

Water Filters



With "WS" Series Control Valves



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 Chandler Systems 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**, **CSI** 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 on Most Units
- 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

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



CSI WATER TREATMENT SYSTEMS – Commercial Division
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Product Specifications

BIRM Auto	GPM			Carbon Auto	GPM			Filter-AG Auto	GPM			Filter-AG Plus Auto	GPM		
	Backwash	Serv - Cont.	Serv - Peak		Backwash	VOC Treat.	De-Chlorin.		Backwash	Serv - Cont.	Serv - Peak		Backwash	Serv - Cont.	Serv - Peak
- For up to 5 ppm iron. - pH must be 6.8 to 9.0. - Must be 0 sulfur & chlorine. - See Note at bottom.				- For Chlorine, VOC, Taste, Odor, Color. - For Turbidity, dirt, sediment, etc.				- For Turbidity, dirt, sediment, etc. - Filters solids down to 20-40 micron.				- For Turbidity, dirt, sediment, etc. - Filters solids down to 5 micron or less.			
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	17	CWF70C-10WS	20	12	17	CWF70F-10WS	20	12	17	CWF70FP-15WS	35	24	35
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	37
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
CWF140B-15WS	50	25	38	CWF140C-15WS	40	25	38	CWF140F-15WS	40	25	38	CWF180FP-20WSH	105	71	80
CWF140B-20WS	50	25	50	CWF140C-20WS	40	25	50	CWF140F-20WS	40	25	39	CWF180FP-30WS	105	71	106
CWF180B-20WS	70	35	70	CWF180C-20WS	60	35	70	CWF180F-20WS	60	35	56	CWF240FP-30WS	140	96	144
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		
	Backwash	Serv - Cont.	Serv - Peak		Backwash	Serv - Cont.	Serv - Peak
- For Acid water (down to 5.8 pH). - For Turbidity, dirt, sediment, etc.				- For Acid water (down to 5.0 pH). - For Turbidity, dirt, sediment, etc.			
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	17	CWF70NC-10WS	25	12	17
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
CWF140N-15WS	50	25	38	CWF140NC-15WS	50	25	38
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

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			77"
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"

Neutralizer UPFLOW		Operating Information & Notes	
- Acid water (to 5.8 pH).	Cont. GPM	Always consider BACKWASH req'd; mult units may be needed.	
CU40N-10	11	For use on potable water only.	
CU50N-10	15	Do not use on microbiologically unsafe or unknown water quality.	
CU70N-10	16	Installation must comply with state & local codes.	
CU70N-20	19	Warranty void if system subjected to vacuum.	
CU100N-10	17	Water Temperature range:	35° - 110°F
CU100N-20	25	Ambient Air Temperature range:	35° - 120°F
CU140N-20	39	Operating Pressure Range:	20 - 125 psi
CU180N-20	56	Electric Requirements (for CWF series):	115v/60Hz
		BIRM requires dissolved oxygen at least 15% of iron.	

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