

Centaur™ Carbon Application Guide

For Removal of Iron:

1. Volume of Centaur™ required for flow rate.

Flow Rate (gpm.)	Up to 2.0	2.1 to 4.0	4.1 to 6.0	6.1 to 8.0	8.1 to 10.0
Volume of Centaur™ in cubic feet	1	2	3	4	5

2. Ensure at least 4 ppm of dissolved oxygen is present in water by adding air with a micronizer, venturi or air pump. Injection of chlorine or hydrogen peroxide will also work.
3. Pre-wet Centaur™ for 12 hours to ensure proper wetting.
4. Backwash Centaur™ at 10 gpm per square foot every 3 days if water contains less than 1.5-ppm iron.
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5. Maximum iron concentration for Centaur™ is 12 ppm.

For Removal of Hydrogen Sulfide:

1. Volume of Centaur™ required for flow rate.

Flow Rate (gpm.)	Up to 3.3	3.4 to 5.0	5.1 to 6.6	6.7 to 8.3	8.4 to 10.0
Volume of Centaur™ in cubic feet	1	1.5	2	2.5	3

2. Ensure at least 4 ppm of dissolved oxygen is present in water by adding air with a micronizer venturi or air pump. Injection of chlorine or hydrogen peroxide will also work.
3. Pre-wet Centaur™ for 12 hours to ensure proper wetting.
4. Backwash Centaur™ at 10 gpm per square foot every 3 to 5 days.
5. Maximum Hydrogen Sulfide concentration for Centaur™ is 12 ppm.

For Removal of Chloramine:

1. Volume of Centaur™ required for flow rate.

Flow Rate (gpm.)	Up to 2.5	2.5 to 5.0	5.1 to 7.5	7.6 to 10.0
Volume of Centaur™ in cubic feet	1	2	3	4

2. Pre-wet Centaur™ for 12 hours to ensure proper wetting.
3. Backwash Centaur™ at 10 gpm per square foot as needed.
4. Minimum EBCT (Empty Bed Contact Time) is 3 minutes.
Note : Centaur™ lasts up to 3 times longer than traditional carbon for chloramine removal.

For Removal of Volatile Organic Compounds:

1. Volume of Centaur™ required for flow rate.

Flow Rate (gpm.)	Up to 1.5	1.6 to 3.0	3.1 to 4.5	4.6 to 6.0	6.1 to 7.5
Volume of Centaur™ in cubic feet	1	2	3	4	5

2. Pre-wet Centaur™ for 12 hours to ensure proper wetting.
3. Prefiltration to 5 micron recommended as backwashing avoided.
4. Use 2 tanks in series with test taps for frequent monitoring.
5. Minimum EBCT is 5 minutes.

Formula for Calculating Empty Bed Contact Time

$$\text{EBCT} = \frac{\text{Tank Diameter in Feet} \times \text{Tank Diameter in Feet} \times \text{Bed Depth in Feet} \times 5.87}{\text{Flow Rate in gpm.}}$$

For sales, assistance with applications or technical support please contact:
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