

Automatic Water Filters



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
- Fleck™ Top-Mount Control Valves on Most Units
- Raw Water Backwashing – Raw Water Bypass
- Premium Grade and NSF Approved Media
- All Wetted Components are NSF Approved
- Upflow Filters Available for pH Adjustment or Organic Removal/Dechlorination - No Backwashing

Options

- Clean Water Backwash
- No Raw Water Bypass
- Clack™ 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
- Electronic 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

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 CSI Automatic Water Filters; 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.



Product Specifications

Commercial Automatic Filters

MODEL NUMBER	BACKWASH			Service GPM						Pipe Size NPT		Filter Tank	Media
	GPM A	GPM B	GPM C	Cont. A	Cont. B	Cont. C	Peak A	Peak B	Peak C	Service Conn Size	Drain Line	Size Dia. X Ht.	C.F. / Tank
CWF40_-10	12	15	20	7	7	14	11	14	21	1"	3/4"	16" x 65"	4
CWF40_-15										1 1/2"	1"		
CWF50_-10	15	20	25	9	9	18	15	18	27	1"	3/4"	18" x 65"	5
CWF50_-15										1 1/2"	1"		
CWF70_-10	20	25	35	12	12	N/A	20	20	N/A	1"	3/4"	21" x 62"	7
CWF70_-15					12	24		24	36	1 1/2"	1"		
CWF100_-15	25	30	45	16	16	31	25	31	47	1 1/2"	1"	24" x 72"	10
CWF140_-15	40	50	N/A	25	25	N/A	39	50	N/A	1 1/2"	1 1/4"	30" x 72"	14
CWF140_-20	40	50	70	25	25	39	39	50	59	2"	2"		
CWF180_-20	60	70	N/A	35	35	N/A	56	70	N/A	2"	2"	36" x 72"	18
CWF180_-20WSH	60	70	105	35	35	71	56	70	106	2"	2"		
CWF240_-20	80	100	N/A	48	48	N/A	77	84	N/A	2"	2"	42" x 72"	24
CWF240_-30WS	80	100	140	48	48	96	77	84	144	3"	3"		

▲ Letter(s) at this location indicates MEDIA; Refer to "Media Options" below. Example "CWF40F-10" is Filter-AG unit.

Commercial Upflow Filters (Neutralizer Only)

MODEL NUMBER	Service GPM	Pipe Size	Tank Size	Media CF/Tank
CU40N-10	11	1"	16" x 65"	4
CU50N-10	15	1"	18" x 65"	5
CU70N-10	16	1"	21" x 62"	7
CU70N-20	19	2"		
CU100N-10	17	1"	24" x 72"	10
CU100N-20	25	2"		
CU140N-20	39	2"	30" x 72"	14
CU180N-20	56	2"	36" x 72"	18

NOTICE - Always consider BACKWASH flow rate required; multiple tanks may be required.

Media Options

Media	Application	BW Column	Cont. Flow	Peak Flow
F = Filter-AG	Turbidity, Sediment, etc.	A	A	A
N = Neutralizer	Acidic Water (from 5.8 pH)	B	A	A
C = Carbon	Chlorine, VOC, Taste, Odor, Color	A	B	B
B = Birm	Iron (up to 5 ppm)	B	B	B
FP = Filter-AG Plus	Turbidity, Sediment, etc.	C	C	C

Equipment Sizing and Selection

1. Select type of Media appropriate on the installation
2. Use appropriate Flow Rate Column listed in the media section below
3. Match pump flow rate (or city supply) with the BACKWASH column specified

Operating Information

For use on Potable Water Only
Do not use on microbiologically unsafe or unknown quality water
Installation must comply with state and local plumbing/electrical codes
Tank warranty void if subject to vacuum

Water Temperature Range 35° – 110°F
Ambient Air Temperature Range 35° – 120°F
Operating Pressure Range 20 – 125 psi
Electronic Requirements (for CWF Series) 110v/60Hz

Committed to Innovation

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