

# EF/XF SERIES

## WATER SOFTENERS

WCC's "EF" and "XF" Series softeners feature 1¼" water-ways with 1" and 1¼" service connections respectively, light duty electronic control valves, high-strength fiberglass-reinforced mineral tanks, and long-lasting synthetic cation resin. This series is perfectly designed for retail spaces, restaurants, clinics, and office complexes.



### SPECIFICATIONS

Model Series Number	Exchange Capacity* (grains)			Valve Size (in)	Cv	Flow Rate (GPM)			Pipe Size (in)		Back Wash (GPM)	Resin (cu.ft.)	Brine Tank Capacity (lbs)	Regen. Time (min)	Tank Size (in)		Approx. Ship Weight (lbs)
	Min <sup>1</sup>	Mid <sup>2</sup>	Max <sup>3</sup>			7 psid	Cont. 15 psid	Peak 25 psid	Service	Drain					Resin	Salt	
EF-32-MR	23000	27000	30000	1 ¼	5.7	15.0	22	28	1	¾	3	1	250	88	10 X 44	18 X 33	125
EF-48-MR	36800	43200	48000	1 ¼	4.9	13.0	19	25	1	¾	1.7	1.6	225	88	10 X 54	18 X 33	150
EF-60-MR	46000	54000	60000	1 ¼	6.5	17.1	25	32	1	¾	3	2	225	88	12 x 52	18 X 33	200
EF-90-MR	69000	81000	90000	1 ¼	6.2	16.4	24	31	1	¾	5	3	650	90	14 x 65	24 X 50	300
EF-120-MR	92000	108000	120000	1 ¼	6.5	17.1	25	32	1	¾	7	4	650	94	16 x 65	24 X 50	350
EF-150-MR	115000	135000	150000	1 ¼	5.4	14.3	21	27	1	¾	5	5	625	96	16 x 65	24 X 50	425
EF-150X-MR	115000	135000	150000	1 ¼	7.0	18.4	27	35	1	¾	9	5	625	96	18 x 65	24 X 50	450
EF-180-MR	138000	162000	180000	1 ¼	6.7	17.8	26	34	1	¾	12	6	600	96	21 x 62	24 X 50	600
XF-30-MR	23000	27000	30000	1 ¼	5.7	15.0	22	28	1 ¼	¾	3	1	250	88	10 X 44	18 X 33	125
XF-48-MR	36800	43200	48000	1 ¼	4.9	13.0	19	25	1 ¼	¾	1.7	1.6	225	88	10 X 54	18 X 33	150
XF-60-MR	46000	54000	60000	1 ¼	6.5	17.1	25	32	1 ¼	¾	3	2	225	88	12 x 52	18 X 33	200
XF-90-MR	69000	81000	90000	1 ¼	6.2	16.4	24	31	1 ¼	¾	5	3	650	90	14 x 65	24 X 50	300
XF-120-MR	92000	108000	120000	1 ¼	6.5	17.1	25	32	1 ¼	¾	7	4	650	94	16 x 65	24 X 50	350
XF-150-MR	115000	135000	150000	1 ¼	5.4	14.3	21	27	1 ¼	¾	5	5	625	96	16 x 65	24 X 50	425
XF-150X-MR	115000	135000	150000	1 ¼	7.0	18.4	27	35	1 ¼	¾	9	5	625	96	18 x 65	24 X 50	450
XF-180-MR	138000	162000	180000	1 ¼	6.7	17.8	26	34	1 ¼	¾	12	6	600	96	21 x 62	24 X 50	600

<sup>1</sup> Based on 7 lbs salt per cubic foot.

<sup>2</sup> Based on 10 lbs salt per cubic foot.

<sup>3</sup> Based on 13 lbs salt per cubic foot.

All "EF and XF" Series softeners utilize series 5812 controllers.

\* Exchange capacity based on treating water with 10 gpg total hardness as CaCo3 and 400 ppm total dissolved solids. Capacities may vary with different influent water characteristics and other factors. Due to varying water conditions, tank sizes and water pressures, the above should only be used as a guideline.

**WITH OVER 50 YEARS OF EXPERIENCE IN THE WATER CONDITIONING AND PLUMBING INDUSTRIES,** WCC CAN DESIGN AND MANUFACTURE EQUIPMENT FOR VIRTUALLY ANY APPLICATION. WE OFFER A COMPLETE MENU OF SERVICES, INCLUDING WATER TESTING, SYSTEM SIZING, BIM MODELING (REVIT®), DELIVERY, SETUP, STARTUP, AND AFTER-MARKET SERVICE PLANS. WE MAINTAIN A UNIQUE FOCUS ON MECHANICAL ENGINEERS, CONTRACTORS, AND THE PLUMBING INDUSTRY. DEPEND ON US TO PROVIDE QUALITY, INNOVATIVE SOLUTIONS FOR ALL YOUR COMMERCIAL WATER CONDITIONING NEEDS.

## HOW TO SPECIFY "EF" or "XF" SERIES SOFTENERS:

**ORDER CODE:**



**MODEL (from other side)**

**SYSTEM SIZE**

Single Tank:

SIMPLEX (MR)

**ORDER CODE:**



**MODEL (from other side)**

**SYSTEM SIZE**

Single Tank:

SIMPLEX (MR)

### Additional Options: (check options below)

- XF ONLY**  Brine Reclamation: Re-uses brine solution for significant salt savings (approx 30%)
- Steel Tank(s) (optional ASME Rating)
- Accu-Pipe Skid-Mounted System (pre-plumbed\*, pre-wired system, mounted on heavy-duty powder-coated steel skid)
- Accu-Pipe LS: Same as Accu-Pipe System, less skid base (piping/wiring only)
- Brine Silo (large volume salt storage / brine generation & delivery system)
- Salt Sock and Access Door (lockable) for blow-in salt delivery

\*Standard piping is grooved, type L copper, other materials available.

For a detailed, model-specific specification, please contact WCC (Water Control Corporation). Detailed drawings also available upon request (CAD® or Revit®).

Water softening system requires a minimum inlet water pressure of 30 psig and maximum of 120 psig. If resin tank is subject to vacuum, an adequate vacuum relief valve must be properly installed. Tank warranty is void if subjected to vacuum. Feed water temperature shall be between 40°F and 100°F. Each control valve requires a 120 volt wall outlet (2-prong, 1.3FLA, 60Hz).



CONTACT YOUR LOCAL  
SALES REPRESENTATIVE

To find your authorized WCC representative,  
please visit: [www.watercontrolinc.com/  
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VISIT US ONLINE

Go to [www.watercontrolinc.com](http://www.watercontrolinc.com), where  
you'll find detailed product specification  
info and application design questionnaires.



SPEAK DIRECTLY WITH ONE OF  
WCC'S DESIGN ENGINEERS

Call 1-866-405-1268 or email  
[techsupport@watercontrolinc.com](mailto:techsupport@watercontrolinc.com).

*We look forward to working with you!*

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