

BACKWASH RATES: Filter Media and Resin

MEDIA	Average pounds per cubic foot	Backwash Rate (gpm/sqft)
Activated Carbon	30	8-10
Anion Resin	48	2-3
Anthracite	52	8-10
Birm	45	8-12
Calcite	100	11-12
Cation Softener Resin	53	3-5
FilterAg	25	8-12
KDF	171	57lbs./box 30
Manganese Greensand	85	12-15
Sand/Gravel	100	50 lbs./bag 10-12

Example

To add 5 inches of media to the bed of a 10 inch tank, calculate in the following manner:

a) $10'' \text{ dia} = 0.045 \times 5 \text{ (inches)} = 0.225 \text{ cu. Ft. of media}$

b) To convert to number of lbs of cation resin to increase the bed by 5 inches: $53 \text{ lbs (cation resin)} \times 0.225 = 11.93 \text{ (add 12lbs)}$