature WaterGroup manufactured water softeners and whole-house filters. Excludes 89 1" Control Valve Series.

Space Saving Improved Design

Eliminate 4" and unnecessary connections for neat, quick installations. Bypass with integrated meter avoids 'meter jamming' which is caused from weight of pipes creating torque on turbines causing them to bind and stop metering.



integrated meter in bypass

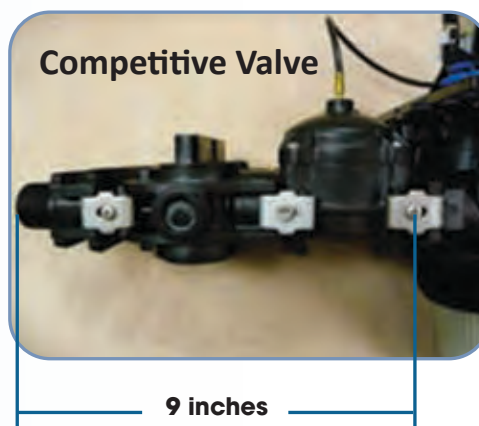


1 Connection Comes pre-installed



QC Power Cable

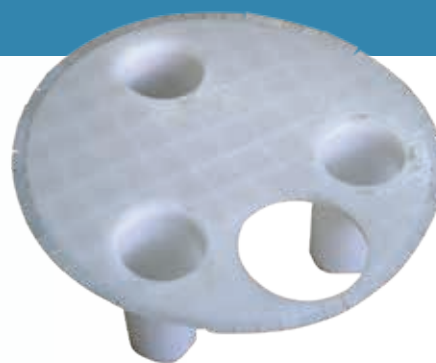
- ➔ Simplifies installation or removal of the valve from the tank
- ➔ No tangled or wrapped up power cords!



3 Connections

High Quality Brine Components

- ➔ Closed bottom brine well reduced intrusion of unwanted impurities
- ➔ Injection molded brine grids reduce bridging
- ➔ Solvent free distributor tube with spun weld collector avoids glue and solvents
- ➔ Injection molded reliable brine valve



Heavy Duty Packaging

WaterGroup uses only durable double-walled high impact cardboard with carrying straps to ensure you do not have to deal with the headache of receiving damaged products.



"Our focus is to build the highest quality water conditioning products in the industry... so when it comes to protecting them from damage during shipping & handling we don't 'cheap out'"

Toby Hughes, P.Eng
Chief operations officer



Water Softener Sizing Guide

Choosing the Right Size Softener

# of People	Total Hardness (Grains per Gallon)									
	10	15	20	25	30	40	50	60	70	75
1	WG185 24 EFT20	WG185 24 EFT20	WG185 24 EFT20	WG185 24 EFT20	WG185 24 EFT20	WG185 32 EFT30	WG185 32 EFT30	WG185 40 EFT40	WG185 40 EFT40	WG185 40 EFT40
2	WG185 24 EFT20	WG185 24 EFT20	WG185 24 EFT20	WG185 24 EFT20	WG185 24 EFT20	WG185 32 EFT30	WG185 32 EFT30	WG185 40 EFT40	WG185 40 EFT40	WG185 40 EFT60
3	WG185 24 EFT20	WG185 24 EFT20	WG185 24 EFT20	WG185 24 EFT20	WG185 24 EFT20	WG185 32 EFT30	WG185 40 EFT60	WG185 60 EFT60	WG185 60 EFT60	WG185 60 EFT60
4	WG185 24 EFT20	WG185 24 EFT20	WG185 24 EFT20	WG185 24 EFT30	WG185 32 EFT30	WG185 40 EFT60	WG185 60 EFT60	WG185 60 EFT90	WG185 90 EFT90	WG185 90 EFT90
5	WG185 24 EFT20	WG185 24 EFT20	WG185 32 EFT30	WG185 32 EFT40	WG185 40 EFT60	WG185 60 EFT60	WG185 60 EFT90	WG185 90 EFT90	WG185 90 EFT90	WG185 90
6	WG185 24 EFT20	WG185 24 EFT30	WG185 32 EFT40	WG185 40 EFT60	WG185 60 EFT60	WG185 60 EFT90	WG185 90 EFT90	WG185 90 EFT90	WG185 HEDP 90	Call for Sizing
7	WG185 24 EFT20	WG185 24 EFT30	WG185 40 EFT40	WG185 60 EFT60	WG185 60 EFT60	WG185 60 EFT90	WG185 90 EFT90	WG185 HEDP 90	Call for Sizing	Call for Sizing
8	WG185 24 EFT20	WG185 32 EFT30	WG185 40 EFT60	WG185 60 EFT60	WG185 60 EFT60	WG185 90 EFT90	WG185 90	Call for Sizing	Call for Sizing	Call for Sizing
9	WG185 24 EFT30	WG185 40 EFT40	WG185 60 EFT60	WG185 60 EFT60	WG185 90 EFT90	WG185 90 EFT90	WG185 HEDP 90	Call for Sizing	Call for Sizing	Call for Sizing
10	WG185 32 EFT30	WG185 40 EFT60	WG185 60 EFT60	WG185 60 EFT90	WG185 90 EFT90	WG185 HEDP 90	Call for Sizing	Call for Sizing	Call for Sizing	Call for Sizing

Notes:

We recommend contacting Novo Water Customer Service for any hardness levels above 75 gpg for proper recommendations
Cabinet models are available for all 75 and 100 models

Softeners: 185UF Series Water Softener

High-Efficiency Performance



Removable brine tank with sliding salt lid



7 Year Warranty
Control Valve



Lifetime Warranty
Pressure tank





**IAPMO R & T Certified
against CSA B483.1**

Features:

- Exclusive WG 185UF NSF Certified electronic control valve with reliable piston, seal and spacer technology
- Cabinet or Twin Tank models
- User-friendly backlit LCD display
- "No Touch" information display rotates key info like last regeneration date and volume remaining
- 48 hour memory back-up
- Meter Immediate, Meter Delayed, Meter Override, and Calendar Clock mode
- Adjustable cycle times
- Brine safety valve provides extra overflow protection
- Unique bypass with an integrated space saving turbine meter and sample ports on the inlet. One-piece design avoids meter jamming.
- Time saving quick connect fittings on bypass, drain and brine line. Power cord even has quick connect for easy valve spin on.
- Drain line o-ring eliminates need for Teflon
- Condensation tank jacket (twin tank models)
- Hose clamp and 10' of drain tubing included
- IAPMO Tested and Certified against CSA B483.1

All Systems Include:

- ▶ **NSF Certified** pressure tank 
- ▶ **NSF Certified** control valve 
- ▶ **IAPMO Certified** cation resin
- ▶ **Pre-installed** bypass
- ▶ **Injection molded** brine grids (twin tanks only)

***Compared to conventional calendar clock models**

**Injection
molded brine
grid reduces
bridging**



Softeners: High Performance Features:



Reverse Flow Regeneration with Precision Brining

Traditional 'downflow' softeners deplete the unused portion of the resin bed with every regeneration. It is like draining the gas tank in your car every time before filling it up!

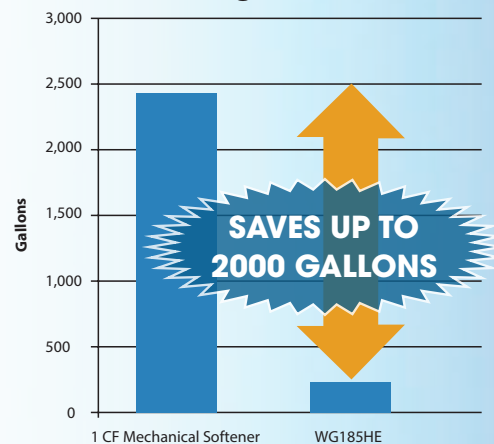
'Reverse Flow Regen' - drives the hardness minerals up through the already depleted resin and out to drain - saving both salt and the unused portion of the resin for future use.

Precision Brining - saves additional salt by pre-making only 70% of the brine. Just before regeneration, the computer calculates the precise amount of brine top-up needed to regenerate only the depleted resin saving up to 30% more salt!



- ▶ **Municipal Backwash Cycle Preset** reduces back wash frequency for clean water supplies →
- ▶ **Smart Clean** flushes stagnant water after 7 days of non-use preventing bacteria growth
- ▶ **Soft Water Quick Charge Mode** ensures soft water during unusually heavy water usage
- ▶ **Soft Water Brine Tank Refill** keeps tank & injectors clean

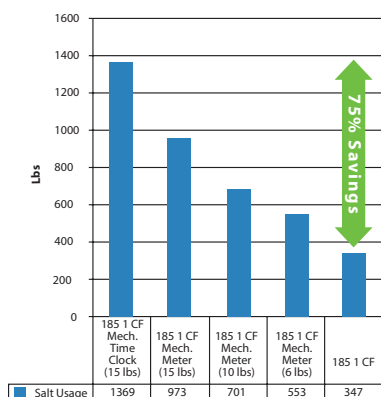
Estimated Annual Back Wash Water Usage



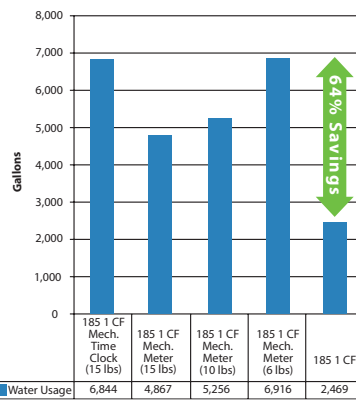
ULTIMATE SALT & WATER SAVINGS!

Use 75% Less Salt & 64% Less Water! It's good for you & good for the environment!

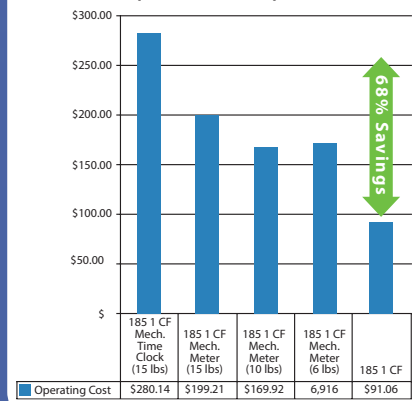
Salt Used Per Year



Estimated Regeneration Water Used Per Year



Estimated Annual Operating Cost (Salt + Water)



Softeners: 185 Water Softener Specifications

Specifications	WG185UF24C	WG185UF32C	WG185UF24	WG185UF32	WG185UF40	WG185UF60	WG185UF90
	2130	2131	2132	2133	2134	2135	2136
Optional Settings - High Efficiency							
Salt Used - Per Regeneration	2.3 lbs	3.0 lbs	2.3 lbs	3.0 lbs	3.75 lbs	6.0 lbs	9.0 lbs
Water Used - Regeneration	22.7 gal	28.3 gal	22.6 gal	31.6 gal	39.5 gal	60.9 gal	102.2 gal
Hardness Removal - Grains	11,250	15,000	11,250	15,000	18,750	30,000	45,000
Factory Settings - Standard Capacity							
Salt Used - Per Regeneration	4.5 lbs	6.0 lbs	4.5 lbs	6.0 lbs	7.5 lbs	12.0 lbs	18.0 lbs
Water Used - Regeneration	40.5 gal	48.6 gal	34.0 gal	43.4 gal	54.3 gal	87.1 gal	139.2 gal
Hardness Removal - Grains	18,750	25,000	18,750	25,000	31,250	50,000	75,000
Optional - High Capacity							
Salt Used - Per Regeneration	7.5 lbs	10.0 lbs	7.5 lbs	10.0 lbs	12.5 lbs	20.0 lbs	30.0 lbs
Water Used - Regeneration	56.1 gal	69.5 gal	49.6 gal	64.3 gal	80.37 gal	124.6 gal	196.2 gal
Hardness Removal - Grains	22,500	30,000	22,500	30,000	40,000	60,000	90,000
Resin Quantity - Cubic Feet	0.75 ft	1.0 ft	0.75 ft	1.0 ft	1.25 ft	2.0 ft	3.0 ft
Tank Size	9x35	10x35	9x35	10x35	10x47	12x52	14x65
Tank Jacket / Media Loaded	Yes	Yes	Yes	Yes	Yes	No	No
Brine Tank / Cabinet Size (Inches)	19.6 x 13.7 x 43.7	19.6 x 13.7 x 43.7	18.1 x 34.5	18.1 x 34.5	18.1 x 34.5	20.3 x 37.4	23.0 x 40.5
Salt Storage Capacity	175 lbs	175 lbs	240 lbs	240 lbs	240 lbs	350 lbs	420 lbs
Flow Rate @ 15 psi Pressure Drop	11.6 gpm	12.0 gpm	10.4 gpm	11.0 gpm	12 gpm	12.2 gpm	12.6 gpm
Flow Rate @ 25 psi Pressure Drop	15.6 gpm	16.0 gpm	14.3 gpm	15.0 gpm	15.5 gpm	16.2 gpm	16.6 gpm
Back Wash Flow Rate	2.0 gpm	2.4 gpm	1.5 gpm	2.0 gpm	2.4 gpm	3.5 gpm	5.0 gpm
Shipping Weight	93 lbs	110 lbs	105 lbs	122 lbs	154 lbs	172 lbs	244 lbs
Regeneration Type	Counter Current / Up Flow						
Maximum Efficiency	5,060 grains /lb salt						
Plumbing Connections	Includes 3/4" 90° Elbows & 1" Straight NPT						
Resin Type	Canature 8% High Capacity Ion Exchange Resin						
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA						
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit						
Water Pressure	Min. 20 - Max. 125 psi						

Softeners: 185DF Series Water Softener



Mid Efficiency with Added Features

Offers a balance of technology and features at a great price point. User-friendly backlit LCD display with "No Touch" information display



* Compared to conventional calendar clock models

All Systems Include:

- ▶ **NSF Certified** pressure tank 
- ▶ **NSF Certified** control valve 
- ▶ **IAPMO Certified** cation resin



**IAPMO R & T Certified
against CSA B483.1**



7 Year Warranty
Control Valve



Lifetime Warranty
Pressure tank

Features:



- Exclusive WG 185DF NSF Certified electronic control valve with reliable piston, seal and spacer technology
- Cabinet or Twin Tank models
- User-friendly backlit LCD display
- "No Touch" information display rotates key info like last regeneration date and volume remaining
- 48 hour memory back-up
- Meter Immediate, Meter Delayed, Meter Override, and Calendar Clock mode
- Adjustable cycle times
- Brine safety valve provides extra overflow protection
- Unique pre-installed bypass with an integrated space saving turbine meter and sample ports on the inlet. One-piece design avoids meter jamming.
- Time saving quick connect fittings on bypass, drain and brine line. Power cord even has quick connect for easy valve spin on.
- Drain line o-ring eliminates need for Teflon
- Condensation tank jacket (twin tank models)
- Injection molded brine grids (twin tanks only)
- Hose clamp and 10' of drain tubing included
- IAPMO Tested and Certified against CSA B483.1

Specifications	WG185DF24C 2110	WG185DF32C 2111	WG185DF24 2112	WG185DF32 2113	WG185DF40 2114	WG185DF60 2115	WG185DF90 2116
Optional Settings - High Efficiency							
Salt Used - Per Regeneration	2.3 lbs	3.0 lbs	2.3 lbs	3.0 lbs	3.75 lbs	6.0 lbs	9.0 lbs
Water Used - Regeneration	22.7 gal	28.3 gal	22.6 gal	31.6 gal	39.5 gal	60.9 gal	102.2 gal
Hardness Removal - Grains	11,250	15,000	11,250	15,000	18,750	30,000	45,000
Factory Settings - Standard Capacity							
Salt Used - Per Regeneration	4.5 lbs	6.0 lbs	4.5 lbs	6.0 lbs	7.5 lbs	12.0 lbs	18.0 lbs
Water Used - Regeneration	40.5 gal	48.6 gal	34.0 gal	43.4 gal	54.3 gal	87.1 gal	139.2 gal
Hardness Removal - Grains	18,750	25,000	18,750	25,000	31,250	50,000	75,000
Optional - High Capacity							
Salt Used - Per Regeneration	7.5 lbs	10.0 lbs	7.5 lbs	10.0 lbs	12.5 lbs	20.0 lbs	30.0 lbs
Water Used - Regeneration	56.1 gal	69.5 gal	49.6 gal	64.3 gal	80.37 gal	124.6 gal	196.2 gal
Hardness Removal - Grains	22,500	30,000	22,500	30,000	40,000	60,000	90,000
Resin Quantity - Cubic Feet	0.75 ft	1.0 ft	0.75 ft	1.0 ft	1.25 ft	2.0 ft	3.0 ft
Tank Size	9x35	10x35	9x35	10x35	10x47	12x52	14x65
Tank Jacket / Media Loaded	Yes	Yes	Yes	Yes	Yes	No	No
Brine Tank / Cabinet Size (Inches)	13.7 x 23.6 x 43.3	13.7 x 23.6 x 43.3	18.1 x 34.5	18.1 x 34.5	18.1 x 34.5	20.3 x 37.4	23.0 x 40.5
Salt Storage Capacity	175 lbs	175 lbs	240 lbs	240 lbs	240 lbs	350 lbs	420 lbs
Flow Rate @ 15 psi Pressure Drop	11.6 gpm	12.0 gpm	10.4 gpm	11.0 gpm	12 gpm	12.2 gpm	12.6 gpm
Flow Rate @ 25 psi Pressure Drop	15.6 gpm	16.0 gpm	14.3 gpm	15.0 gpm	15.5 gpm	16.2 gpm	16.6 gpm
Back Wash Flow Rate	2.0 gpm	2.4 gpm	1.5 gpm	2.0 gpm	2.4 gpm	3.5 gpm	5.0 gpm
Shipping Weight	93 lbs	110 lbs	105 lbs	122 lbs	154 lbs	172 lbs	244 lbs
Regeneration Type	Co Current / Down Flow						
Plumbing Connections	Includes 3/4" 90° Elbows & 1" Straight NPT						
Resin Type	Aquafine 8% High Capacity Ion Exchange Resin						
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA						
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit						
Water Pressure	Min. 20 - Max. 125 psi						

Softeners: EconoFlo Series Water Softener

The economical and reliable EconoFlo Series Water Softener offers simple electronics for the same price as mechanical metered units. Offer your customers more for less. Manually index cycle position for easier, faster installation and service.

Features:

- ▶ **Exclusive WaterGroup NSF Certified** electronic control valve with reliable piston, seal and spacer technology 
- ▶ **Manual index dial** for quick manual regeneration or cycle position selection
- ▶ **Simple electronics:** just set time of day, hardness and number of people
- ▶ **Control valve** also offers 48 hour memory back up, adjustable cycle times and optional regeneration modes (Meter Immediate, Meter Delayed, Meter Override, Calendar Clock
- ▶ **IAPMO Tested** and Certified against CSA B483.1
- ▶ **NSF Certified** Pressure Tank 
- ▶ **IAPMO** approved cation exchange resin
- ▶ **Available in** traditional twin tank or compact cabinet design
- ▶ **Factory installed** one piece meter-in-bypass saves installation time and space
- ▶ **Quick connect fittings** on bypass, drain line, brine line and power cord for faster easier installations. Drain line o-ring eliminates need for Teflon.



*Compared to conventional calendar clock models



5 Year Warranty
Control Valve



10 Year Warranty
Pressure tank

**Simpler than
setting your
alarm clock!**



**IAPMO R & T Certified
against CSA B483.1**



Model Number	Item Number	Capacity - Grains			Flow Rate		Mineral Tank Size (Inches)	Total Resin (cu. ft.)	Cabinet or Brine Tank Size Inches (WXDXH)	Salt Capacity (lbs)	Shipping Weight (lbs)
		@ 10 lbs/cu ft	@ 6 lbs/cu ft Factory Setting	@ 3 lbs/cu ft	Service USGPM	Backwash USGPM					
EFC20	2117	19,875	16,500	10,500	8	2	9 X 35	0.75	13.8 X 23.6 X 34.5	225	93
EFC30	2118	26,500	22,000	14,000	10	2.4	10 X 35	1	13.8 X 23.6 X 34.5	225	110
EFT20	2119	19,875	16,500	10,500	8	2	9 X 35	0.75	18.1 X 34.5	230	93
EFT30	2120	26,500	22,000	14,000	10	2.4	10 X 35	1	18.1 X 34.5	230	110
EFT40	2121	33,125	27,500	17,500	12	2.4	10 X 47	1.25	18.1 X 34.5	230	141
EFT60	2122	53,000	44,000	28,000	13	3.5	12 X 52	2	20.3 X 37.4	270	158
EFT90	2123	79,500	66,000	42,000	15	5	14 X 65	3	23.0 X 40.5	700	244
Regeneration Type		Co current / Down Flow									
Plumbing Connections		Includes 3/4" 90°Elbows & 1" Straight NPT									
Resin Type		Aquafine 8% High Capacity Ion Exchange Resin									
Electrical Requirements		Input 120V 60 Hz - Output 12V 650mA									
Water Temperature		Min 39 - Max. 100 degrees Fahrenheit									
Water Pressure		Min. 20 - Max. 125 psi									

Softeners: 85 TA 1" Series Water Softener

Our **85 TA 1" (Twin Alternating) Series** softeners provide up to 16.6 gpm of continuous soft water 24 hours a day. They are engineered and thoroughly tested to provide years of reliable, trouble free performance with minimal maintenance.

Operating Parameters

- ➔ Operating pressure: 20 - 100 psi
- ➔ Operating temperature: 39 - 100° F
- ➔ Electrical: Input 120V 60 Hz - Output 12VAC 650mA

Materials of Construction

- ➔ Control Valve: Plastic PPO (Noryl)
- ➔ Resin Tanks: Corrosion resistant fibreglass reinforced polyethylene NSF 44 Certified
- ➔ Brine Tank: High density polyethylene (includes plastic salt plate, brine well & cap, air check, and safety float)
- ➔ Ion Exchange Resin: High Capacity WQA certified 8% Canature resin
- ➔ Internal Distributors

Standard Features

- ➔ Up-flow: Provides high efficiency and ultra low hardness leakage
- ➔ Master Controller: Fully programmable electronic controller with adjustable cycles
- ➔ Alternating Flow: One tank is always off-line for regeneration or ready in stand by.
- ➔ Advanced Diagnostic Information: Easily trouble shoot and access system information displayed in real time
- ➔ Back Wash Override: Reduces regeneration water usage by skipping pre set number of back wash cycles
- ➔ Softwater Refill: Adds treated water to the brine tank to keep brine clean and reduces maintenance
- ➔ Optional: Stainless steel piping manifold
- ➔ Optional: Aux output closed during full regeneration cycle



Softeners: 85 TA 1" Series Water Softener

**Continuous
Soft Water
24-7**



					Flow Rates per Tank					
Model	Capacity	Resin per Tank	Salt Usage		Critical	85TA		Max Flow	Dimensions	
	@15 lbs/Ft3	Ft³	@15 lbs/Ft3	@10 lbs/Ft3	Flow	@ 15 PSI	@ 25 PSI	To Drain	Mineral Tank	Brine Tank
	@10 lbs/Ft3	M³	Lbs (Kg)	Lbs (Kg)	USGPM	USGPM	USGPM	USGPM	in	in
					l/s	l/s	l/s	l/s	mm	mm
85TA-23	23,000	0.77	11.5 (5.2)	6.75 (3.1)	3.75	10.4	14.3	1.5	8 x 44	18 x 35
	20,000	0.02			0.24	0.66	0.9	0.09	203 x 1118	460 x 876
85TA-30	30,000	1	15 (6.8)	10 (4.5)	5.0	11	15	2	9 x 48	18 x 35
	27,000	0.03			0.32	0.69	0.95	0.13	229 x 1219	460 x 876
85TA-45	45,000	1.5	23 (10.2)	15 (6.8)	7.5	11.2	15.1	2.4	10 x 54	18 x 35
	40,500	0.04			0.47	0.71	0.95	0.15	254 x 1372	460 x 876
85TA-60	60,000	2	30 (13.6)	20 (9.1)	10	12.2	16.2	3.5	12 x 52	20 x 37
	54,000	0.06			0.63	0.77	1.02	0.22	305 x 1321	516 x 950
85TA-90	90,000	3	45 (20.5)	30 (13.6)	15	12.6	16.6	5	14 x 65	23 x 41
	81,000	0.08			0.95	0.79	1.05	0.32	356 x 1651	584 x 1029

Softeners:

EcoSmart Series Water Softener



ECS-20

#15010410



ECS-24

#15010411



ECS-34/39

#15010412 (ECS-34)
#15010414 (ECS-39)

Features:

- Engineered for ultimate efficiency on clean municipal water applications
- Compact design for small spaces
- Uses over 75% less salt & water than conventional water softeners
- EcoSmart™ Intelligent electronic control:
 - Simple intuitive electronics. No confusing codes or symbols!
 - Rotating performance information display!
 - Adjustable cycles for peak efficiency!
- High-efficiency fine mesh cation resin
- Quality injection & blow molded cabinet
- Push release hinged salt lid for easy salt refill
- Brine safety valve provides additional overflow protection
- ECS-34 model not only softens but also filters out bad tastes & odors caused by chlorine & organics
- Removes up to 10 ppm ferrous iron

Eco-Friendly Efficiency



Quality & Warranty

EcoSmart™ Water Softeners are built to last! All softeners are third party certified to meet the industry's most exacting standards and backed by one of the industries strongest warranties:

- Seven Year System Warranty
- Lifetime Pressure Tank & Cabinet Warranty



7 Year Warranty Control Valve



Lifetime Warranty Pressure tank

Compact Design

Super compact design is perfect for main floor laundry or where space is at a premium!



Easy Installation

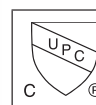
Complete installation kit including bypass, plumbing fittings & drain tubing. Quick connect fittings for simple installation. Includes easy to follow installation guide.



Specifications	ECS-20	ECS-24	ECS-34	ECS-39
	15010410	15010411	15010412	15010414
Maximum Hardness Removal	19,500 grains	24,180 grains	34,320 grains	39,000 grains
Factory Settings - High Efficiency				
Salt Used	1.5 lbs	2.1 lbs	2.4 lbs	3.0 lbs
Water Used	9.6 gal	11.7 gal	15.8 gal	17.9 gal
System Capacity	7,300 grains	10,200 grains	11,700 grains	15,400 grains
High Capacity Settings				
Salt Used	3.0 lbs	3.7 lbs	5.3 lbs	6.0 lbs
Regeneration Water Used	16.9 gal	21.4 gal	32.5 gal	34.6 gal
System Capacity	12,000 grains	16,800 grains	19,200 grains	25,000 grains
Coconut Activated Carbon	No	No	Yes	No
Integrated Meter in Bypass	Yes	Yes	Yes	Yes
Plumbing Connections	3/4" or 1"	3/4" or 1"	3/4" or 1"	3/4" or 1"
Flow Rate @ 15 psi Pressure Drop	10.9 gpm	10.2 gpm	10.0 gpm	10.0 gpm
Salt Storage Capacity	80 lbs	120 lbs	170 lbs	170 lbs
Shipping Weight	58.5 lb	68.3 lb	84.3 lb	87.5 lb
Regeneration Type	Co-current / Downflow			
Maximum Efficiency	5,600 grains / lb salt			
Electrical Requirements	120V 50/60 Hz			
Maximum Water Temperature	120 degrees Fahrenheit			
Water Pressure	min. 20 - max. 120 psi			
Foot Print	13" w x 18" d (ECS-20 26" h / ECS-24 35" h / ECS-34&39 43" h)			
Plumbing Connections	Includes 3/4" 90° Elbows & 1" Straight NPT			



EcoSmart™ control valve & pressure tanks are NSF Certified



IAPMO R & T Certified against CSA B483.1



IAPMO R & T Certified against NSF/ANSI 44

Softeners: Shower Softener

Just want soft water for your shower? This compact water-proof shower unit requires no electricity. The one-step manual regeneration is easy to operate. Small portable design makes it perfect for non-winterized cottages.



Features:

- ➔ Easy installation
- ➔ No electricity required
- ➔ Waterproof slide cover
- ➔ One step regeneration process



Designed, Engineered & Assembled in the U.S.A.

Item #	Model	Mineral Tank Size (IN)	Resin Cu Ft	Brine Tank / Cabinet Size Inches (WxDxH)	Ship Weight (Lbs)
15180001	SHOWER SOFTENER	7 x 13	0.22	8.7 x 14.2 x 19.2	20

New Quick Connect Stainless Steel Flexi-Connector Kits

We are pleased to introduce our new Quick Connect Stainless Steel Flexi-Connector Kits designed specifically for Canature WaterGroup control valves.

The connectors are not only affordable, they provide for faster, easier installations while eliminating two connection points.

Each kit consists of:

- ➔ Two 18" long flexible water connectors with John Guest® Quick Connect fittings on one end and proprietary Canature WaterGroup control 3/4" valve bypass connection on the other
- ➔ Polybag with merchandising header

Simply push to connect to any 3/4" or 1" copper, CPVC or PEX piping with no tools!



60010618 3/4" J6 x 3/4 Canature WaterGroup Bypass
60010619 1" J6 x 3/4 Canature WaterGroup Bypass

Filters: Whole-House Automatic Water Filters

Protect Your Plumbing From Bad Taste and Odor Caused by Chlorine and Other Chemicals.

Remove Disinfectants From Your Water

Once water arrives safely at your home there is no further need for disinfectants. In fact they are undesirable!

- Taste and bad odor
- Dry skin
- Damage plumbing
- Can produce potentially harmful by-products

Leaky Faucet or Toilet?

Chlorine is a strong oxidant that quickly destroys plastic & rubber seals & gaskets in appliances & plumbing causing leaks.

Pin Hole Leaks in Pipes!

Chloramines are corrosive by nature and will eventually cause costly damage to plumbing – causing pitting & pin hole leaks.



Filters: 85 Series Water Filters

Problem water is no problem with our full line of WaterGroup 185 Water Filters. Eliminate iron, sediment, bad tastes, stains and odors, as well as, color caused by organics. The high-efficiency control valve monitors water usage and flushes the system automatically, readying it for operation again.

- ➔ **Taste & Odor Filters (ACF):** Chlorine and organic matter can make your water smell and taste terrible. The WaterGroup 185 Taste & Odor filter uses high-quality granular activated carbon to absorb the problem-causing substances.
- ➔ **Chloramine Removal Filters (CLAF):** Chloramines are now commonly used to disinfect municipal water supplies causing taste & odor problems. To remove chloramines a special catalytically enhanced carbon is required.
- ➔ **Multi Media Filters (MM):** Cloudy water means you likely have suspended silt: or sediment. Restore your water to crystal clear as the WaterGroup 185 Multi-Media filter traps particulate matter as small as 20 microns.
- ➔ **Nexsand Turbidity Filters (Ultra MF):** Remove suspended solids, Ferric Hydroxide (Red Water Iron) or Sediment from your well or water system down to 5 Microns. Nexsand has proven extremely effective and will double the service flow of Multi Media or Sand Filters.
- ➔ **Neutralizing Filters (NNF):** The WaterGroup 185 Neutralizing filters raise the pH of acidic water to neutralize corrosiveness protecting fixtures, pipes and appliances.
- ➔ **Iron & Sulfur Filters (ISF):** Water comes in contact with manganese greensand causing oxidization into solids which can be trapped in the filter bed



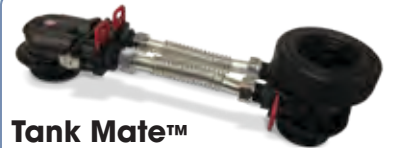
7 Year Warranty
Control Valve



Lifetime Warranty
Pressure tank



Chloramine (CLAF) Units use Two Tank System for effective reduction of chloramines



Tank Mate™
Included with all systems

Features:

- ➔ Exclusive NSF Certified control valve with reliable electronic sensors, adjustable cycle time and proven piston, seal & spacer design
- ➔ NSF Certified fibreglass pressure tank
- ➔ Tank jackets reduce condensation.
- ➔ User-friendly backlit LCD display
- ➔ Simple set up and programming with no confusing codes or symbols to remember
- ➔ Automatic Vacation Mode prevents media cementing
- ➔ "No Touch" LCD information display rotates key info like last regeneration date, current flow rate & peak flow rate
- ➔ Unique, compact one piece bypass with integrated turbine meter
- ➔ Time saving quick connect fittings on bypass, drain & brine line. Even the power cord has quick connects
- ➔ Drain line o-ring. No need for Teflon
- ➔ Audible Cycle Advance Alarm
- ➔ 48 hour self charging battery back-up
- ➔ Meter Immediate, Meter Delayed, and Meter with Day Override
- ➔ Includes hose clamp and 10' of drain tubing

Filters: 85 Filters

Specifications	WG185ACF75	WG185ACF10	WG185ACF15	WG185ACF20	WG185ACF30
	2150	2151	2152	2153	2220
Normal Service Flow Rate	4.0 gpm	5.0 gpm	7.0 gpm	10 gpm	12.0 gpm
Peak Service Flow Rate	5.0 gpm	7.0 gpm	10.0 gpm	12.0 gpm	15.0 gpm
Backwash Flow Rate	3.5 gpm	4.0 gpm	5.0 gpm	7.0 gpm	10.0 gpm
Filter Media Volume - Cubic Feet	0.75 ft ³	1.0 ft	1.5 ft	2.0 ft	3.0 ft
Filter Tank Size	8x44	9x48	10x54	12x52	14x65
Tank Jacket / Media Loaded	Yes	Yes	Yes	No	No
Shipping Weight	50 lbs	60 lbs	78 lbs	95 lbs	138 lbs

Specifications	WG185CLAF75	WG185CLAF10	WG185CLAF15	WG185CLAF20
	2221	2222	2223	2224
Recommended Flow Rates	4.0 gpm	5.0 gpm	7.5 gpm	10.0 gpm
Backwash Flow Rate	3.5 gpm	4.0 gpm	5.0 gpm	7.0 gpm
Filter Media Volume - Cubic Feet	1.5 ft ³	2.0 ft	3.0 ft	4.0 ft
Filter Tank Size (qty 2)	8x44	9x48	10x54	12x52
Tank Jacket	Yes	Yes	Yes	No
Shipping Weight	100 lbs	120 lbs	155 lbs	190 lbs
Carbon Type	Canature Catalytic Carbon			

Specifications	WG185MMF75	WG185MMF10	WG185MMF15	WG185MMF20	WG185MMF30
	2166	2167	2168	2169	2225
Normal Service Flow Rate	4.0 gpm	5.0 gpm	7.0 gpm	10.0 gpm	12.0 gpm
Peak Service Flow Rate	5.0 gpm	7.0 gpm	10.0 gpm	12.0 gpm	15.0 gpm
Micron Rating	15-20 micron	15-20 micron	15-20 micron	15-20 micron	15-20 micron
Backwash Flow Rate	4.0 gpm	5.0 gpm	7.0 gpm	10.0 gpm	14.0 gpm
Filter Media Volume - Cubic Feet	0.75 ft ³	1.0 ft	1.5 ft	2.0 ft	3.0 ft
Filter Tank Size	8x44	9x48	10x54	12x52	14x65
Tank Jacket / Media Loaded	Yes	Yes	Yes	No	No
Shipping Weight	79 lbs	118 lbs	144 lbs	198 lbs	342 lbs

Specifications	WG185ULTRAMF75	WG185ULTRAMF10	WG185ULTRAMF15	WG185ULTRAMF20
	2170	2171	2172	2173
Normal Service Flow Rate	4.0 gpm	5.0 gpm	8.0 gpm	10.0 gpm
Peak Service Flow Rate	7.0 gpm	8.0 gpm	10.0 gpm	12 gpm
Micron Rating	3-5 micron	3-5 micron	3-5 micron	3-5 micron
Backwash Flow Rate	5.0 gpm	7.0 gpm	10.0 gpm	14.0 gpm
Filter Media Volume - Cubic Feet	0.75 ft ³	1.0 ft	1.5 ft	2.0 ft
Filter Tank Size	8x44	9x48	10x54	12x52
Tank Jacket	Yes	Yes	Yes	No
Shipping Weight	90 lbs	135 lbs	205 lbs	255 lbs

Specifications	WG185NNF75	WG185NNF10	WG185NNF15	WG185NNF20	WG185NNF30	WG185NNF10CALC	WG185NNF15CALC
	2174	2175	2176	2177	2226	2227	2228
Normal Service Flow Rate	2.0 gpm	3.0 gpm	5.0 gpm	6.0 gpm	7.0 gpm	3.0 gpm	5.0 gpm
Peak Service Flow Rate	3.5 gpm	5.0 gpm	8.0 gpm	10.0 gpm	12.0 gpm	5.0 gpm	8.0 gpm
pH Correction Range	6.0 - 6.9 TDS >200	6.0 - 6.9 TDS >200	6.0 - 6.9 TDS >200	6.0 - 6.9 TDS >200	6.0 - 6.9 TDS >200	6.0 - 6.9 TDS <200	6.0 - 6.9 TDS <200
Backwash Flow Rate	3.5 gpm	4.0 gpm	5.0 gpm	7.0 gpm	10.0 gpm	4.0 gpm	5.0 gpm
Filter Media Volume - Cubic Feet	0.75 ft ³	1.0 ft	1.5 ft	2.0 ft	3.0 ft	1.0 ft	1.5 ft
Filter Tank Size	8x44	9x48	10x54	12x52	14x65	9x48	10x54
Tank Jacket / Media Loaded	Yes	Yes	Yes	No	No	Yes	Yes
Shipping Weight	93 lbs	120 lbs	164 lbs	207 lbs	330 lbs	120 lbs	164 lbs

Specifications	WG185ISF75	WG185ISF10	WG185ISF15	WG185ISF20	WG185ISF30
	2162	2163	2164	2165	2197
Normal Service Flow Rate	3.0 gpm	3.0 gpm	4.0 gpm	5.0 gpm	6.0 gpm
Peak Service Flow Rate	4.0 gpm	5.0 gpm	8.0 gpm	10.0 gpm	12.0 gpm
Backwash Flow Rate	3.5 gpm	4.0 gpm	5.0 gpm	7.0 gpm	10.0 gpm
Compensated Iron Removal Capacity	4,500 ppm	6,000 ppm	9,000 ppm	12,000 ppm	18,000 ppm
KMnO4 per Regen	4 oz	4 oz	4 oz	8 oz	8 oz
Filter Media Volume - Cubic Feet	0.75 ft ³	1.0 ft	1.5 ft	2.0 ft	3.0 ft
Filter Tank Size	8x44	9x48	10x54	12x52	14x65
Tank Jacket / Media Loaded	Yes	Yes	Yes	No	No
Shipping Weight	113 lbs	129 lbs	179 lbs	233 lbs	352 lbs
Maximum Combination of Iron X 1, Manganese X 2, H ₂ S X3		10.0 ppm	Maximum Hydrogen Sulfide		3.0 ppm
Maximum Iron (Ferrous)		7.0 ppm	Maximum Manganese		5.0 ppm
Bacterial Iron		0.0 ppm	Minimum pH		7.0

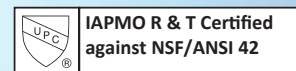
All Filters	
Plumbing Connections	Includes 3/4" 90°Elbows & 1" Straight NPT
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit
Water Pressure	Min. 20 - Max. 125 psi

Filters: 465 BIF Chemical Free Iron Filter



Features:

- ➔ Natural oxidation removes iron, manganese and hydrogen sulfide without chemicals, air pumps or a venturi
- ➔ Low maintenance two tank system
- ➔ Regenerates less frequently than traditional iron filters using up to 50% less water than manganese greensand filters
- ➔ NSF Certified electronic control valve
- ➔ NSF Certified fibreglass pressure tanks
- ➔ Meter Immediate, Meter Delayed, Meter with Day Override, Vacation and Calendar Clock mode
- ➔ Adjustable cycle times
- ➔ Unique bypass with an integrated space saving turbine meter and sample port on the inlet. One-piece design avoids meter jamming
- ➔ Time saving quick connect fittings on bypass
- ➔ Quick connect drain line o-ring eliminates need for Teflon
- ➔ Power cord even has quick connect for easy valve spin on
- ➔ Hose clamp and 10' of drain tubing included



Item #	Model	Media Cu Ft	Flow Rate USGPM			Mineral Tank Size	Air Contact Tank	Pipe Size Inches	Ship Weight Lbs
			Service	Peak	Backwash				
2199-1	WG465BIF-100	1.0	3.0	6.0	5.0	10 x 44	10 x 44	3/4" or 1"	150
2200-1	WG465BIF-150	1.5	4.0	10.0	5.0	10 x 54	10 x 54	3/4" or 1"	188
2206-1	WG465BIFMN-100	1.0	3.0	6.0	5.0	10 x 44	10 x 44	3/4" or 1"	150
2207-1	WG465BIFMN-150	1.5	4.0	10.0	5.0	10 x 54	10 x 54	3/4" or 1"	188
940662-1	WG465BIF-100 with Multi Media	1.0	3.0	6.0	5.0	10 x 44	10 x 44	3/4" or 1"	150
940663-1	WG465BIF-150 with Multi-Media	1.5	4.0	10.0	7.0	10 x 54	10 x 54	3/4" or 1"	188
940366-1	WG465BIF-100 with Catalytic Carbon	1.0	3.0	6.0	5.0	10 x 44	10 x 44	3/4" or 1"	150
940365-1	WG465BIF-150 with Catalytic Carbon	1.5	4.0	10.0	5.0	10 x 54	10 x 54	3/4" or 1"	188

- BIF MN Models for low pH and/or high manganese applications
 - BIF Iron and Hydrogen Sulfide Filter With Multi Media For Use on Tannin Bearing Water
 - BIF Iron & Hydrogen Sulfide Removal With Catalytic Carbon For Higher Than Normal H2S Removal (up to 5.0 ppm)
 Contact Customer Service or Your Sales Representative for Application Guidelines

Maximum Iron	BIF and BIFMN models 30.0 ppm / BIF Multi Media models 10.0 ppm / BIF Catalytic Carbon models 0.0 ppm
Hydrogen Sulfide	BIF, BIFMN and BIF Multi Media 3.0 ppm / BIF Catalytic Carbon 5.0 ppm
Manganese	BIF, BIF Multi Media and BIF Catalytic Carbon 0.0 ppm / BIFMN models 1.0 ppm
Iron Bacteria Removal	No
pH	BIF, BIF Multi Media and BIF catalytic Carbon pH 7.0 - 8.5 / BIFMN models pH 6.5 - 6.9

Filters: AIO Chem Free Iron Filter

The AIO Chemical Free Iron filter is intended to be an effective and economical way to remove iron from water without the use of messy and dangerous chemicals or expensive pumps or an external venturi. The AIO valve creates an air bubble at the upper portion of the tank to oxidize any ferrous iron prior to being filtered by the media. It can also be used to remove low concentrations of dissolved hydrogen sulfide and manganese from water.

How does the AIO (Air Induction Oxidization) filter work?

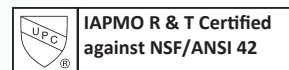
This filter works by adding oxygen to the incoming water by passing it through a bubble of compressed air. The water is then passed through a special filter bed.

The special media not only increases the pH of the water to enhance iron removal but also acts as a physical barrier to trap iron precipitate.

As more water passes through this iron filter, the oxygen in the unit is used up, and the media gets loaded with iron. The regeneration process then begins in order to replenish the supply of oxygen, and to backwash the precipitated iron trapped in the media bed.

The iron removal efficiency will be more effective with high pH water.

The filter is fitted with an inlet check valve to prevent any air from flowing backwards out of the filter tank.



Item #	Model	Media Cu Ft	Flow Rate USGPM			Mineral Tank Size	Pipe Size Inches	Ship Weight Lbs
			Service	Peak	Backwash			
AIO (Air Induction Oxidizer) Chemical Free Iron Filter (Single Tank)								
2231	FILTER, WG665FAIO75	0.75	2	4	3.5	8 x 44	3/4" and 1"	110
2232	FILTER, WG665FAIO10	1.0	3	6	4	9 x 48	3/4" and 1"	145
2233	FILTER, WG665FAIO15	1.5	4	10	5	10 x 54	3/4" and 1"	250
2235	FILTER, WG665FAIO75M	0.75	2	4	3.5	8 x 44	3/4" and 1"	110
2236	FILTER, WG665FAIO10M	1.0	3	6	4	9 x 48	3/4" and 1"	145
2237	FILTER, WG665FAIO15M	1.5	4	10	5	10 x 54	3/4" and 1"	250

Bed Type	Application Parameters			
	Iron (ppm)	Manganese (ppm)	Hydrogen Sulfide (ppm)	pH Range
AIO Chem Free	0.0 - 10.0	0.0	0.0 - 1.0	7.0 - 8.5
AIOM Chem Free	0.0 - 10.0	0.0 - 1.0	0.0 - 1.0	6.5 to 6.9

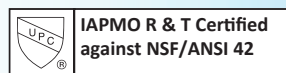
Filters: Hydrogen Sulfide Reduction AIO Filter

Does Your Water Stink?

Hydrogen sulfide (H₂S) is a nuisance. It adds an objectionable sulfur-like taste and “rotten egg” odor to drinking water. Left untreated, it can also lead to corrosion in plumbing pipes and fixtures.

Features:

- ➔ Combines aeration with catalytic carbon technology to effectively reduce sulfur from water.
- ➔ No more bad taste or odor.
- ➔ No Chemicals to buy, mix or add
- ➔ No weekly water tests to perform
- ➔ Simple, Fully Automatic regeneration with Air



Item #	Model	Cat Carbon Cu Ft	Flow Rate USGPM			Mineral Tank Size	Pipe Size Inches	Ship Weight Lbs
			Service	Peak	Backwash			
AIO (Air Induction Oxidizer) Filter For Hydrogen Sulfide Reduction (Single Tank)								
2238	FILTER, WG665FAIOC75	0.75	2	4	3.5	8 x 44	3/4" and 1"	110
2239	FILTER, WG665FAIOC10	1.0	3	6	4	9 x 48	3/4" and 1"	145
2240	FILTER, WG665FAIOC15	1.5	4	10	5	10 x 54	3/4" and 1"	250

Bed Type	Application Parameters			
	Iron (ppm)	Manganese (ppm)	Hydrogen Sulfide (ppm)	pH Range
AIOC Catalytic Carbon	0.0	0.0	0.0 - 3.0	7.0 - 8.5

Filters: NRV (Non-Regenerating Valve) Whole House Carbon Filter

Economical Reduction of Chlorine, Chloramines and other bad taste & Odors.

Features:

- ➔ Economical whole-house carbon filtration solution for reducing chlorine (TO models) , chloramines (TOK models) and other bad tastes and odors
- ➔ Factory installed one-piece bypass with incorporated meter
- ➔ Time saving quick connect fittings (90° ¾" NPT Elbows and 1" Straight NPT) included for faster, easier installation. Optional quick connect SharkBite® fittings also available.
- ➔ Five year warranty on Distribution Head
- ➔ Ten Year Warranty on NSF Certified tank



Economical non-back-washing distribution head with convenient quick connect fittings



Specifications	NRV TO-100	NRV TO-150	NRV TOK-100	NRV TOK-150
	15054073	15054074	15054075	15054076
Service Flow Rates				
Normal	5.0 gpm	7.0 gpm	5.0 gpm	7.0 gpm
Peak	7.0 gpm	10.0 gpm	7.0 gpm	10.0 gpm
Filter Media Volume - Cubic Feet	1.0 ft	1.5 ft	1.0 ft	1.5 ft
Filter Tank Size	9x48	10x54	9x48	10x54
Media Type	Coconut Carbon	Coconut Carbon	Coconut Carbon	Coconut Carbon
Media Loaded	Yes	Yes	Yes	Yes
KDF Protector	No	No	Yes	Yes
Tank Jacket	No	No	No	No
Shipping Weight	60 lbs	78 lbs	60 lbs	78 lbs
Plumbing Connections	Includes 3/4" 90° Elbows & 1" Straight NPT. Bypass Included.			
Electrical Requirements	None			
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit			
Water Pressure	Max. 125 psi			

Specialty Systems: SIMTAN PLUS Series



SIMTAN PLUS Series



7 Year Warranty
Control Valve



Lifetime Warranty
Pressure tank

Soften & Filter Problems From Your Water

Many ground water supplies often have multiple problems that are not only an issue from an aesthetic standpoint but in terms of cost when pipes become clogged, fixtures stained and laundry discolored.

Combination units provide one solution for multiple problems saving you space and money

WaterGroup 185 Series Specialty Combination Systems

WaterGroup offers a variety of specialty systems to fix a variety of water problems commonly found in combination in one water supply.

SIMTAN PLUS Series

Hardness, Iron, Manganese, Natural Organic Matter (including Tannins) and Ammonium Removal

Rid your water of hardness minerals (calcium and magnesium) and enjoy soft skin, silky hair, spot free dishes and brighter laundry while protecting your plumbing and water using appliances from scale build-up.

Removing iron and manganese will keep fixtures from getting stained as well as removing the taste and smell.

Ammonium, often found as a by-product in water disinfected with chloramines, is undesirable and can cause bad taste and odor.

Do **NOT** use **Pro Res Care** or other media cleaners with these units as it will damage the media

Specifications	SIMTANPLUS-150 2181-P	SIMTANPLUS-200 2182-P	SIMTANPLUS-250 2262-P	SIMTANPLUS-300 2183-P
Salt Used - Per Regeneration	9.0 lbs	12.0 lbs	15.0 lbs	18.0 lbs
Water Used - Regeneration	74.6 gal	98.9 gal	126.6 gal	153.0 gal
Hardness Removal - Grains	17,100	22,800	28,500	34,200
Advanced Exchange Media (ft3)	1.32ft	1.76 ft	2.20 ft3	2.64 ft
Tank Size	10x54	12x52	13x54	14x65
Top Cone	Yes	Yes	Yes	Yes
Tank Jacket / Media Loaded	Yes	No	No	No
Brine Tank (Inches)	20.3 x 37.4	20.3 x 37.4	20.3 x 37.4	23.0 x 40.5
Salt Storage Capacity	350 lbs	350 lbs	350 lbs	420 lbs
Critical Service Flow Rate	4-6 gpm	6-8 gpm	8-10 gpm	10-12 gpm
Back Wash Flow Rate	2.4 gpm	4.0 gpm	5.0 gpm	7.0 gpm
Shipping Weight	141 lbs	158 lbs	198 lbs	244 lbs
pH	5-9			
Other	Free Chlorine < 1 ppm, TDS < 4000 ppm			
Regeneration Type	Down Flow			
Plumbing Connections	Includes 3/4" 90°Elbows & 1" Straight NPT			
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA			
Water Temperature	Min 39 - Max. 100° F			
Water Pressure	Min. 20 - Max. 125 psi			

The HIMTLC PLUS needs to be used on well water where the well is greater than 140 feet deep.
CALL CUSTOMER SERVICE TO DETERMINE CORRECT MODEL. WATER TEST RESULTS REQUIRED.

Raw Water Quality Requirements and Efficiency of Purification

Parameters	Influent limitations	Max. Efficiency, %
Hardness	45 gpg	97
Iron*	4 ppm	98
Manganese	2 ppm	98
TOC** (including tannins)	3 ppm	98
Ammonium	4 ppm	90

*All installations require 5 micron pre-filter to be installed prior to this unit. We recommend our 10" or 20" Big Value filter housings with a 5 micron cartridge. If ferric iron levels exceed 3ppm, or high volumes of sediment/turbidity is also present, a regenerating nexsand or multi-media filter should be installed prior to this unit.

**TOC (total organic carbon) is used as a measure of natural organic matter content

Specialty Systems: SIMTAN Series

Soften & Filter Problems From Your Water

Many ground water supplies often have multiple problems that are not only an issue from an aesthetic standpoint but in terms of cost when pipes become clogged, fixtures stained and laundry discolored.

Combination units provide one solution for multiple problems saving you space and money.

SIMTAN Series

Softener, Iron, Manganese & Tannin Removal.



All systems include
Easy Feeder plus 64 oz
bottle of Res Care.



Specifications	WG185 SIMTAN-100	WG185 SIMTAN-150	WG185 SIMTAN-200	WG185 SIMTAN-300
Purolite 850 Models*	2180	2181	2182	2183
Purolite 860 Models*	2184	2185	2186	2187
Factory Settings - High Capacity				
Salt Used - Per Regeneration	12.0 lbs	18.0 lbs	24.0 lbs	36.0 lbs
Water Used - Regeneration	64.3 gal	90.3 gal	124.6 gal	196.2 gal
Hardness Removal - Grains	30,000	45,000	60,000	90,000
Tannins Removal	2000 ppm	3000 ppm	4000 ppm	6000 ppm
Tank #1 Resin Quantity - Cubic Feet	1.0 ft	1.5 ft	2.0 ft	3.0 ft
Tank #2 Resin Quantity - Cubic Feet	1.0 ft	1.5 ft	2.0 ft	3.0 ft
Tank Size	9x48	10x54	12x52	14x65
Tank Jacket / Media Loaded	Yes	Yes	No	No
Brine Tank / Cabinet Size (Inches)	18.1 x 34.5	20.3 x 37.4	20.3 x 37.4	23.0 x 40.5
Salt Storage Capacity	240 lbs	350 lbs	350 lbs	420 lbs
Recommended Service Flow Rate	3.0 gpm	4.5 gpm	6.0 gpm	9.0 gpm
Flow Rate @ 15 psi Pressure Drop	7.3 gpm	7.5 gpm	8.3 gpm	9.3 gpm
Flow Rate @ 25 psi Pressure Drop	10.0 gpm	10.1 gpm	11.1 gpm	11.4 gpm
Back Wash Flow Rate	2.0 gpm	2.4 gpm	3.5 gpm	5.0 gpm
Shipping Weight	125 lbs	158 lbs	161 lbs	247 lbs
Regeneration Type	Counter-Current / Up Flow			
Maximum Hardness	75 Grains Per Gallon			
Maximum Tannins	3.0 ppm (Contact Customer Service for higher levels)			
Maximum Iron (Ferrous)	1.5 ppm			
Maximum Manganese	0.75 ppm			
Resin Type	SST 60 Cation / 850 or 860 Anion Resin			

* CALL CUSTOMER SERVICE TO DETERMINE CORRECT MODEL. WATER TEST RESULTS REQUIRED

All Specialty Systems	
Plumbing Connections	Includes 3/4" 90°Elbows & 1" Straight NPT
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit
Water Pressure	Min. 20 - Max. 125 psi



7 Year Warranty
Control Valve



Lifetime Warranty
Pressure tank



Designed, Engineered &
Assembled in the U.S.A.

Specialty Systems: 185 IronGuard SIM Series

Enjoy Iron-Free Soft Water



Combining proven water softener capabilities with the ability to remove clear water iron, the Iron Guard SIM system provides an effective and economical solution to hard and iron contaminated water. In addition, Iron Guard Plus, is specially designed for application in low pH (acidic) water. Hard water contains dissolved calcium and magnesium which build up inside your water heater, plumbing fixtures and appliances. The minerals also react with soap to form a scum which appears as bathtub ring, greys your laundry and leaves your hair dull and your skin itchy. Iron water leaves yellow, orange or brown stains on your laundry, sinks, tubs and toilets.

Iron Guard contains a bed of fine mesh ion exchange resin beads. As water passes through the bed, calcium and magnesium, the hardness minerals, and any clear water iron are removed and held by the resin. The Iron Guard Plus bed contains calcium carbonate in addition to the fine mesh ion exchange resin.

Eventually, the resin beads become saturated and must be regenerated. A brine solution is drawn into the bed to drive out the accumulated minerals. This process is called ion exchange. After the minerals and brine are rinsed out with fresh water, the regenerated resin is ready to soften your water again. The demand regeneration control valve includes a metering system which monitors your soft water use, regenerating only when necessary based on your water usage. Consequently, you save salt, water and money.

Specifications	WG185SIM30	WG185SIM45	WG185SIM60	WG185SIM90	WG185SIM30+
	2137	2138	2139	2178	2140
Factory Settings - Iron & Manganese					
Salt Used - Per Regeneration	12.0 lbs	18.0 lbs	24.0 lbs	36.0 lbs	12.0 lbs
Water Used - Regeneration	52.2 gal	74.4 gal	101.4 gal	166 gal	52.2 gal
Hardness Removal - Grains	30,000	45,000	60,000	90,000	30,000
Resin Quantity - Cubic Feet	1.0 ft	1.5 ft	2.0 ft	3.0 ft	1.0 ft
Calcite	No	No	No	No	Yes
Tank Size	9x48	10x54	12x52	14x65	10x54
Tank Jacket / Media Loaded	Yes	Yes	No	No	Yes
Brine Tank / Cabinet Size (Inches)	18.1 x 34.5	20.3 x 37.4	20.3 x 37.4	23.0 x 40.5	18.1 x 34.5
Salt Storage Capacity	240 lbs	350 lbs	350 lbs	420 lbs	240 lbs
Flow Rate @ 15 psi Pressure Drop	11.0 gpm	11.2 gpm	12.2 gpm	12.6 gpm	11.2 gpm
Flow Rate @ 25 psi Pressure Drop	15.0 gpm	15.1 gpm	16.2 gpm	16.6 gpm	15.1 gpm
Back Wash Flow Rate	2.1 gpm	2.4 gpm	3.5 gpm	5.0 gpm	2.4 gpm
Shipping Weight	125 lbs	158 lbs	175 lbs	247 lbs	139 lbs
Regeneration Type	Co-Current / Down Flow				
Maximum Hardness	75 Grains Per Gallon				
Maximum Iron (Ferrous)	10 ppm				
Maximum Manganese	5 ppm				
Resin Type	Purolite® SST-60				



SIM Series includes Pro Easy Feeder Starter Kit.

Specialty Systems: 185 TAN

This system uses Anion exchange resin to remove color caused by organic decay - greatly improving aesthetics and preventing costly staining.



Specifications	WG185TAN10	WG185TAN15	WG185TAN20	WG185TAN30
Purolite 850 Models*	2229	2143	2144	2145
Purolite 860 Models*	2230	2146	2147	2148
Factory Settings - High Capacity				
Salt Used - Per Regeneration	12.0 lbs	18.0 lbs	24.0 lbs	36.0 lbs
Water Used - Regeneration	64.3 gal	90.3 gal	124.6 gal	196.2 gal
Tannins Removal	2000 ppm	3000 ppm	4000 ppm	6000 ppm
Resin Quantity - Cubic Feet	1.0 ft	1.5 ft	2.0 ft	3.0 ft
Tank Size	9x48	10x54	12x52	14x65
Tank Jacket / Media Loaded	Yes	Yes	No	No
Brine Tank / Cabinet Size (Inches)	18.1 x 34.5	20.3 x 37.4	20.3 x 37.4	23.0 x 40.5
Salt Storage Capacity	240 lbs	350 lbs	350 lbs	420 lbs
Recommended Service Flow Rate	3.0 gpm	4.5 gpm	6.0 gpm	9.0 gpm
Flow Rate @ 15 psi Pressure Drop	11.0 gpm	11.2 gpm	12.2 gpm	12.6 gpm
Flow Rate @ 25 psi Pressure Drop	15.0 gpm	15.1 gpm	16.2 gpm	16.6 gpm
Back Wash Flow Rate	2.0 gpm	2.4 gpm	3.5 gpm	5.0 gpm
Shipping Weight	122 lbs	155 lbs	158 lbs	244 lbs
Regeneration Type	Co-Current / Down Flow			
Maximum Tannins	3.0 ppm (Contact Customer Service for higher levels)			
Plumbing Connections	Includes 3/4" 90°Elbows & 1" Straight NPT			
Resin Type	Canature Anion Resin			
Electrical Requirements	Input 120V 60 Hz - Output 12V 550mA			
Water Pressure	Min. 20 - Max. 125 psi			

Specialty Systems: 185 HTO



Tank Mate™
Included with all systems

Rid your water of hardness & bad tastes and odor caused by chlorine, chloramines or organic matter.

The unique two tank system keeps the two media beds separate and allows for more carbon contact improving chlorine, chloramines and organic removal.

Because the carbon may need to be replaced before the softening resin, the two tank system allows for replacement without having to change the resin bed unlike many traditional mixed bed systems. Same benefit as separate systems but with cost of only one control valve.

Features:

- ➔ Dedicated softening & carbon filtration tanks provide truly refined water
- ➔ NSF Certified control valve with electronic sensors, adjustable cycles & proven piston, seal & spacer design
- ➔ Reverse Flow regeneration preserves unused portion of softening bed from unnecessary exchange saving salt
- ➔ Precision brining calculates the exact amount of brine required to regenerate saving up to 30% more salt
- ➔ Backwash Frequency Preset for clean municipal water saves water by matching backwash to water quality need
- ➔ Soft Water brine tank refill keeps tank & injectors clean
- ➔ Smart Clean flushes stagnant water
- ➔ NSF Certified fibreglass pressure tank
- ➔ WQA Gold Seal Certified cation resin
- ➔ User-friendly backlit LCD display
- ➔ "No Touch" rotating information display

Specifications	WG185HTO-25	WG185HTO-38	WG185HTO-50	WG185HTO-75
	2188-1	2189-1	2190-1	2191-1
Factory Settings				
Salt Used - Per Regeneration	6.0 lbs	9.0 lbs	12.0 lbs	18.0 lbs
Water Used - Regeneration	86.4 gal	148 gal	162.4 gal	224.8 gal
Hardness Removal - Grains	25,000	37,500	50,000	75,000
Tank #1 Carbon Quantity - Cubic Feet	1.0 ft	1.50 ft	2.0 ft	3.0 ft
Tank #2 Resin Quantity - Cubic Feet	1.0 ft	1.50 ft	2.0 ft	3.0 ft
Tank Size	9x48	10x54	12x52	14x65
Tank Jacket / Media Loaded	Yes	Yes	No	No
Brine Tank / Cabinet Size (Inches)	18.1 x 34.5	18.1 x 34.5	20.3 x 37.4	23.0 x 40.5
Salt Storage Capacity	240 lbs	240 lbs	350 lbs	420 lbs
Flow Rate @ 15 psi Pressure Drop	7.2 gpm	7.4 gpm	9.0 gpm	9.2 gpm
Flow Rate @ 25 psi Pressure Drop	10.0 gpm	10.1 gpm	11.9 gpm	12.1 gpm
Back Wash Flow Rate	2.4 gpm	3.5 gpm	4.0 gpm	5.0 gpm
Shipping Weight	154 lbs	171 lbs	214 lbs	232 lbs
Regeneration Type	Counter Current / Up Flow			
Plumbing Connections	Includes 3/4" 90° Elbows & 1" Straight NPT			
Resin Type	Canature 8% High Capacity Ion Exchange Resin			
Carbon Type	Catalytic Carbon			
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA			
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit			
Water Pressure	Min. 20 - Max. 125 psi			

Specialty Systems: 185 HEDP



Tank Mate™
Included with all systems

On very hard water supplies (> 75 gpg), a common problem with single tank water softeners is the occurrence of hardness leakage or 'slippage' as the extreme hardness will find a channel through the resin bed.

The WaterGroup High-Efficiency Dual Pass (HEDP) Water Softener uses a two tank system to prevent this problem. The first tank acts as the workhorse by significantly reducing the water hardness. The second tank acts as a 'polisher' and prevents slippage as the overpowering high hardness condition has been significantly reduced. This also increases the contact time with the softening resin meaning more consistent, softer water.

Salt efficiency is even more important on high hardness situations. The WaterGroup HEDP offers salt-efficient reverse flow regeneration with precision brining for ultimate salt savings.

- ➔ Two tank system provides softer, more consistent water quality and prevents hardness slippage which can occur in single tank systems
- ➔ Perfect for high hardness (typically > 75 gpg) residential and light commercial applications such as boiler feed systems
- ➔ More cost effective than larger single tank systems
- ➔ Reverse Flow Regeneration preserves unused portion of softening bed from unnecessary exchange saving salt

Specifications	WG185HEDP-100	WG185HEDP-150	WG185HEDP-200	WG185HEDP-250
	2192-1	2193-1	2194-1	2195-1
Factory Settings				
Salt Used - Per Regeneration	12.0 lbs	18.0 lbs	24.0 lbs	30.0 lbs
Water Used - Regeneration	86.4 gal	148 gal	162.4 gal	224.8 gal
Hardness Removal - Grains	30,000	45,000	60,000	75,000
Tank #1 Resin Quantity - Cubic Feet	1.0 ft	1.50 ft	2.0 ft	2.5 ft
Tank #2 Resin Quantity - Cubic Feet	1.0 ft	1.50 ft	2.0 ft	2.5 ft
Tank Size	9x48	10x54	12x52	13x54
Tank Jacket / Media Loaded	Yes	Yes	No	No
Brine Tank / Cabinet Size (Inches)	23.0 x 40.5	23.0 x 40.5	23.0 x 40.5	29.1 x 50.2
Salt Storage Capacity	350 lbs	420 lbs	420 lbs	420 lbs
Flow Rate @ 15 psi Pressure Drop	7.2 gpm	7.4 gpm	9.0 gpm	9.2 gpm
Flow Rate @ 25 psi Pressure Drop	10.0 gpm	10.1 gpm	11.9 gpm	12.1 gpm
Back Wash Flow Rate	2.0 gpm	2.4 gpm	3.5 gpm	4.0 gpm
Shipping Weight	184 lbs	201 lbs	244 lbs	262 lbs
Regeneration Type	Counter Current / Up Flow			
Plumbing Connections	Includes 3/4" 90° Elbows & 1" Straight NPT			
Resin Type	Canature 8% High Capacity Ion Exchange Resin			
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA			
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit			
Water Pressure	Min. 20 - Max. 125 psi			

Specialty Systems: 185 NeutraSoft Two Tank Water Conditioning System

Neutralize Corrosiveness & Remove Hardness to Protect Fixtures, Pipes & Appliances

Acidic waters on contact slowly dissolve the Calcite media contained in the first tank to raise the pH which reduces the potential leaching of copper, lead and other metals typically found in plumbing systems.

As the Calcite neutralizes the water, it will increase the hardness of the water. The second tank contains cation exchange resin to remove the hardness leaving you with pH balanced, luxuriously soft water.

Features:

- ➔ Economical two tank system is operated using one control valve. Simplifies installation and lowers cost.
- ➔ Dome hole neutralizing tank allows for easy replenishment of consumable calcite media
- ➔ Exclusive WG 185UF Series control valve with reliable electronic sensors, piston, seals and spacer technology
- ➔ High-efficiency upflow regeneration for ultimate salt savings and softer water
- ➔ Time saving quick connect fittings for faster, easier installation
- ➔ Factory installed one-piece bypass with incorporated meter
- ➔ Fully adjustable cycle times
- ➔ Meter Immediate, Meter Delayed, Meter with Day Override
- ➔ Integrated turbine meter
- ➔ 48 hour self charging battery back-up keeps time-of-day stored while program settings are kept in permanent memory
- ➔ Large user friendly color display shows time of day, total remaining capacity, and flow indication
- ➔ Simple electronics and programming.
- ➔ Lifetime Warranty on NSF Certified tank
- ➔ Seven year warranty on NSF Certified control valve



Specifications	WG185HNU45
	2196-1
Service Flow Rates	
Normal	5.0 gpm
Peak	8.0 gpm
Backwash Flow Rate	5.0 gpm
Filter Media Volume - Cubic Feet	1.5 ft
Resin Quantity - Cubic Feet	1.5 ft
Tank Size	10x54
Tank Jacket / Media Loaded	No
Brine Tank / Cabinet Size (Inches)	18.1 x 34.5
Salt Storage Capacity	240 lbs
Shipping Weight	311 lbs
Regeneration Type	Counter Current / Up Flow
Plumbing Connections	Includes 3/4" 90° Elbows & 1" Straight NPT
Resin Type	Canature 8% High Capacity Ion Exchange Resin
pH Adjustment Media	Canature Calcite
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit
Water Pressure	Min. 20 - Max. 125 psi

