

## Series CS HF Commercial Water Softeners

RainSoft Series CS HF automatic water softeners are designed for Commercial and Industrial applications. These rugged systems can provide unlimited soft water at flow rates up to 250 gallons per minute on a single system and hardness removal capacities from 450,000 single system to 3,600,000 grains on a quad system. Soft water saves your establishment money everyday. It helps decrease energy costs and gives longer life and efficiency to water using equipment while saving on detergents and chemicals used in your business.

RainSoft softeners are designed to be flexible to many applications. Single, Duplex, Triplex, quad plex or Twin Alternating softeners are available with standard features from time-clock operation to metered regeneration on demand or delayed or pressure differential. High capacity resin improves efficiencies in salt usage that saves regenerate cost and is suitable for water with high chlorine content.



### Various Softener Applications

- Apartment Buildings
- Beauty Salons
- Cooling Towers
- Country Clubs
- Laboratories
- Nursing Homes
- Manufacturing
- Office Buildings
- Vehicle Wash
- Clinics
- Hotels
- Boilers
- Motels
- Schools
- Hospitals
- Bakeries
- Restaurants
- Laundries

CS HF Valve Features

- 3” top mount control valve suited for commercial and industrial applications
- Lead free brass valve body
- Economical stainless steel optional meter assembly
- Service flow rate up to 250 gpm (946 lpm), Backwash flow rate up to 220 gpm (833 lpm)
- Solid state microprocessor with easy access front removable POD
- Front panel display for Time of Day, Current Flow Rate, Totalizer and Volume/Days until Regeneration
- Four methods to initiate the down flow regeneration; meter delayed, meter immediate, time clock delayed, or pressure differential
- Fully programmable regeneration cycle sequences (maximum 9)
- Treated water regenerant refill
- Days override feature; 1-28 days available
- Capacitor back-up with up to 24 hour power carry over

Pressure Vessel

- Non-corrosive reinforced fiberglass.
- Improved flow distribution through hub and lateral designed internals.
- Durable, high efficiency softening resin with no color throw and excellent physical stability for long dependable life.
- System Operating Limits
- Inlet Pressure: 20-100 PSI (207-390 Kpa)
- Temperature: 35-100°F (1-36°C)
- Electrical Requirements:120v/60 Hz 230v/50 Hz
- Operating Power: 24v AC
- Output current: 750 mA

Optional Features

- ASME Code Pressure Vessels
- High Performance chlorine resistant resin
- Motorized valves for no hard water bypass or progressive flow operation
- Custom systems sizes available up to 63 inches

RainSoft Commercial Water Softeners are Backed by the Best Warranty in the Industry

- 10 Year Limited Warranty on Brine Tank and Pressure Vessel.
- 5 Year Limited Warranty on Control Valve.
- 3 Year Limited Warranty on Electronic Control
- 1 Year Limited Warranty on all Components.
- 10 Year Limited Warranty on High Capacity Resin.



Our electronic control is designed for single and multiple tank applications. Coupled to an in-line turbine meter, it displays flow rate and gallon usage with memory retention of average daily water consumption, total water consumption. This makes it easy to set with customized programming

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Model number	Tank Size	Resin volume	Brine Tank	Avg grain Capacity	Max grain capacity	LBS salt AVG	LBS salt Max	Service flow @ 15 PSI drop	Service flow @ 25 PSI drop	Backwash Rate GPM
CS HF 15	30x72	15	39x48	330K	480K	110	225	150	200	25
CS HF 20	36x72	20	39x48	440K	640K	130	300	185	220	35
CS HF 25	42x72	25	50x60	550K	800K	220	450	200	230	50



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