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CARBON SIZING FORMULA	
EMPTY BED CONTACT TIME (EBCT)	
EBCT In MINUTES	= $\frac{\text{BED VOLUME (FT}^3\text{)} \times 7.481 \text{ GAL/FT}^3}{\text{FLOW RATE (GPM)}}$
BED VOLUME	= $\frac{\text{TANK AREA (FT}^2\text{)} \times \text{DEPTH (FT)}}{\text{FLOW RATE (GPM)}}$
EBCT FOR SOME COMMON CONTAMINANTS	
CHLORINE	= 2 MINUTES
VOC'S	= 7 MINUTES
HYDROGEN SULFIDE H ₂ S	= 4 MINUTES
USE THIS FORMULA WHEN YOU HAVE TO DETERMINE THE AMOUNT OF CARBON YOU NEED TO TREAT ONE OF THE ABOVE THREE CONTAMINANTS	
BED VOLUME	= $\frac{\text{CONTACT TIME} \times \text{FLOW RATE (GPM)}}{7.481 \text{ GAL/FT}^3}$