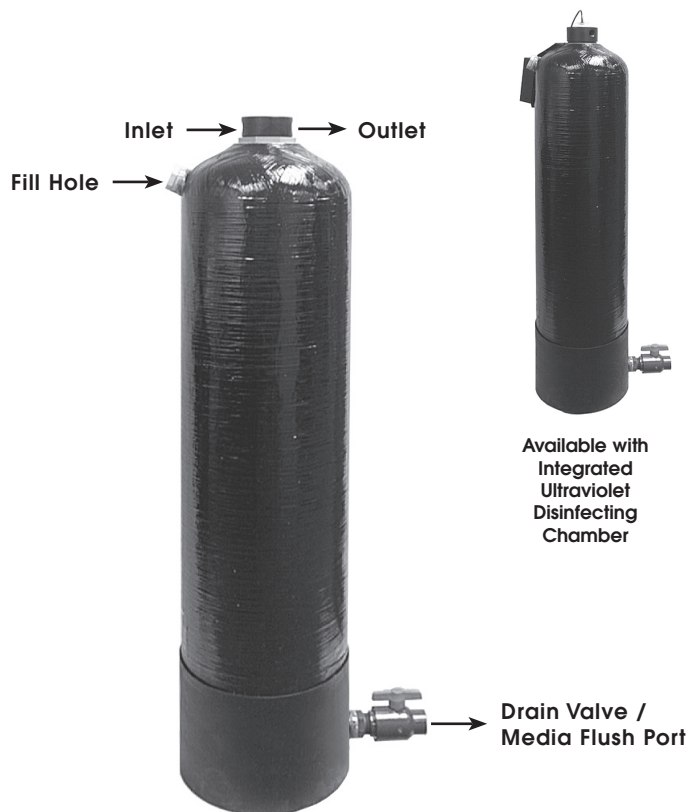


CUSTOM CARBON SYSTEMS



SWT CUSTOM GAC FILTER SYSTEMS (FOR CHLORAMINES, RADON, VOC, BOD, ETC. REDUCTION)



Applications

- Municipal induced mono-chloramines removal
- Chlorine and hydrogen peroxide removal
- Wastewater clean-up (BOD reduction)
- Gas and oil leaks
- Volatile organic and chemical compounds
- Radon removal
- Color removal
- Ultraviolet disinfecting
- Sediment filtration
- Excellent for both pre and post RO and DI filtration

SWT's Custom GAC Filter Systems with SWT's exclusive drain and media discharge ports offer versatile solutions to many health-risk and pollution problems. Designed for ease-of-use and easy carbon change-outs, these hard-working and customizable filters can be used where regular GAC filters are not enough. Safe Water Technologies' new contamination removal units are manufactured with a choice of special carbon media—sized and designed for optimum removal of chloramines, chlorine, VOC, BOD, radon, etc. At the same time these units can be used for bacteria and microorganism control as well. They also improve color, taste, odor, and the clarity of the water. SWT's Custom Carbon Systems are perfect for both residential and commercial use.

Features

- No need to disconnect plumbing to change out carbon or UV lamp
- Exclusive drain and carbon discharge ports
- Carbon refill ports
- Additional UV disinfecting chamber can be added to the unit (30,000 $\mu\text{W-sec}/\text{cm}^2$ @ 9,000 hours) for post carbon bacteria sterilization
- Custom sizes and configurations available
- Available with coal, coconut, acid washed, and catalytic carbons in a variety of mesh sizes
- All international voltages available

Available as both backwashing and non-backwashing systems. Both styles feature the option of our patented UV technology for bacteria applications. SWT's exclusive carbon-bed flush port design, drain, refill port, corrosion-proof tank, and a choice of connections are included.

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Media vs. Application Cross Reference Chart

	Bituminous Coal	Acid-Washed Coal	Catalytic Coal	Coconut Shell	Acid-Washed Coconut Shell *	Catalytic Coconut Shell
Chlorine — Residential	X	X	X	X	X	X
Chlorine — Pre RO		X				
Chlorine — Medical					X	
Mono-Chloramines						X
Radon	X					
VOC	X	X				
BOD	X	X				
H ₂ O ₂				X		
Taste and Odor	X	X	X	X	X	X
Oil and Gas	X		X			
Pesticides	X	X				
Sediment (Mesh Size Dependent)	X	X	X	X	X	X
Medical / Pharmaceutical		X			X	
Organic Color					X	X
Sulfur			X			X
Bacteria / Microorganisms	Add UV	Add UV	Add UV	Add UV	Add UV	Add UV

* Certified USP grade available.

Industry Flow Rate Guidelines (Application, Contamination Level, and GAC Mesh Size Dependent)

Part Number *	Tank Size Inches	Mono-Chloramines GPM (LPM)	Chlorine GPM (LPM)	Pesticides, VOCs GPM (LPM)	Radon GPM (LPM)	Oil, Gas, BOD GPM (LPM)	Sulfur w/ H ₂ O ₂ Inj. GPM (LPM)
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Non-Backwashing Systems

MCFN175	10 x 47	4 (15) †	10 (38) †	< 3 (11) †	4 (15) †	1.5 (5.7) †	6 (23) †
MCFN250	12 x 42	5 (19) †	12.5 (47) †	< 5 (19) †	6 (23) †	2.1 (7.9) †	8 (30) †
MCFN300	12 x 48	6 (23) †	15 (57) †	< 6 (23) †	8 (30) †	2.5 (9.5) †	11 (42) †
MCFN400	13 x 54	8 (30) †	20 (76)	< 8 (30) †	10 (38) †	3.2 (12) †	14 (53)
MCFN500	14 x 65	10 (38) †	25 (95)	< 10 (38) †	12.5 (47)	4.0 (15) †	18 (68)
MCFN600	16 x 65	12 (45) †	30 (114)	< 14 (53) †	18 (68)	5.0 (19) †	21 (80)
MCFN900	20 x 62	18 (68)	45 (170)	< 20 (76) †	25 (95)	8.0 (30) †	32 (121)
MCFN1500	24 x 71	30 (114)	90 (341)	< 28 (106) †	35 (133)	11.2 (42) †	50 (189)
MCFN2200	30 x 72	44 (167)	120 (454)	< 40 (151)	50 (189)	16.0 (61)	70 (265)

Automatic Backwashing Systems

MCFA175	12 x 42	4 (15) †	10 (38) †	< 3 (11) †	4 (15) †	1.5 (5.7) †	6 (23) †
MCFA250	12 x 48	5 (19) †	12.5 (47) †	< 5 (19) †	6 (23) †	2.1 (7.9) †	8 (30) †
MCFA300	13 x 54	6 (23)	15 (57)	< 6 (23)	8 (30)	2.5 (9.5)	11 (42)
MCFA400	14 x 65	8 (30)	20 (76)	< 8 (30)	10 (38)	3.2 (12)	14 (53)
MCFA500	16 x 65	10 (38)	25 (95)	< 10 (38)	12.5 (47)	4.0 (15)	18 (68)
MCFA600	20 x 62	12 (45)	30 (114)	< 14 (53)	18 (68)	5.0 (19)	21 (80)
MCFA900	24 x 71	18 (68)	45 (170)	< 20 (76)	25 (95)	8.0 (30)	32 (121)
MCFA1500	30 x 72	30 (114)	90 (341)	< 28 (106)	35 (133)	11.2 (42)	50 (189)

* Part Number is for systems with catalytic carbon.

† Integrated UV purifier available. UV dosage rated at 30,000 µW-sec/cm² at 10 gpm after 9,000 hrs.