

Novo 485 SIM Series

SIM Series

Softener, Iron and Manganese Combination Removal

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

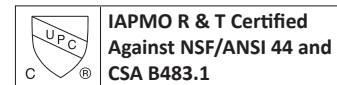
The SIM Series system contains a bed of fine mesh ion exchange resin beads. As water passes through the bed, calcium and magnesium, the hardness minerals, and any clear water iron are removed and held by the resin.

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 | NVO485DFSIM-100 | NVO485DFSIM-150 | NVO485DFSIM-200 | NVO485DFSIM-300* |
|--|---|-----------------|-----------------|------------------|
| | 15010460 | 15010461 | 15010462 | 15010463 |
| Factory Settings - Iron & Manganese | | | | |
| Salt Used - Per Regeneration | 12.0 lbs | 18.0 lbs | 24.0 lbs | 36.0 lbs |
| Water Used - Regeneration | 124 gal ± 10% | 215 gal ± 10% | 274 gal ± 10% | 278 gal ± 10% |
| Hardness Removal - Grains | 30,000 | 45,000 | 60,000 | 90,000 |
| Filter Media Volume (ft3) | 1.0 ft³ | 1.5 ft³ | 2.0 ft³ | 3.0 ft³ |
| Garnet | Yes | Yes | Yes | Yes |
| Tank Size | 10x54 | 12x52 | 13x54 | 14x65 |
| Tank Jacket | Yes | Yes | No | No |
| Media Loaded | Yes | Yes | No | No |
| Brine Tank 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 | 2.4 gpm | 4.0 gpm | 5.0 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 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 | | | |
| Resin Type | Fine Mesh | | | |
| Plumbing Connections | Comes with 3/4" 90 degree elbow connectors | | | |
| Electrical Requirements | Input 120V 60 Hz - Output 12V 650mA | | | |
| Water Temperature | Min 39 - Max. 100° F | | | |
| Water Pressure | Min. 20 - Max. 125 psi | | | |

*Media not loaded in mineral tank.



SIM Series includes Pro Easy Feeder Starter Kit.



7 Year Warranty Control Valve



Lifetime Warranty Pressure tank

| 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 |

Your Local Plumbing Professional