



- *Rugged control valve*
- *Capacity to 600K grains*
- *2" top — or side-mount configuration*
- *Steel or fiberglass construction*

HF Series

Heavy Commercial Water Softeners

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 regeneration initiation to meet the requirements of any application. Choose from metered regeneration 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 multiple tank configurations, including backwash, downflow brining, slow rinse, rapid rinse, brine refill, and downflow service.



Media Tank

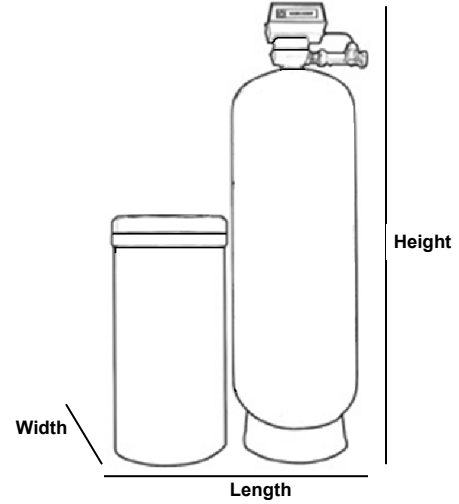
Noncorrosive fiberglass tanks are rated for 150 psi operating pressures and environments up to 120°F. Optional carbon steel mineral tanks are available. Steel tanks are epoxy lined and rated for 100 psi operating pressures. Steel tanks are primed and painted for a protective finish. All tanks meet NSF Standards.



HF SERIES

SPECIFICATIONS

Model Number	Tank Sizes		Installed Dimensions			Shipping Weight
	Softener	Brine Tank	Length	Width	Height	
HF090	14" x 65"	24" x 50"	48"	34"	78"	396 lbs
HF120	16" x 65"	24" x 50"	50"	34"	78"	475 lbs
HF150	18" x 65"	24" x 50"	52"	34"	80"	550 lbs
HF210	21" x 62"	24" x 50"	55"	34"	80"	702 lbs
HF300	24" x 72"	30" x 50"	64"	40"	87"	936 lbs
HF360	24" x 72"	30" x 50"	64"	40"	87"	1040 lbs
HF450	30" x 72"	39" x 48"	79"	49"	94"	1325 lbs
HF540	30" x 72"	39" x 48"	79"	49"	94"	1480 lbs
HF600	36" x 72"	39" x 48"	85"	49"	102"	1850 lbs



Model Number	Pipe Size	Max. Capacity/ lbs of Salt (15# / ft ³)	Medium Capacity/ lbs of Salt (9# / ft ³)	Min. Capacity/ Lbs of Salt (6# / ft ³)	Flow Rate (GPM)			Resin Quantity (cu. ft.)
					Continuous Rate @ 15 psi Drop	Peak Rate @ 25 psi Drop	Backwash Rate	
HFM090	2"	90,000 / 45	72,000 / 27	60,000 / 18	37	57	5	3
HFM120		120,000 / 60	96,000 / 36	80,000 / 24	44	67	7	4
HFM150		150,000 / 75	120,000 / 45	100,000 / 30	51	76	9	5
HFM210		210,000 / 105	168,000 / 63	140,000 / 42	60	87	12	7
HFM300		300,000 / 150	240,000 / 90	180,000 / 60	65	92	15	10
HFM360		360,000 / 180	288,000 / 108	216,000 / 72	59	86	15	12
HFM450		450,000 / 225	360,000 / 135	270,000 / 90	76	105	25	15
HFM540		540,000 / 270	432,000 / 162	324,000 / 108	72	101	25	18
HFM600		600,000 / 300	480,000 / 180	360,000 / 120	84	114	30	20
DHFM090	2"	180,000 / 90	144,000 / 54	120,000 / 36	74	114	5	6
DHFM120		240,000 / 120	192,000 / 72	160,000 / 48	88	134	7	8
DHFM150		300,000 / 150	240,000 / 90	200,000 / 60	102	152	9	10
DHFM210		420,000 / 210	336,000 / 126	280,000 / 84	120	174	12	14
DHFM300		600,000 / 300	480,000 / 180	360,000 / 120	130	184	15	20
DHFM360		720,000 / 360	576,000 / 216	432,000 / 144	118	172	15	24
DHFM450		900,000 / 450	720,000 / 270	540,000 / 180	152	210	25	30
DHFM540		1,080,000 / 540	864,000 / 324	648,000 / 216	144	202	25	36
DHFM600		1,200,000 / 600	960,000 / 360	720,000 / 240	168	228	30	40

NOTE: The letter "D" in prefix indicates dual units; "M" denotes meter initiated regeneration. Peak flow rates should not be used for unit sizing. Alternating standby configuration is available on DHFM series units by using -SB suffix to model number (i.e. DHFM 300-SB). The flow rates of comparable sized single units will apply.

