

Water Filters



Automatic backwashing and upflow water filters are the answer for solving common water quality problems. Only the highest quality, proven media and controls are used in a WaterSoft Automatic Water Filter; for removal of taste, odor, color, sediment, low pH and iron. Our motor-driven piston control valve is the most reliable under even severe water conditions and resists common adversaries such as dirt, iron and turbidity. Meanwhile, our Vortech™ or hub and lateral style distribution system within the corrosion-resistant tanks maximize flow while reducing pressure loss through the units. Designed for use in commercial, industrial or domestic water applications.

As we remain **Committed to Innovation**, **WaterSoft** provides the design and engineering support to ensure the most effective treatment solution for each installation. For a stand-alone installation or a new construction project, replace or integrate new equipment into an existing process, we have the proper system options available to meet your needs.

Standard Features

- High Flow Control Valves thru 3" – 140 gpm/tank
- Up to 24 cu.ft. Media per Tank
- Maximum Operating Pressure – 125 psi/110° F
- Clack™ Control Valves
- Raw Water Backwashing – Raw Water Bypass
- Premium Grade and NSF Approved Media
- Upflow Filters Available for pH Adjustment - No Backwashing
- Electronic Control Valves

Options

- Clean Water Backwash
- No Raw Water Bypass
- 2750, 2850, or 3150 Top-mount Control Valves
- Steel and ASME rated Pressure Vessels
- Flow Management with Motorized Ball Valves or Staged Diaphragm Valves
- Water Quality Monitor and Pressure Loss Initiated Backwashing
- Special Media for Custom Applications
- Side-mount Control Valves

Typical Use:

- Pretreatment for Other Processes
- Hospitals
- Food/Beverage Mfg.
- Hotels/Motels
- Apartments/Condos
- Nursing Home/ Assisted Living
- Laundry Facilities
- Food Service
- Truck/Car Washes



WaterSoft Inc.

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Product Specifications

BIRM Auto			GPM			Carbon Auto			GPM			Filter-AG Auto			GPM			Filter-AG Plus Auto			GPM		
- For up to 5 ppm iron. - pH must be 6.8 to 9.0. - Must be 0 sulfur & chlorine - See Note at bottom			Backwash	Serv. - Cont.	Serv. - Peak	- For Chlorine, VOC, Taste, Odor, Color. - For Turbidity, dirt, sediment, etc.			Backwash	VOC Treat.	De-Chlorin.	- For Turbidity, dirt, sediment, etc. - Filters solids down to 20-40 micron.			Backwash	Serv. - Cont.	Serv. - Peak	- For Turbidity, dirt, sediment, etc. - Filters solids down to 5 micron or less.			Backwash	Serv. - Cont.	Serv. - Peak
CWF30B-10WS	10	5.5	7.5	CWF30C-10WS	10	5.5	11	CWF30F-10WS	10	5.5	9	CWF30FP-10WS	17	11	16								
CWF30B-12WS	10	5.5	7.5	CWF30C-12WS	10	5.5	11	CWF30F-12WS	10	5.5	9	CWF30FP-12WS	17	11	16								
CWF40B-10WS	15	7	14	CWF40C-10WS	11	7	14	CWF40F-10WS	11	7	11	CWF40FP-10WS	20	14	17								
CWF40B-12WS	15	7	14	CWF40C-12WS	11	7	14	CWF40F-12WS	11	7	11	CWF40FP-12WS	20	14	21								
CWF40B-15WS	15	7	14	CWF40C-15WS	11	7	14	CWF40F-15WS	11	7	11	CWF40FP-15WS	20	14	21								
CWF50B-10WS	20	9	18	CWF50C-10WS	15	9	18	CWF50F-10WS	15	9	15	CWF50FP-10WS	25	18	18								
CWF50B-12WS	20	9	18	CWF50C-12WS	15	9	18	CWF50F-12WS	15	9	15	CWF50FP-12WS	25	18	23								
CWF50B-15WS	20	9	18	CWF50C-15WS	15	9	18	CWF50F-15WS	15	9	15	CWF50FP-15WS	25	18	27								
CWF70B-10WS	25	12	18	CWF70C-10WS	20	12	18	CWF70F-10WS	20	12	18	CWF70FP-15WS	35	24	36								
CWF70B-12WS	25	12	23	CWF70C-12WS	20	12	23	CWF70F-12WS	20	12	20	CWF70FP-20WS	35	24	36								
CWF70B-15WS	25	12	24	CWF70C-15WS	20	12	24	CWF70F-15WS	20	12	20	CWF100FP-15WS	45	31	43								
CWF100B-12WS	30	16	24	CWF100C-12WS	25	16	24	CWF100F-12WS	25	16	24	CWF100FP-20WS	45	31	47								
CWF100B-15WS	30	16	31	CWF100C-15WS	25	16	31	CWF100F-15WS	25	16	25	CWF140FP-20WS	70	49	69								
CWF100B-20WS	30	16	31	CWF100C-20WS	25	16	31	CWF100F-20WS	25	16	25	CWF180FP-20WSH	105	71	80								
CWF140B-15WS	50	25	47	CWF140C-15WS	40	25	38	CWF140F-15WS	40	25	39	CWF180FP-30WS	105	71	106								
CWF140B-20WS	50	25	50	CWF140C-20WS	40	25	50	CWF140F-20WS	40	25	39	CWF240FP-30WS	140	96	144								
CWF180B-20WS	70	35	70	CWF180C-20WS	60	35	70	CWF180F-20WS	60	35	56												
CWF240B-20WSH	100	48	87	CWF240C-20WSH	80	48	87	CWF240F-20WSH	80	48	77												
CWF240B-30WS	100	48	96	CWF240C-30WS	80	48	96																

Neutralizer Auto			GPM			NEU-COR Auto			GPM		
- For Acid water (down to 5.8 pH*). - For Turbidity, dirt, sediment, etc.			Backwash	Serv. - Cont.	Serv. - Peak	- For Acid water (down to 5.0 pH*). - For Turbidity, dirt, sediment, etc.			Backwash	Serv. - Cont.	Serv. - Peak
CWF30N-10WS	10	5.5	9	CWF30NC-10WS	10	5.5	9				
CWF30N-12WS	10	5.5	9	CWF30NC-12WS	10	5.5	9				
CWF40N-10WS	15	7	11	CWF40NC-10WS	15	7	11				
CWF40N-12WS	15	7	11	CWF40NC-12WS	15	7	11				
CWF40N-15WS	15	7	11	CWF40NC-15WS	15	7	11				
CWF50N-10WS	20	9	15	CWF50NC-10WS	20	9	15				
CWF50N-12WS	20	9	15	CWF50NC-12WS	20	9	15				
CWF50N-15WS	20	9	15	CWF50NC-15WS	20	9	15				
CWF70N-10WS	25	12	18	CWF70NC-10WS	25	12	18				
CWF70N-12WS	25	12	20	CWF70NC-12WS	25	12	20				
CWF70N-15WS	25	12	20	CWF70NC-15WS	25	12	20				
CWF100N-12WS	30	16	24	CWF100NC-12WS	30	16	24				
CWF100N-15WS	30	16	25	CWF100NC-15WS	30	16	25				
CWF100N-20WS	30	16	25	CWF100NC-20WS	30	16	25				
CWF140N-15WS	50	25	39	CWF140NC-15WS	50	25	39				
CWF140N-20WS	50	25	39	CWF140NC-20WS	50	25	39				
CWF180N-20WS	70	35	56	CWF180NC-20WS	70	35	56				
CWF240N-20WSH	100	48	77	CWF240NC-20WSH	100	48	77				

Carbon UPFLOW*		Neutralizer UPFLOW		NEU-COR UPFLOW	
- Chlorine, Taste, Odor.	Cont. GPM	- Acid water (to 5.8 pH*).	Cont. GPM	- Acid water (to 5.0 pH*).	Cont. GPM
CU40C-10	11	CU40N-10	11	CU40NC-10	11
CU50C-10	15	CU50N-10	15	CU50NC-10	15
CU70C-10	16	CU70N-10	16	CU70NC-10	16
CU70C-20	20	CU70N-20	20	CU70NC-20	20
CU100C-10	16	CU100N-10	16	CU100NC-10	16
CU100C-20	25	CU100N-20	25	CU100NC-20	25
CU140C-20	40	CU140N-20	39	CU140NC-20	39
CU180C-20	60	CU180N-20	56	CU180NC-20	56

*Not for RO pre-treatment.

Service Pipe Sizes, Tank Sizes, Cu.ft., O/A Ht.				
Series	Service Size	Tank dia x nom. Ht.	Cu.ft.	O/A Ht.
CWF30_-10WS	1" NPT	14" X 65"	3	73"
CWF30_-12WS	1.25" NPT			73"
CWF40_-10WS	1" NPT	16" x 65"	4	73"
CWF40_-12WS	1.25" NPT			73"
CWF40_-15WS	1.5" NPT			73"
CU40-10, CU40N-10	1" NPT			68"
CWF50_-10WS	1" NPT	18" x 65"	5	76"
CWF50_-12WS	1.25" NPT			76"
CWF50_-15WS	1.5" NPT			75"
CU50-10, CU50N-10	1" NPT			72"
CWF70_-10WS	1" NPT	21" X 62"	7	75"
CWF70_-12WS	1.25" NPT			75"
CWF70_-15WS	1.5" NPT			75"
CWF70_-20WS	2" NPT			76"
CU70-10, CU70N-10	1" NPT			68"
CU70-20, CU70N-20	2" Socket			73"
CWF100_-12WS	1.25" NPT	24" X 72"	10	83"
CWF100_-15WS	1.5" NPT			82"
CWF100_-20WS	2" NPT			83"
CU100-10, CU100N-10	1" NPT			
CU100-20, CU100N-20	2" Socket			89"
CWF140_-15WS	1.5" NPT	30" X 72"	14	85"
CWF140_-20WS	2" NPT			86"
CU140-20, CU140N-20	2" Socket			91"
CWF180_-20WS	2" NPT	36" X 72"	18	98"
CWF180_-20WSH	2" NPT			100"
CU180-20, CU180N-20	2" Socket			92"
CWF240_-20WSH	2" NPT	42" X 72"	24	101"
CWF240_-30WS	3" NPT			102"

Operating Information & Notes

Always consider BACKWASH req'd; multiple units may be needed.
 For use on potable water only.
 Do not use on microbiologically unsafe or unknown water quality.
 Installation must comply with state & local codes.
 Warranty void if system subjected to vacuum.
 Water Temperature range: 35° - 110°F
 Ambient Air Temperature range: 35° - 120°F
 Operating Pressure Range: 20 - 125 psi
 Electric Requirements (for CWF series): 115v/60Hz
 BIRM requires dissolved oxygen at least 15% of iron.
 * If more than 7 gpg hard, then Neutralizer okay for down to 5.8pH.
 If less than 7 gpg hard, then Neutralizer okay for down to 6.5pH.

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