

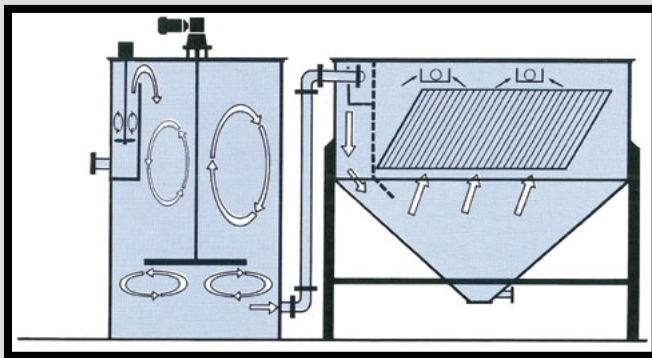


# Packaged Surface Water Treatment Plants

Design flexibility to fit your criteria

Filtronics treatment systems offer you a flexible, economical design alternative to traditional clarification systems through modular construction and a custom approach to each application. These effective systems are utilized in conjunction with chemical feed, sludge treatment, and filtration of clarified elements, and as important elements for removal of turbidity, color, solids, and colloids from water and wastewater streams.

FILTRONICS Packaged Surface Water Treatment Systems provide field-proven effectiveness in water treatment, industrial waste pretreatment, and other conditions requiring the separation of solids from liquids.



## Applications

- **Municipal** - Potable Water, Water Pretreatment, Waste Streams
- **Processed Water Treatment** - Boiler Feed, Mill Water, Cooling Water
- **Industrial Wastewater Treatment** - Electronics, Chemical and Petro-chemical, Brine Water, Iron and Steel, Mining, Textiles, Closed-loop Cooling Systems, Run-off Water, Heavy Metal Wastewater

## Flash Mixer

Filtronics flash mixer provides optimum flash mix performance for virtually all combinations of water and chemical additives.

- **High Energy Input** for complete and reliable mixing
- **Counter Current Mixing** maintains consistent mixing quality throughout the flash mixing process
- **15-20 Second Retention Time** assures thorough dispersion of chemicals

## Flocculator

Our unique, efficient design induces the best possible flocculating action with a slow random pattern and a top-to-bottom vessel flow through.

- **Low Energy Input and Low Tip Speed Velocity** assures gentle stirring of fluid to promote proper flocculation
- **15-20 Minute Retention Time** encourages formation of a large durable floc.
- **Baffled Interior** facilitates the gentle random motion of the vessel.

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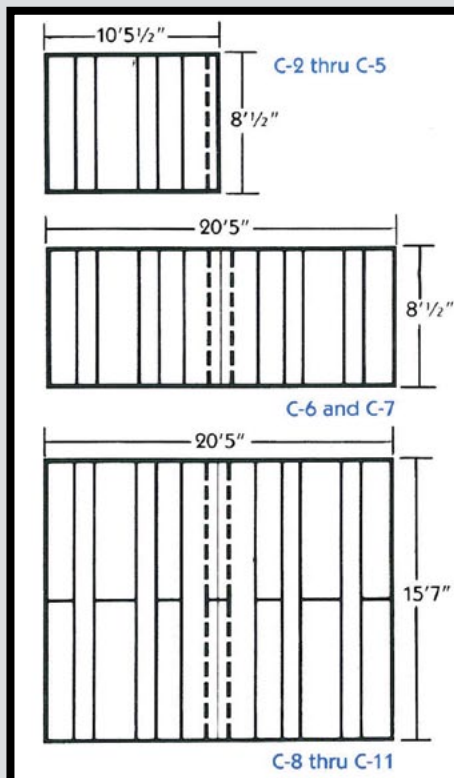
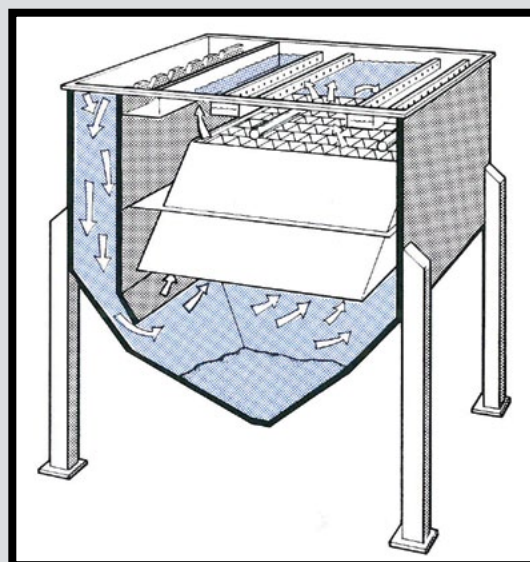
## Complete Capability

Whether you use the entire Filtronic Water Treatment System or one or more of the system's three components, you are assured of high quality and dependability in each and every piece of equipment. Filtronic offers a variety of advanced water treatment solutions to meet your specific requirements every time. For any municipal or industrial application, Filtronic offers complete systems that are custom designed, efficient and reliable.

## Clarifier

Filtronic clarifier provides a combination of design features and performance benefits no other clarifier can offer.

- **Super Slant™ Design** provides more actual contact area for better storage and removal
- **Solids Contact Clarification** draws untreated water up through the sludge compartment for vastly improved clarification
- **Convenient Solids Withdrawal** allows for easy removal of sludge without stopping the system or wasting water.



FRAME SIZE	EFFECTIVE SURFACE AREA (FT <sup>2</sup> )	HOPPERS REQUIRED	CLARIFIER DIMENSIONS			DESIGN CAPACITY (GPM)			
			L	W	H	OVERFLOW RATE (GPD/FT <sup>2</sup> )			
						400	500	600	700
C-2	105	1	10'-5 1/2"	4'-3 1/4"	9'-3"	25	35	40	50
C-3	210	1	10'-5 1/2"	4'-3 1/4"	9'-3"	55	70	80	100
C-4	315	1	10'-5 1/2"	8'-0 1/2"	9'-3"	80	100	130	150
C-5	420	1	10'-5 1/2"	8'-0 1/2"	9'-3"	115	140	175	200
C-6	630	2	20'-5"	8'-0 1/2"	9'-3"	175	220	260	300
C-7	840	2	20'-5"	8'-0 1/2"	9'-3"	230	290	350	400
C-8	1050	4	20'-5"	15'-7"	9'-3"	290	360	430	500
C-9	1260	4	20'-5"	15'-7"	9'-3"	350	440	525	600
C-10	1470	4	20'-5"	15'-7"	9'-3"	400	500	610	700
C-11	1680	4	20'-5"	15'-7"	9'-3"	460	580	700	800

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