

EBCT CALCULATOR

To calculate the needed amount of carbon to achieve the required EBCT, enter the flow rate in the yellow cell below

Enter your flow rate in GPM	Required EBCT in minutes	Below is the required volume of Carbon in Cubic Feet	
12.00	5	8.02	For each worker and polisher tank
12.00	10	16.04	Total amount of carbon needed

The Formula is $V=(Q*EBCT)/7.48$ where V= volume of carbon and Q=flow rate in gallons per minute

To calculate the actual EBCT, enter the flow in the yellow cell and the volume of carbon in the blue cell

Enter your flow rate in GPM	Enter your volume of Carbon, per tank	Below is your actual Empty Bed Contact Time per tank.	Meets AAMI EBCT Standard?
5.00	3.60	5.39	Yes

The Formula is $EBCT=(V/Q)*7.48$ where V= volume of carbon and Q=flow rate in gallons per minute

Created by:



NORTHWEST RENAL NETWORK

— Serving Network Area #16 —

For more information, please see www.nwrenalnetwork.org/watermanual.pdf

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