



GACF Series

Granular Activated Carbon Filters

- Prefabricated Activated Carbon Systems for Liquid Applications
- Engineered for Drop in Installation
- High Surface Area Granular Carbon for High Capacity Adsorption
- Removes a Variety of Contaminants Across a Wide Range of Industries
- Fully Automated with State of the Art Electronic Control Valve



Applications

Category	Contaminants Treated
Wastewater Treatment	TOC, Tertiary Treatment
Groundwater Remediation	VOC's (such as Benzene, Toluene, Xylene), Oils, Some Chlorinated Compounds and other Organic Chemicals
Drinking Water	Chlorine, Chloramines, Taste, Odor, Disinfection By-products, TOC, Mercury
Industrial Process Water	Odor, Color, VOC's and other Organics

Max Operating Conditions

Material	Pressure	Temperature
FRP	100 psi (7 Bar)	120F (49C)
Carbon Steel	150 psi (10 Bar)	Application Dependent

General Conditions for Installation

Electrical Rating	120V AC/60Hz
Minimum Inlet Pressure	29 psi (2 Bar)
Vacuum	Not Permitted

Product Specifications

Tank Materials of Construction – Fiberglass Reinforced Plastic (FRP) or Carbon Steel (CS)

Flow Rates – Range from 1 to 635 GPM

Carbon Selection – Range of materials offered. Selection dependent upon application – consult Envirogen for guidance

Ordering Guide

Product Series	Max Service Flow	Tank Material	Connection Size	Pipe Material (Select for Carbon Steel tanks only)
GACF	4.5, 11, 18, 32, 50, 71, 96, 125, 220	FRP	¾, 1, 1.25, 1.5, 2, 3, 4, 6	S-Steel
	32, 50, 71, 96, 125, 155, 195, 238, 280, 385, 500, 635	CS		P-PVC

FRP Tank Specifications

Model #	Vessel Size		Service Flow Rate		Back wash Rate	Media Volume	Connection Pipe Size
	Dia (in)	Height (In)	Min (GPM)	Max (GPM)	(GPM)	(cu ft)	(in)
GACF4.5FRP	9	48	1	4.5	4	1	0.75
GACF11FRP	14	65	3	11	11	3	1
GACF18FRP	18	65	5	18	18	5	1.25
GACF31FRP	24	72	9	32	31	9	1.5
GACF49FRP	30	72	15	50	49	15	1.5
GACF70FRP	36	72	21	71	70	25	2
GACF96FRP	42	72	29	96	96	33	2
GACF125FRP	48	72	38	125	120	43	3
GACF220FRP	63	67	65	220	220	56	3

Carbon Steel Tank Specifications

Model #	Vessel Size		Service Flow Rate		Back wash Rate	Media Volume	Connection Pipe Size	Pipe Material
	Dia (in)	Height (in)	Min (GPM)	Max (GPM)	(GPM)	(cu ft)	(in)	
GACF32CS	24	72	9	32	30	12.5	1	PVC
GACF50CS	30	72	15	50	48	20	1.25	PVC
GACF71CS	36	72	21	71	69	28	1.5	PVC
GACF96CS	42	72	29	96	94	38.5	2	PVC
GACF125CS	48	72	38	125	123	50	3	PVC
GACF155CS	54	72	48	155	155	64	3	PVC
GACF195CS	60	72	59	195	192	78.5	3	PVC
GACF238CS	66	72	71	238	232	95	3	PVC
GACF2802CS	72	72	85	280	277	113	4	Steel
GACF385CS	84	72	115	385	377	154	4	Steel
GACF500CS	96	72	150	500	492	201	4	Steel
GACF635CS	108	72	190	635	623	254	6	Steel

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