

NOVO 485 SIM SERIES

SIM Series

Softener, Ferrous Iron and Manganese Combination Removal

Combining proven water softener capabilities with the ability to remove clear water iron, the SIM Series system provides an effective and economical solution to hard and iron contaminated water. In addition, the system, 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.

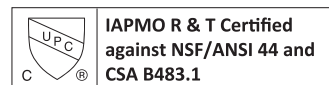
The SIM Series system contains a bed of fine mesh ion exchange resin beads. As water passes through the bed, calcium and magnesium, the hardness minerals, and any clear water iron are removed and held by the resin.

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	485SIM-100 15010460	485SIM-150 15010461	485SIM-200 15010462	485SIM-300 15010463
Factory Settings - Iron & Manganese				
Salt Used - Per Regeneration	12.0 lbs	18.0 lbs	24.0 lbs	36.0 lbs
Water Used - Regeneration	52.2 gal	74.4 gal	101.4 gal	166 gal
Hardness Removal - Grains	30,000	45,000	60,000	90,000
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
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	2.1 gpm	2.4 gpm	3.5 gpm	5.0 gpm
Shipping Weight	125 lbs	158 lbs	175 lbs	247 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	¾" and 1" connections
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit
Water Pressure	Min. 20 - Max. 125 psi



SIM Series includes Pro Easy Feeder Starter Kit.



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