

HF SERIES

WATER SOFTENERS

WCC's "HF" Series softeners feature 3" service connections, large heavy duty electronic control valves, high-strength fiberglass-reinforced mineral tanks, and long-lasting synthetic cation resin. This series is perfectly designed for apartments, hotels, commercial laundry, schools, hospitals, restaurants, industrial facilities, cooling towers, and other high flow/high capacity applications. Available options include single, twin, triplex, and quad systems, as well as 5-8 tank "XL" configurations. Steel resin tanks, progressive service, brine reclamation, and Accu-Pipe skid systems are also available.



SPECIFICATIONS

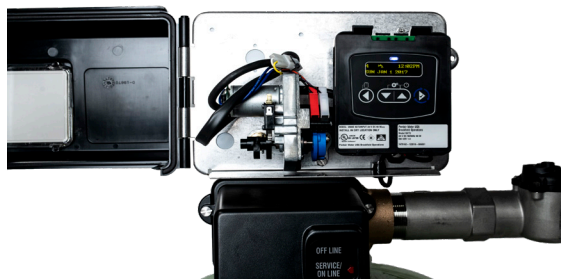
Model Series Number	Exchange Capacity* (grains)			Valve Size (in)	Cv	Flow Rate (GPM)			Pipe Size (in)		Back Wash (GPM)	Resin (cu.ft.)	Brine Tank Capacity (lbs)	Regen. Time (min)	Tank Size (in)		Approx. Ship Weight (lbs)
	Min ¹	Mid ²	Max ³			7 psid	Cont. 15 psid	Peak 25 psid	Service	Drain					Resin	Salt	
HF-300	230000	270000	300000	3	36	96	128	182	3	1	12	10	500	68	24 X 72	24 X 50	975
HF-450	345000	405000	450000	3	42.4	112	158	212	3	2	20	15	725	72	30 X 72	30 X 50	1450
HF-480	368000	432000	480000	3	40	106	150	200	3	2	20	16	700	76	30 X 72	30 X 50	1500
HF-600	460000	540000	600000	3	47	125	178	238	3	2	30	20	1350	74	36 X 72	39 X 48	1975
HF-810	621000	729000	810000	3	55	146	205	275	3	2	35	27	1175	68	42 X 72	39 X 48	2550
HF-900	690000	810000	900000	3	53.6	142	200	268	3	2	30	30	2950	74	42 X 72	50 X 60	2775
HF-990	759000	891000	990000	3	57	153	215	281	3	2	35	33	2875	76	48 X 72	50 X 60	3125
HF-1200	920000	1080000	1200000	3	56	148	213	280	3	2	40	40	2700	86	48 X 72	50 X 60	3525
HF-1800	1380000	1620000	1800000	3	58.4	155	226	292	3	2	85	60	2200	98	63 X 86	50 X 60	5125

- FOR TWIN TANK, TRIPLEX AND QUAD SYSTEMS, CV RATNGS, EXCHANGE CAPACITIES, FLOW RATES AND RESIN QUANTITIES SHOULD BE DOUBLED, TRIPLED, OR QUADRUPLED RESPECTIVELY.
 - LARGER SYSTEMS ARE AVAILABLE (5-8 TANKS). CONTACT WATER CONTROL CORP FOR DETAILS.
 - INDIVIDUAL TANKS WITH CAPACITY OF 810,000 GRAINS OR HIGHER (MAX SALT SETTING) REQUIRE ON-SITE PLUMBING OF BRINE LINE BY LICENSED CONTRACTOR.

¹ Based on 7 lbs salt per cubic foot.
² Based on 10 lbs salt per cubic foot.
³ Based on 13 lbs salt per cubic foot.

All "HF" Series softeners utilize series 3900 NXT2 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.



ADVANCED CONTROLLER

- Real-time diagnostics
Flow rates, totalizer, capacity, avg. usage, alarm history, and more
- Remote input for forced regeneration and regeneration lockout
- 2 programmable relays for auxiliary equipment, BAS indication, remote alarms, etc.

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 “HF” SERIES SOFTENERS:

ORDER CODE:



MODEL (from other side)

SYSTEM SIZE

- Single Tank: **SIMPLEX (MR)**
- Two Tank: **TWIN**
- Two Tank (Alternating): **TWIN - ALT**
- Three Tank: **TRIPLEX**
- Four Tank: **QUAD**

NOTE: 5-8 Tank “XL” systems available.
Contact WCC for details.

Additional Options: (check options below)

- Progressive Service: Adds and removes tanks from service, based on flow demand
- 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/
representative-locator/](http://www.watercontrolinc.com/representative-locator/).



VISIT US ONLINE

Go to 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.

We look forward to working with you!

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Where NATURE & SCIENCE meet™