

NovoClear 485 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.



IAPMO R & T Certified
Against NSF/ANSI 44 and
CSA B483.1



Specifications	NVO485UFSIMTAN-100	NVO485UFSIMTAN-150	NVO485UFSIMTAN-200	NVO485UFSIMTAN-300*
Purolite 850 Models	15010480-1	15010481-1	15010482-1	15010483-1
Purolite 860 Models	15011480-1	15011481-1	15011482-1	15011483-1
Factory Settings - Iron & Manganese				
Salt Used - Per Regeneration	100 gal ± 10%	175 gal ± 10%	224 gal ± 10%	228 gal ± 10%
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	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 / Upflow			
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 degree elbows and 1" straight connectors			
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.



7 Year Warranty
Control Valve



Lifetime Warranty
Pressure tank



**SIM Series includes Pro
Easy Feeder Starter Kit.**



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