

# HF SERIES

## WATER SOFTENERS

Water Control "HF" Series softeners feature 3" service connections, large heavy duty electronic control valves, non-corrosive high-strength fiberglass 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)			Cv	Flow Rate (gpm)			Pipe Size (inches)		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	
HF-300	210000	300000	320000	36	96	128	182	3	1	15	10	760	68	24 X 72	30 X 50	1200
HF-450	315000	450000	480000	42.4	112	158	212	3	2	25	15	760	72	30 X 72	30 X 50	1325
HF-480	336000	480000	512000	40	106	150	200	3	2	25	16	730	76	30 X 72	30 X 50	1375
HF-600	420000	600000	640000	47	125	178	238	3	2	25	20	1375	74	36 X 72	39 X 48	1850
HF-800	567000	810000	864000	55	146	205	275	3	2	50	27	1375	68	42 X 72	39 X 48	2300
HF-900	630000	900000	960000	53.6	142	200	268	3	2	50	30	1275	74	42 X 72	39 X 48	2500
HF-1200	840000	1200000	1280000	56	148	213	280	3	2	70	40	3200	86	48 X 72	50 X 60	3450

- FOR TWIN TANK, TRIPLEX AND QUAD SYSTEMS, CV RATINGS, 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.

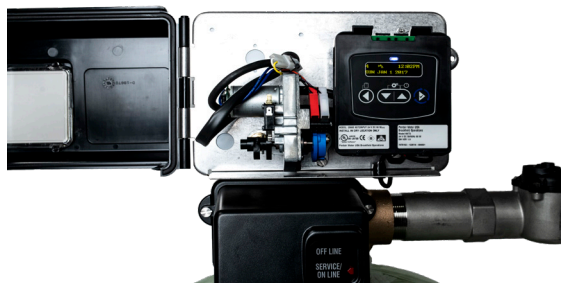
<sup>1</sup> Based on 6 lbs salt per cubic foot.

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

<sup>3</sup> Based on 15 lbs salt per cubic foot.

All "HF" Series softeners utilize series 3900 NXT2 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 CaCo<sub>3</sub> 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 45 YEARS OF EXPERIENCE IN THE WATER CONDITIONING AND PLUMBING INDUSTRIES,** WATER CONTROL 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 Water Control 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.

### Specialty Filter Options: (check options below)

- Carbon
- Tannin
- Acid Neutralizer (Calcite)
- Dealkalizer
- Additional media options available, call for details

\*For a detailed, model-specific specification, please contact 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 GFCI wall outlet.

We have team members throughout the US and Canada who are ready to serve you.

To get started, please talk with your local sales representative, or contact our Technical Support Department: 1-866-405-1268 or techsupport@watercontrolinc.com

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WATER CONTROL