

# WaterGroup®

## WaterGroup 185 Series Specialty Combination Systems

### 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.

#### Types of Specialty Systems:

##### **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.

Tannins, caused by decaying organic matter, are normally found in surface water systems and cause a yellow or brown color in the water that does not settle and will stain laundry.

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

##### **SIM Series**

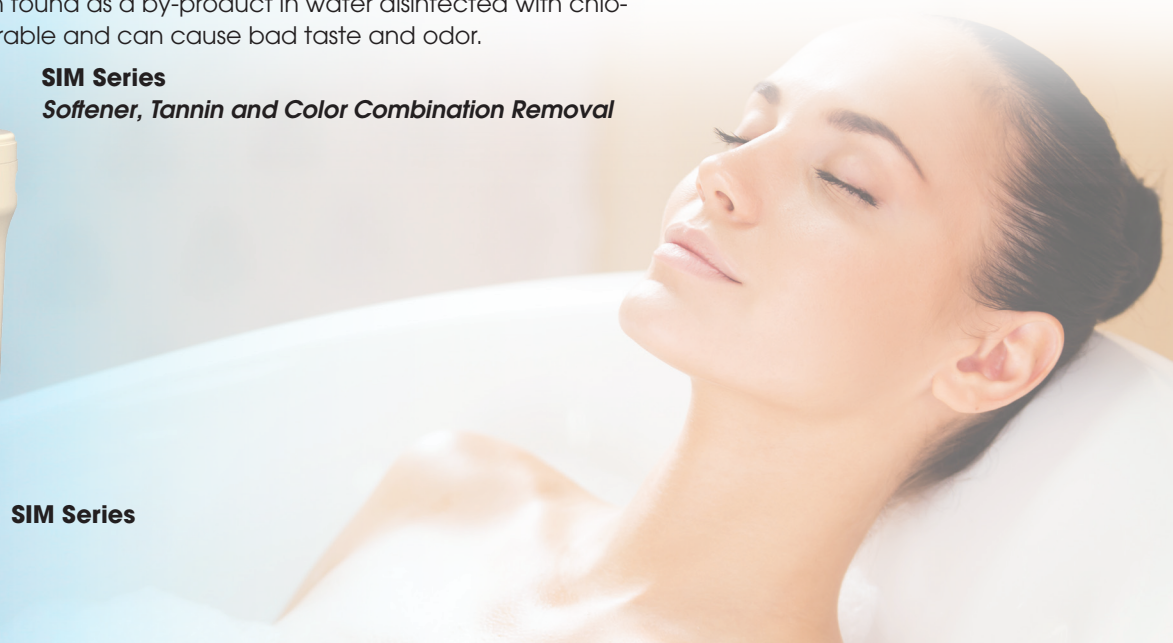
*Softener, Tannin and Color Combination Removal*



**SIMTAN PLUS Series**



**SIM Series**



## SIMTAN Plus Series Specifications

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

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

## SIM Series Specifications

Specifications	WG185SIM30	WG185SIM45	WG185SIM60	WG185SIM90	WG185SIM30+
	2137	2138	2139	2178	2140
<b>Factory Settings - Iron &amp; Manganese</b>					
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				

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

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