

GACF Series

Granular Activated Carbon Filters

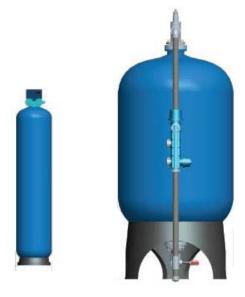
- Prefabricated Activated Carbon Systems for Liquid Applications
- Engineered for Drop in Installation
- High Surface Area Granular Carbon for High Capacity Adsorption
- Removes a Variety of Contaminants Across a Wide Range of Industries
- Fully Automated with State of the Art Electronic Control Valve

| 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

 $\begin{tabular}{ll} \textbf{Tank Materials of Construction} - \textbf{Fiberglass Reinforced Plastic} \\ \textbf{(FRP) or Carbon Steel (CS)} \end{tabular}$

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 | 34, 1, 1.25, 1.5, 2, | S-Steel |
| | 32, 50, 71, 96, 125, 155, 195, 238, 280, 385, 500, 635 | | 3, 4, 6 | 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 | |
| GACF32FRP | 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 | |
| GACF120FRP | 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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