

GravFlex™ Carbon Filters



Graver's Flex Carbon Filters have proven their ability to meet any water filtration problem efficiently and economically in a wide range of commercial and industrial plants.

GravFlex Filters are available in any convenient size, and with valve arrangements and control options to meet any custom or special requirements.

GravFlex Carbon Filters are easily modified to hold any common adsorption, specialty resin or metal reactive media for waste treatment and remediation applications.

Standard Design Features

- Filtration Media: 12x40 Mesh Granular Activated Carbon, Acid Washed, Coal Based
- Vessel:
 - Internal Finish: Blast SP5, NSF Epoxy Lining 10-16 MILS DFT
 - External Finish: Blast SP6, Tnemec N69F - Safety Blue
 - ASME Designed and Commercially Rated 100psig/120°F
 - Side and Top Manways (Handways 24"-36" Diameter)
 - Structural Steel Leg with Pads, Lifting Lugs, Strap Legs (24"-36" Diameter)
- Distribution:
 - Splash Plate Upper Distributor
 - Hub and Radial Lower Collector (24"-36" Diameter) with Wellscreen Over Radials
 - Header Lateral Lower Collector (42"-120" Diameter) with Wellscreen Over Laterals
- Valves:
 - Resilient Seat Butterfly Valves with Pneumatic Actuators, EPDM Seats, SST Disc/Stem
 - Backwash Flow Control - Limit Open Stops
- Instruments: Inlet/Outlet Pressure Gauges
- Controls: 110V/60Hz/1PH Local Solenoid Enclosure, NEMA 4

Optional Design Features

- Ratings: ASME Code, Seismic Anchoring, ASME B31.1 Face Pipe, NEMA 4X, CRN
- Process: Separate Source Backwash, Additional Sideshell up to 96" for added carbon volume, Media Transfer Ports
- Internals: 316 SS Upper and Lower Distribution Systems
- Pipe: 316 SS Face Pipe (Standard on 96"-120" Diameter)
- Media: Catalytic Carbon, Coconut Shell Carbon (Recommended for RO Applications)
- Valves: ASME Pressure Relief (Thermal), Limit Switches, Auto Backwash Flow Orifice Available 24"-72" Diameter
- Instruments: Bi-directional MAG Meter, Differential Pressure Transmitter, Chlorine Meter
- Controls: PLC, HMI, NEMA 4X, UL, cUL

Typical Applications:

- **Organics Adsorption**
- **Reverse Osmosis Pretreatment**
- **Chloramine Removal**
- **Chlorine Removal**
- **Heavy Metals Removal (using Graver MetSorb®) such as Arsenic, Lead, Zinc, Mercury, Uranium, and Copper**

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SPECIFICATIONS

Model No.	Flow Rates (GPM)			Nominal Dechlor Capacity @ 1 ppm mg/l	Vessel Size (in)	Carbon Volume (cu.ft)	Pipe Size (in)		Face Pipe & Internals
	Service		BW				Service	Waste	
	Adsorb	Dechlor							
CF-24x60S	11	34	31	34	24" X 60"	11.5	2	2	PVC or 316 SS
CF-30x60S	18	55	49	55	30" X 60"	18.4	2	2	PVC or 316 SS
CF-36x60S	27	81	71	81	36" X 60"	27.1	2	2	PVC or 316 SS
CF-42x60S	38	113	96	113	42" X 60"	38	3	3	PVC or 316 SS
CF-48x60S	50	151	126	151	48" X 60"	50	3	3	PVC or 316 SS
CF-54x60S	65	195	159	195	54" X 60"	65	3	3	PVC or 316 SS
CF-60x60S	82	246	196	245	60" X 60"	82	4	4	PVC or 316 SS
CF-66x60S	101	303	238	303	66" X 60"	101	4	4	PVC or 316 SS
CF-72x60S	122	367	283	367	72" X 60"	122	4	4	PVC or 316 SS
CF-78x60S	146	439	332	439	78" X 60"	146	6	6	PVC or 316 SS
CF-84x60S	173	519	385	519	84" X 60"	173	6	6	PVC or 316 SS
CF-90x60S	202	607	442	607	90" X 60"	202	6	6	PVC or 316 SS
CF-96x60S	235	704	503	704	96" X 60"	235	6	6	316 SS
CF-108x60S	307	922	636	922	108" X 60"	307	6	6	316 SS
CF-120x60S	393	1178	786	1178	120" X 60"	393	6	6	316 SS

Notes: Adsorption nominally rated at 1 gpm/cf.

Nominal dechlorination capacity based upon pH 7, 21 deg C and 1 mg/l free chlorine

Contact Us

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