



“HF” Series Commercial Water Softeners

Water Control “HF” Series softeners feature 3” service connections, large heavy duty brass valves, non-corrosive high-strength fiberglass mineral tanks, timed brine refill, and long-lasting synthetic cation resin. This series is perfectly designed for apartments, hotels, laundries, schools, hospitals, prisons, industrial facilities, cooling towers, and other high flow/high capacity applications. Available options include single, twin, triplex, and quad systems, steel resin tanks, progressive service, brine reclamation, and Accu-Pipe skid systems.

“HF” Series Sizing (1) (2):

Model	Exchange Capacity* (Grains) Salt Setting			Valve Size	Cv1	Flow Rate (gpm)			Pipe Size (inches)		Back Wash (gpm)	Resin (Cubic Ft)	Brine Tank Capacity (lbs)	Regen. Time (min)	Tank Size (inches)		Approx Ship Weight (lbs)
	MIN (3)	MID (4)	MAX (5)			7psid	Cont: 15psid	Peak(6) 25psid	Service	Drain					Resin	Salt	
HF-300	210000	300000	320000	3"	36	96.0	128	182	3	1	15	10	760	68	24 X 72	30 X 48	1200
HF-450	315000	450000	480000	3"	42.4	112.2	158	212	3	2	25	15	760	72	30 X 72	30 X 48	1325
HF-480	336000	480000	512000	3"	40.0	105.8	150	200	3	2	25	16	730	76	30 X 72	30 X 48	1375
HF-600	420000	600000	640000	3"	47.0	125.0	178	238	3	2	25	20	1375	74	36 X 72	39 X 48	1850
HF-800	567000	810000	864000	3"	55.0	145.5	205	275	3	2	50	27	1375	68	42 X 72	39 X 48	2300
HF-900	630000	900000	960000	3"	53.6	141.8	200	268	3	2	50	30	1275	74	42 X 72	39 X 48	2500
HF-1200	840000	1200000	1280000	3"	56.0	148.2	213	280	3	2	70	40	3200	86	48 X 72	50 X 60	3450

(1) For twin tank, triplex and quad systems, Cv rates, flow rates, and resin quantities should be doubled, tripled, or quadrupled respectively.

(2) Larger systems are available. Contact Water Control Corp for details.

(3) Based on 6 lbs salt per cubic foot.

(4) Based on 10 lbs salt per cubic foot.

(5) Based on 15 lbs salt per cubic foot.

(6) Operation at peak flow is not recommended for extended periods.

• All “HF” Series softeners utilize series 3900 controllers, pre-wired with 3-prong connectors, 120 VAC, 60 Hz, 5 Amps or less. (One G.F.I. wall outlet is required for each resin tank in system).

* 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 35 years of experience in the water conditioning and plumbing industries, Water Control can design and manufacture equipment for virtually any application. We offer complete service including hardness testing, sizing, CAD™ or Revit™ drawings, delivery, setup, startup, and refurbishment. 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 "HF" Series Softeners:

Order Code: **HF -** - - -- (Other Options Listed Below)

Model (From other side)

System Size

Single tank	(blank)
Two tank	Twin
Three tank	Triplex
Four tank	Quad

Regeneration Control

Mechanical meter	MR
Time clock	TC

Additional Options:

- Progressive Service: Adds and removes tanks from service based on flow demand.
- Brine Reclamation: Re-uses brine solution for significant salt savings.
- Steel Tank(s) (Optional ASME Rating).
- Accu-Pipe Skid-Mounted Sytem (pre-plumbed, pre-wired system mounted on heavy-duty skid).
- Specialty Filters: Call for details.

Sample Specification*:

Water softener shall be model _____, as manufactured by Water Control Corporation. Each softener tank shall contain _____ cu. ft. of cation resin and have a capacity of _____ grains of hardness when regenerated with _____ lbs. of salt. The control valve shall be of brass construction, top mounted, and have a five cycle regeneration sequence of:

- 1) Backwash
- 2) Brine and slow rinse
- 3) Rapid rinse
- 4) Brine tank refill
- 5) Service

Softener tank shall be constructed of non-corrosive fiberglass and be rated for an operation pressure of 150 psi.

Unit shall have a one (1) year warranty on softener tank(s), brine tank(s), and controls. All epoxy-lined steel tanks shall have a two (2) year limited warranty. See complete warranty for details.

*For a more detailed, model-specific specification, please contact Water Control Corporation.

Detailed drawings also available upon request (CAD™ or Revit™).