

Freedom Series

Water Softener

Optimized Regeneration:

Soft water from the regenerated unit is used to regenerate the spent tank, increasing the efficiency of the brine and regeneration.

Continuous Soft Water:

24 hours a day with one unit in service and one unit in standby.

Solid State Metered Control:

Displays Flow Rate, Capacity Remaining, Time, Days until Regeneration, and Total Volume Used.

Corrosion Resistant:

Norell[®] Body Control Valve with integrated easy access flow meter.

Bypass Assembly Included:

Simple low cost installation.

Optional Regeneration Settings:

Meter Immediate, Meter Delayed, Time Clock Delayed, and External Contact.

Easy to Retrieve Performance Data:

Retrievable Daily water usage log up to 63 days.

Saved/Lockable Programming:

Password protection prevents unwanted changes to program settings.
Lithium Ion Battery backup.

Available 1" or 1.25" Inlet/Outlet

One Control, Two Tanks

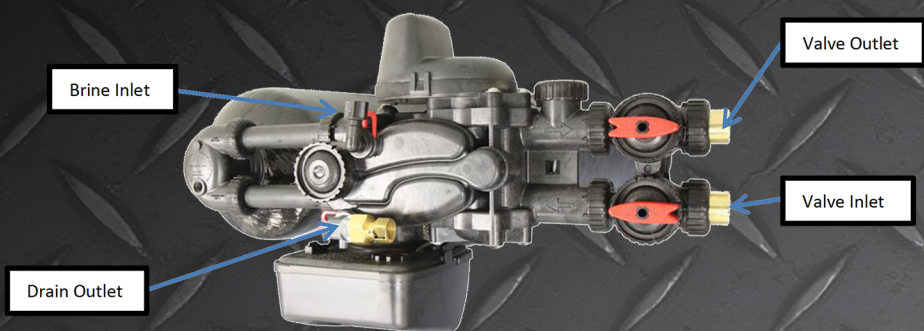
Soft Water Regen, Minimize Salt Usage, Double the capacity and Lifespan of a single tank system.



Approved By:



⁽¹⁾ MODEL (T1: 1-Tank Softener) (T2: 2-Tank Softener)	⁽²⁾ CAPACITY & SALT per REGENERATION				FLOW RATE (GPM)			SOFTENER TANK(S)		BRINE TANK		PLUMBING	
	MAXIMUM		MINIMUM		CONT. @ 15psi Drop	PEAK @ 25psi Drop	BACKWASH gpm	DIMEN's Dia x Ht	RESIN Cu Ft	DIMEN's Dia x Ht	CAPACITY Lbs.	SERVICE Inches	DRAIN Inches
DCS7-15-100	15,000	7.5lb	12,500	5lb	13	18	1.7	8 x 44	0.5	18 x 33	300	1	¾
DCS7-24-100	24,000	12 lb	20,000	8 lb	11	15	1.7	8 x 44	0.8	18 x 33	300	1	¾
DCS7-30-100	30,000	15 lb	25,000	10 lb	13	18	2.2	9 x 48	1	18 x 33	300	1	¾
DCS7-45-100	45,000	23 lb	37,500	15 lb	13	19	2.7	10 x 54	1.5	18 x 40	400	1	¾
DCS7-60-100	60,000	30 lb	50,000	20 lb	16	24	3.2	12 x 52	2	18 x 40	400	1	¾
DCS7-75-100	75,000	38 lb	62,500	25 lb	17	26	4.2	13 x 54	2.5	18 x 40	400	1	¾
DCS7-90-100	90,000	45 lb	75,000	30 lb	18	28	5.3	14 x 65	3	24 x 50	900	1	¾
DCS7-120-100	120,000	60 lb	100,000	40 lb	18	28	6.5	16 x 65	4	24 x 50	900	1	¾
DCS7-150-100	150,000	75 lb	125,000	50 lb	19	28	9	18 x 65	5	24 x 50	900	1	¾
DCS7-180-100	180,000	90 lb	150,000	60 lb	20	28	10	21 x 62	6	24 x 50	900	1	¾
DCS7-210-100	210,000	105 lb	175,000	70 lb	18	27	10	21 x 62	7	24 x 50	900	1	¾



MODEL (T1: 1-Tank System) (T2: 2-Tank System)	(T2) 2-TANK System FOOTPRINT L" x W" x H"	SHIPPING WEIGHT Lbs
DCS7-15-100	51 x 18 x 52	127
DCS7-24-100	51 x 18 x 52	152
DCS7-30-100	51 x 18 x 56	183
DCS7-45-100	52 x 18 x 63	253
DCS7-60-100	56 x 18 x 61	318
DCS7-75-100	56 x 18 x 63	424
DCS7-90-100	65 x 24 x 74	489
DCS7-120-100	69 x 24 x 74	738
DCS7-150-100	73 x 24 x 74	978
DCS7-180-100	77 x 24 x 71	1138
DCS7-210-100	77 x 24 x 71	1238

Independantly Tested Resin:

Every batch of high capacity virgin polystyrene softening resin is tested to ASTM D2187-94 to assure its performance.

Fiberglass Wound Tanks:

Mineral tanks have a polyethylene inner shell that is externally wound with continuous fiberglass filament for seamless corrosion proof construction. These tanks are 1/3 the weight of a comparable size steel tank for ease of installation and handling.

ABS Plastic Underdrain

High flow ABS plastic underdrain allows minimum pressure loss and even distribution of service and regeneration water.

Utility Specs:

Supply Voltage: 120V AC
Supply Frequency: 60 Hz
Output Voltage: 12V AC
Output Current: 500mA
Temperature: 40-110°F
Pressure: 20-125 psi

U.S.A.
 120V AC
 60 Hz
 12V AC
 500mA
 40-110°F
 20-125 psi

International
 230V AC
 50 Hz
 12V AC
 500mA



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