

WaterGroup®

WaterGroup 185 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

Hardness, Iron, Manganese, Natural Organic Matter (including Tannins)

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.



Specifications	WG185UFSIMTAN-100	WG185UFSIMTAN-150	WG185UFSIMTAN-200	WG185UFSIMTAN-300*
Purolite 850 Models*	2180-1-850	2181-1-850	2182-1-850	2183-1-850
Purolite 860 Models*	2184-1-860	2185-1-860	2186-1-860	2187-1-860
Factory Settings - Iron & Manganese				
Salt Used - Per Regeneration	12.0 lbs	18.0 lbs	24.0 lbs	36.0 lbs
Water Used - Regeneration	100 gal ± 10%	175 gal ± 10%	224 gal ± 10%	228 gal ± 10%
Hardness Removal - Grains	30,000	45,000	60,000	90,000
Tannins Removal	2,000 ppm	3,000 ppm	4,000 ppm	6,000 ppm
Tank #1 Resin Quantity - Cubic Feet	1.0 ft ³	1.5 ft ³	2.0 ft ³	3.0 ft ³
Tank #2 Resin Quantity - Cubic Feet	1.0 ft ³	1.5 ft ³	2.0 ft ³	3.0 ft ³
Tank Size	10x54	12x52	13x54	14x65
Tank Jacket	Yes	No	No	No
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	2.4 gpm	4.0 gpm	5.0 gpm	5.0 gpm
Shipping Weight	200 lbs	272 lbs	358 lbs	514 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 Total Iron: Total iron = iron x 1 plus manganese x 2**	pH <7.2 - 10.0 ppm Total Iron; pH >7.2 - 7.0 ppm Total Iron			
Maximum Manganese (See Total Iron)**	5.0 ppm			
Maximum TDS	1500 mg/l			
Resin Type	Fine Mesh / 850 or 860 Anion Resin			
Plumbing Connections	Includes 3/4" 90° Elbows NPT			
Electrical Requirements	Input 120V 60 Hz - Output 12V 550mA			
Water Temperature	Min 39 - Max. 100° F			
Water Pressure	Min. 20 - Max. 125 psi			

*Media not loaded in mineral tank.

** SEE PRODUCT DATA SHEETS FOR IAPMO IRON REDUCTION SPECIFICATIONS.



7 Year Warranty Control Valve



Lifetime Warranty Pressure tank



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

A Division of



All Specialty Systems	
Plumbing Connections	Includes 3/4" 90° Elbows 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



Includes ResCare Feeder Plus 1 Quart of Res Care



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