



Simplex Dechlorinator

Flow Range from 3 to 31GPM

Description

Carbon filters are used to reduce chlorine and some organic compounds in the water, as well as removing any taste or odors. This type of filtration is necessary in a reverse osmosis system since membranes are not tolerant to chlorine commonly present in potable water networks.

The reinforced composite reservoir is filled from the top with carbon charcoal media in the form of granules. Water is circulated through the media by an automatic programmable head that takes care of filtering and backwash regeneration.

The best-in class control head can be programmed with several modes for the regeneration schedule and be equipped with a flow meter to monitor water consumption.

The head is plugged on a 120VAC typical circuit and features a backup coin cell for up to 8h of operation.



Model Specifications

Part Number	Nominal Size [cu.ft]	Media Volume [cu.ft]	Dimensions Dia. x H [in]	Flow Rate* [GPM]
WS SD01	1	1	10 x 44	3
WS SD02	2	2	12 x 52	6.5
WS SD03	3	3	14 x 65	7.5
WS SD04	4	4	16 x 65	11.5
WS SD05	5	5	18 x 65	15.5
WS SD07	7	7	21 x 62	23
WS SD10	10	10	24 x 72	31

Flow rates are based on a concentration of 1.5ppm of chlorine. Higher concentration or chloramine presence requires more contact time with the active carbon, increasing the size. Consult sales team.

General Technical Specifications

Description	
Material	Tank: Reinforced composite Media: Coconut Charcoal Media
Operating pressure (Min/Max)	25psi – 125psi
Operating temperature (Min/Max)	40°F (5°C) – 100°F (38°C)
Voltage and Power	120VAC/60Hz – 10W



Dimensions

Part Number	Nom. Size [cu.ft]	DIA. [in]	H [in]	Hh [in]	Dry Weight [lb]	Port Size	
WS SD01	1	10	44	7.5	52	1"NPT	
WS SD02	2	12	52	7.5	110	1"NPT	
WS SD03	3	14	65	7.5	200	1"NPT	
WS SD04	4	16	65	7.5	248	1"NPT	
WS SD05	5	18	65	7.5	312	1"NPT	
WS SD07	7	21	62	10.75	418	1.5"NPT	
WS SD10	10	24	72	10.75	648	1.5"NPT	

Accessories

Part Number	Description
WS ACM-1	Replacement media Activated Carbon Replacement Media, 1 bag of 1cuft
WS GBM-05	Replacement gravel for initial bedding at the base of cylinder, 1 bag of 1/2cuft



Carbon Filter Cartridge Dechlorinator

Flow Range up to 3GPM

Description

Carbon filters are used to reduce chlorine and some organic compounds in the water. This type of filtration is necessary in a reverse osmosis system since membranes are not tolerant to chlorine commonly present in potable water networks.

Smaller RO system can be equipped with a cartridge-based filtration in standard Big Blue housing, with no control or maintenance required during the life span of the filter. Filters are replaced based on water volume treated.

This offers a more compact water pre-treatment setup than a simplex tank, with quicker and easier maintenance of the filters.



Model Specifications

Part Number	Nom. Diameter	Nom. Length	Max Flow Rate [GPM]	Life Span [Gal]	Ports Size	Replacement Cartridge
WF DCF25-20	2.5in	20in	2.5	9,000	3/4FNPT	WP CCR25-20
WF DCF45-10	4.5in	10in	4	12,000	1FNPT	WP CCR45-10
WF DCF45-20		20in	6	26,000		WP CCR45-20

General Technical Specifications

Description	Water Filter Housing
Material	Polypropylene
Maximum pressure	125 PSI [862 kPa]
Maximum temperature	125°F [52°C]

Description	Carbon Filter Cartridge
Filter media material	Coconut Shell Carbon
Filtration pore size	10 µm
Maximum pressure	125 PSI [862 kPa]
Maximum temperature	100°F [37°C]
Pressure Drop	~ 5psi