

# DAKOTAHO

Residential Water Softening System

## Performance Data Sheet

THESE UNITS ARE CERTIFIED BY IAPMO R&T TO NSF-44 STANDARDS, INCLUDING OPTIONAL SALT AND WATER EFFICIENCY STANDARDS.



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DS24-WC, DS32-WC, DST24-WL, DST24-WX, DST32-WL, DST32-WX, DST48-WL, and DST60-WL are certified by IAPMO R&T against NSF/ANSI 44 and NSF/ANSI/CAN 372.



# DAKOTAH

## Residential Water Softening System

### Performance Data Sheet



DAKOTAH Series water softeners are built to last by Water Control Corporation, a leader in residential and commercial water treatment technologies.

All models feature digital, programmable valves, high flow capacities, and standard 1" pipe connections (optional 3/4" available upon request).

- 3 year valve warranty\*
- 5 year tank warranty\*

#### NOTE:

- This equipment is not intended to be used for treating water that is microbiologically unsafe or of unknown quality without disinfection before or after the system.
- This system and installation must comply with local and state laws and regulations.
- Efficiency rated water softeners shall have a rated salt efficiency of not less than 3,350 grains of total hardness exchange per pound of salt (based on NaCl equivalency) (477 g of total hardness exchange per kilogram of salt) and shall not deliver more salt or be operated at a sustained maximum service flow rate greater than its listed rating.
- Efficiency is measured by a laboratory test described in NSF/ANSI 44; that the test represents the maximum possible efficiency the system can achieve; that operational efficiency is the actual efficiency achieved after the system has been installed; and that operational efficiency is typically less than the efficiency due to individual application factors including water hardness, water usage, and other contaminants that reduce the softener's capacity.
- Efficiency rated water softener is a DIR softener, which also complies with specific performance specifications intended to minimize the amount of regenerant brine and water used in its operation

\*WCC recommends the use of clean, pellet salt.

\*See official warranty for details.

SPECIFICATIONS	Cabinet Models		Two-Tank Models					
	DS24-WC	DS32-WC	DST24-WL	DST24-WX	DST32-WL	DST32-WX	DST48-WL	DST60-WL
DAKOTAH SERIES	DS24-WC	DS32-WC	DST24-WL	DST24-WX	DST32-WL	DST32-WX	DST48-WL	DST60-WL
Max Flow Rate (GPM) <sup>1</sup>	8	9	12	13	13	14	14	18
Backwash Rate (GPM)	1.3	1.7	1.3	1.7	1.7	2.2	2.2	3.2
Cubic Feet of Media	0.60	0.75	0.75	0.75	1.00	1.00	1.50	2.00
Standard Capacity (Grains)	15,532	19,415	19,415	19,415	25,887	25,887	38,830	51,773
Standard Capacity Salt Setting (Lbs)	2.70	3.38	3.38	3.38	4.50	4.50	6.75	9.00
Maximum Capacity (Grains) <sup>2</sup>	18,820	23,525	23,525	23,525	31,367	31,367	47,050	62,734
Max Iron Capacity (PPM)	2	2	2	2	2	2	2	2
Mineral Tank Dimensions (Inches)	8 X 35	9 X 35	8 X 44	9 X 48	9 X 48	10 X 44	10 X 54	12 X 52
Brine Tank Dimensions (Inches)	14 X 20	14 X 20	18 X 33	18 X 33	18 X 33	18 X 33	18 X 33	18 X 33
Brine Tank Salt Capacity (Lbs)	200	200	300	300	300	300	300	300
Overall Height (Inches)	44"	44"	52"	56"	56"	52"	62"	60"
Inlet/ Outlet Pipe Size <sup>3</sup>	1"	1"	1"	1"	1"	1"	1"	1"
Inlet/ Outlet Height (to center)	39"	39"	46.5"	50.5"	50.5"	46.5"	56.5"	54.5"
Pipe Centers	3"	3"	3"	3"	3"	3"	3"	3"
Approx. Shipping Weight (Lbs)	61	67	69	71	84	84	114	144

<sup>1</sup> Flow rate at 15 psid

<sup>2</sup> The capacity rating is based on a salt setting of 15 lbs/cuft. This setting is not certified by IAPMO R&T against NSF/ANSI 44 and the claim is coming from manufacturer's internal testing only. This setting does not meet salt or water efficiency requirements as defined by NSF/ANSI 44.

<sup>3</sup> Standard unit features 1" NPTM connection. Other connection configurations are available. Contact WCC for additional information.

\* System operating pressure is 20 psi minimum and 100 psi maximum.

\* System operating temperature is 40F minimum and 110 F maximum.