

Water Softener

Water Softener with Iron and Manganese Reduction

The SIM Series system offers a cost-effective and reliable solution for treating hard water and reducing iron contamination. Third-party certified for iron reduction, the SIM uses fine mesh ion exchange resin to reduce clear water iron and manganese while softening water.

KEY FEATURES

MAXIMUM HARDNESS: Softens up to 75 grains per gallon of hardness.

MAXIMUM TOTAL IRON: Removes 10.0 ppm total iron in water with a pH below 7.2 and 7.0 ppm total iron in water with a pH above 7.2.

Total Iron Calculation = (Iron ppm x 1) + (Manganese ppm x 2).

MAXIMUM MANGANESE: 5.0 ppm (see total iron calculation).

TANK FEATURES: Brine tank with safety float, air check and injection molded brine grid to reduce bridging. Moisture wicking neoprene tank jacket included on all pressure tanks.

VALVE FEATURES

PLUMBING ADAPTERS

Comes with two 90° elbow adapters.

UNIQUE BYPASS DESIGN

Integrated turbine meter saves space, eliminates connections and is more durable.

TIMESAIVING QUICK CONNECT FITTINGS & PRE-INSTALLED

BYPASS Quick connect fittings on bypass, drain line (10' included), brine line and power cord for easier, faster installations.

BACKLIT LCD DISPLAY

"No Touch" display rotates key information including last regeneration date and volume remaining.

USER-FRIENDLY PROGRAMMING

Just set the time, date, number of people and hardness.



COMPONENT



CONTROL VALVE



PRESSURE TANK



**INCLUDES PRO
EASY FEEDER
STARTER KIT**



IAPMO R&T Certified to NSF/ANSI 42, 372 and CSA B483.1.

Technical Specifications

QUICK LINKS



Homeowner's Manual



Installation Guide



Maintenance Guide



Trouble Shooting Guide



Parts Breakdown



Programming Guide



Warranty Sheet

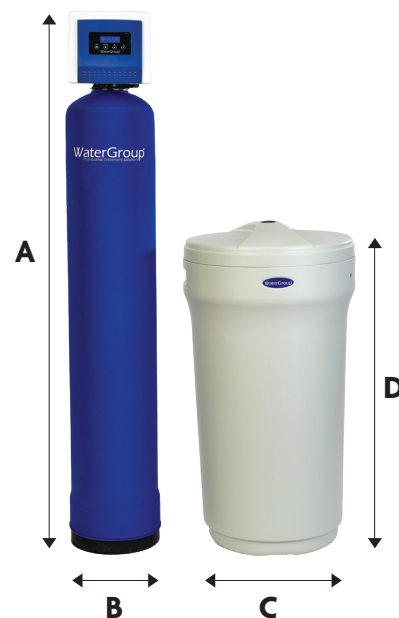
PROFESSIONALLY ENGINEERED FOR PERFORMANCE

MODEL NUMBER	WG185DFSIM-100	WG185DFSIM-150	WG185DFSIM-200	WG185DFSIM-300
Item Number	82137	82138	82139	82178
FACTORY SETTINGS - IRON & MANGANESE				
Salt Used Per Regeneration	12.0 lbs	18.0 lbs	24.0 lbs	36.0 lbs
Water Used Per Regeneration	124.0 gal $\pm$ 10%	215.0 gal $\pm$ 10%	274.0 gal $\pm$ 10%	278.0 gal $\pm$ 10%
Hardness Removal (Grains)	30,000	45,000	60,000	90,000
Filter Media Volume - Cubic Feet	1.0 ft ³	1.5 ft ³	2.0 ft ³	3.0 ft ³
Garnet	Yes	Yes	Yes	Yes
Pressure Tank Size (Inches)	10 x 54	12 x 52	13 x 54	14 x 65
Media Loaded	Yes	Yes	No	No
Salt Storage Capacity	240 lbs	350 lbs	350 lbs	420 lbs
Flow Rate @ 15 psi Pressure Drop	11.0 US gpm	11.2 US gpm	12.2 US gpm	12.6 US gpm
Flow Rate @ 25 psi Pressure Drop	15.0 US gpm	15.1 US gpm	16.2 US gpm	16.6 US gpm
Backwash Flow Rate	2.4 US gpm	4.0 US gpm	5.0 US gpm	5.0 US gpm
Shipping Weight	120 lbs	161 lbs	214 lbs	300 lbs
Regeneration Type	DOWNFLOW (COCURRENT)			
Maximum Hardness	75 GRAINS PER GALLON			
Maximum Total Iron (Ferrous)Total Iron = (Iron ppm x 1) + (Manganese ppm x 2)	10.0 PPM TOTAL IRON FOR PH < 7.2			
Maximum Manganese (See Total Iron)	7.0 PPM TOTAL IRON FOR PH $\geq$ 7.2			
Resin Type	AQUAFINE® FINE MESH ION EXCHANGE RESIN			
Plumbing Connections	INCLUDES 3/4" 90° NPT ELBOWS			
Electrical Requirements	INPUT 120V 60 Hz - OUTPUT 12V 650mA			
Water Temperature Limits	MIN 40° - MAX 110° F (4° - 43° C)			
Water Pressure Limits	MIN 30 - MAX 125 PSI (207 - 862 KPA)			

Above units supplied with easy feeder and 64oz bottle of Rescare.

DIMENSIONS

WG185DFSIM	100	150	200	300
TANK/ VALVE A x B (inches)	62 x 10	60 x 12	62 x 13	74 x 14
BRINE TANK C x D (inches)	18.1 x 34.5	20.3 x 37.4	20.3 x 37.4	23.0 x 40.5



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DESIGNED, ENGINEERED & ASSEMBLED IN NORTH AMERICA

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