



## Commercial Heavy Duty Water System With 2" Eco Flow-Pack™ Valve

FC-ED Models: 5102, 5132, 5162, 5192, 5252,  
5322, 5362, 5452, 5602

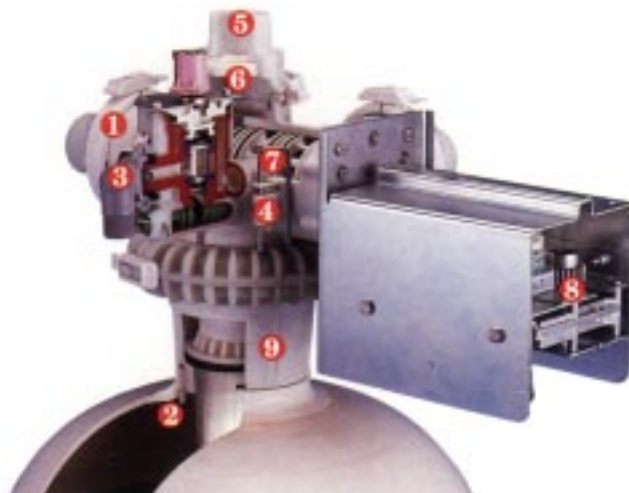
### FEATURING:

- Innovative 2' Eco Flow-Pack™ Valve
- Fully Programmable
- Electronic Demand Control Module
- True Alternator System
- EcoWater's Exclusive EcoGizer™ Process
- Dynamic Brine-Making System
- Counter-Current Brining
- Washed Quartz Underbedding
- Aqua Turbine™
- Safe 24-Volt Electronics
- Self-Cleaning Upper and Lower Distributors
- High-Density Salt Storage Tank
- Exceptional Flow Rates
- E.A.S.E. Diagnostic Capabilities
- Non-Volatile Memory

## 2" Eco Flow-Pack™ Valve

ANOTHER ECOWATER INNOVATION

- ❶ Snap Clamp Rings For Ease Of Connecting
- ❷ Screened Top Distributor
- ❸ Brine Make-Up Flow Control
- ❹ Pin Quick Disconnect Injector Housing
- ❺ 2" NPT Union Connections



- ❻ Adjustable Backwash Flow Control
- ❼ Full 2' Ported Flow Passage In Plastic Valve Housing
- ❽ High Torque 24 V-DC Motor
- ❾ Valve Tank Adaptor Allows Easy Access Into Tank With Clamp Ring Connector

# EcoWater Series 5000 Commercial Heavy Duty Water System With 2" Eco Flow-Pack™ Valve

## SPECIFICATIONS:

Model:	5102FC-ED	5132FC-ED	5162FC-ED	5192FC-ED	5252FC-ED	5322FC-ED	5362FC-ED	5452FC-ED	5602FC-ED	
	Salt Dosage		Grains Capacity*							
Grains Capacity at Salt Dosage	4 lbs/cuft»	54,000	72,000	90,000	108,000	144,000	180,000	216,000	270,000	360,000
	6 lbs/cuft»	72,000	96,000	120,000	144,000	192,000	240,000	288,000	360,000	480,000
	8 lbs/cuft»	84,000	112,000	140,000	168,000	224,000	280,000	336,000	420,000	560,000
	10 lbs/cuft»	93,000	124,000	155,000	186,000	248,000	310,000	372,000	465,000	620,000
	12 lbs/cuft»	99,000	132,000	165,000	198,000	264,000	330,000	396,000	495,000	660,000
Resin Tank Size (in)	17 x 58	17 x 58	17 x 72	24 x 72	24 x 72	24 x 72	30 x 72	30 x 72	36 x 72	
Resin Quantity (Cu It)	3	4	5	6	8	10	12	15	20	
Connecting Pipe Size	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT	
Salt Tank Size (in)	24 a 41	24 x 41	24 x 50	31 x 51	31 a 51	31 x 51	31 x 51	31 x 51	41 x 51	
Salt Tank Capacity (Ib)	700	700	1000	1500	1500	1500	1500	1500	2500	
Operating Pressure	30 - 125 psi	30 - 125 psi	30 - 125 psi	30 - 125 psi	30 - 125 psi	30 - 125 psi	30 - 125 psi	30 - 125 psi	30 - 125 psi	
Operating Temperature	35 - 100°F	35 - 100°F	35 - 100°F	35 - 100°F	35 - 100°F	35 - 100°F	35 - 100°F	35 - 100°F	35 - 100°F	
Max. Drain Flow (gpm)	7	7	7	12	12	12	24	24	32	
Recharge Water Use (gal)	151	166	181	271	302	332	543	588	784	
Max. Clear Water Iron	5 ppm	5 ppm	5 ppm	5 ppm	5 ppm	5 ppm	5 ppm	5 ppm	5 ppm	
Electrical Rating	24V/60 Hz	24V/60 Hz	24V/60 Hz	24V/60 Hz	24V/60 Hz	24V/60 Hz	24V/60 Hz	24V/60 Hz	24V/60 Hz	

\* The Grains Capacity are for counter-current regeneration sizing purposes. The actual capacity could be 5% 10% greater than shown for each salt dosage.

## OPERATIONAL FLOWS:

Model	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)											
	10 GPM	20 GPM	30 GPM	40 GPM	50 GPM	60 GPM	70 GPM	80 GPM	90 GPM	100 GPM	110 GPM	120 GPM
5102FC	1.5 ΔP	3.5 ΔP	6.0 ΔP	9.0 ΔP	12.5 ΔP	16.5 ΔP						
5132FC	2.0 ΔP	4.5 ΔP	7.5 ΔP	11.0 ΔP	15.5 ΔP	20.0 ΔP	25.0 ΔP					
5162FC	2.5 ΔP	5.0 ΔP	9.0 ΔP	13.0 ΔP	18.0 ΔP	23.0 ΔP	29.0 ΔP	35.0 ΔP				
5192FC	1.0 ΔP	2.0 ΔP	4.0 ΔP	6.5 ΔP	9.0 ΔP	12.0 ΔP	15.0 ΔP	19.0 ΔP	23.0 ΔP			
5252FC	1.0 ΔP	2.5 ΔP	4.5 ΔP	7.0 ΔP	9.5 ΔP	12.5 ΔP	16.0 ΔP	20.0 ΔP	24.0 ΔP	28.0 ΔP		
5322FC	1.0 ΔP	3.0 ΔP	5.0 ΔP	7.5 ΔP	10.5 ΔP	14.0 ΔP	18.0 ΔP	22.0 ΔP	26.0 ΔP	31.0 ΔP		
5362FC		2.0 ΔP	3.5 ΔP	5.5 ΔP	7.5 ΔP	10.0 ΔP	13.0 ΔP	16.0 ΔP	20.0 ΔP	23.0 ΔP	27.0 ΔP	31.0 ΔP
5452FC		2.5 ΔP	4.0 ΔP	6.0 ΔP	8.0 ΔP	11.0 ΔP	14.0 ΔP	17.0 ΔP	21.0 ΔP	25.0 ΔP	29.0 ΔP	33.0 ΔP
5602FC			3.0 ΔP	5.0 ΔP	7.0 ΔP	9.0 ΔP	12.0 ΔP	15.0 ΔP	18.0 ΔP	21.0 ΔP	25.0 ΔP	29.0 ΔP

Key:

- System design flow rates
- For intermittent use only
- Not for use on these flow rates

The above data was obtained from tests run by the University of Minnesota St. Anthony Falls Engineering Lab.

**DIMENSIONS**

Model	A Resin Tank Diameter	B Resin Tank Height	C Inlet-Outlet Height	D Overall Height	E Brine Tank Diameter	F Brine Tank Height	G Single
5102, 5132	17"	58"	67"	72.5"	24"	41"	41"
5162	17"	72"	81"	86.5"	24"	50"	47"
5192, 5252, 5322	24"	72"	81"	86.5"	31"	51"	60"
5362, 5452	30"	72"	88"	93.5"	31"	51"	66"
5602	36"	72"	88.5"	94"	41"	51"	80"