Sterling HF Series

Heavy Commercial Water Softeners

- *Flow rate up to 107 GPM*
- *Capacity to 600K grains*
- *2" top– or side-mount configuration*
- *Steel or fiberglass construction*

Control Valve
The HF Series valve achieves optimum performance using a Teflon-coated, lead-free, solid brass piston and corrosion-resistant spacers and seals. This piston design offers long-term operation with minimal maintenance. Tight tolerances and precision machining optimize piston performance, even in challenging environments.

Regeneration Controller
Sterling offers you a choice of controls to meet the regeneration requirements of any application. Choose from metered regeneration (electronic or mechanical) or time clock activation.

Controls are fully adjustable and easy to operate. The HF Series control operates all steps of regeneration for both single and dual tank configurations, including backwash, downflow brining, slow rinse, rapid rinse, brine refill, and downflow service.

Media Tank
Choice of fiberglass or steel media tanks. Noncorrosive fiberglass tanks are rated for 150 psi operating pressures and environments up to 120°F. Standard steel tanks are epoxy lined and rated for 100 psi operating pressures. Steel tanks are primed and painted for a protective finish. All tanks are NFS approved.

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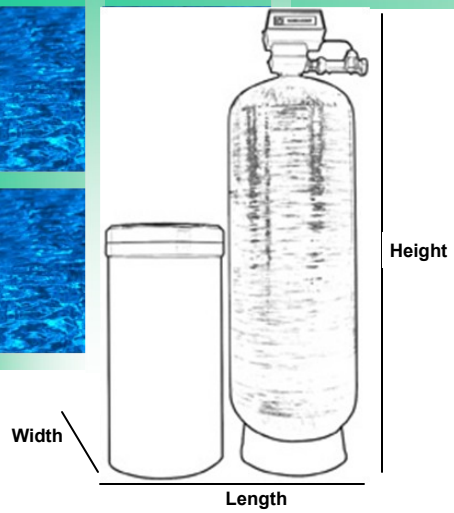

Model Number	Tank Sizes		Installed Dimensions			Shipping Weight
	Softener	Brine Tank	Length	Width	Height	
HF090	14” x 65”	18” x 40”	34”	19”	78”	396 lbs
HF120	16” x 65”	24” x 41”	41”	25”	78”	475 lbs
HF150	18” x 68”	24” x 41”	43”	25”	79”	550 lbs
HF210	21” x 62”	24” x 50”	47”	25”	79”	702 lbs
HF300	24” x 72”	30” x 50”	56”	32”	85”	936 lbs

Model Number	Pipe Size	Max. Capacity/ lbs of Salt	Medium Capacity/ lbs of Salt	Min. Capacity/ Lbs of Salt	Flow Rate (GPM)			Resin Quantity (cu. ft.)
					Continuous Rate @ 15 psi Drop	Peak Rate @ 25 psi Drop	Backwash Rate	
HF090	2”	90,000/45	78,000/27	60,000/18	14	21	5	3
HF190		120,000/60	104,000/36	80,000/24	18	28	6	4
HF150		150,000/75	130,000/45	100,000/30	22	32	8	5
HF210		210,000/105	182,000/63	140,000/42	35	49	12	7
HF300		300,000/150	260,000/90	200,000/60	50	70	15	10
HFM090		90,000/45	78,000/27	60,000/18	14	21	5	3
HFM120		120,000/60	104,000/36	80,000/24	18	28	6	4
HFM150		150,000/75	130,000/45	100,000/30	22	32	8	5
HFM210		210,000/105	182,000/63	140,000/42	35	49	12	7
HFM300		300,000/150	260,000/90	200,000/60	50	70	15	10
DHF090	2”	180,000/90	156,000/54	120,000/36	14	21	5	3
DHF120		240,000/120	208,000/72	160,000/48	18	28	6	4
DHF150		300,000/150	260,000/90	200,000/60	22	32	8	5
DHF210		420,000/210	364,000/126	280,000/84	35	49	12	7
DHF300		600,000/300	520,000/180	400,000/120	50	70	15	10
DHFM090		180,000/90	156,000/54	120,000/36	14	21	5	3
DHFM120		240,000/120	208,000/72	160,000/48	18	28	6	4
DHFM150		300,000/150	260,000/90	200,000/60	22	32	8	5
DHFM210		420,000/210	364,000/126	280,000/84	35	49	12	7
DHFM300		600,000/300	520,000/180	400,000/120	50	70	15	10

NOTE: The letter “D” in prefix indicates dual units; “M” denotes meter initiated regeneration.

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