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**BACKWASH VOLUME DATA CHART**  
**BACKWASH RATES: MEDIA & RESIN PER SQUARE FOOT**

MEDIA	AVERAGE POUNDS PER CUBIC FOOT	BACKWASH RATE PER SQUARE FOOT*	SERVICE RATES GPM PER SQ. FT.
Activated carbon	30	8-10	Consult EBCT Chart
Anion Resin	48	2-3	6-10
Anthracite	52	8-10	10-15
Birm	45	8-12	5-7
Calcite	100	11-12	5-7
Cation Softener Resin	53	3-5	10-20
Clinoptilite	50	14-18	
Cerapure MAC / AC	89	8-10	8
Filter Ag	25	8-12	5-7
Filter Ag Plus	25	12-18	7-10
GreensandPlus	85	12-15	5-7
KDF	171 (57 lbs. per drum)	30	5
Multi-Media **		15	5-10
Pyrolox Advantage	85	12-15	44323
Sand / Gravel	100 (50 lbs. per bag)	10-12	10-15

**Example Calculations:**

What is the backwash rate for greensand in a 10" tank?

Calculate referencing tank volume chart in the following manner:

10" diameter is 0.546 sq.ft. GreensandPlus requires 12 gpm / sq.ft.  $12 \times 0.545 = 6.55$  gpm

How many pounds of softener resin do I use to increase the bed depth by 5 inches in a 9" tank?

Calculate referencing tank volume chart in the following manner:

9" diameter is 0.037 per inch. Softener resin is 53 lbs. -  $53 \times 0.037 = 1.96$  lbs./inch.  $\times 5$  in. = ~10 lbs.

\* Backwash rates vary with water temperature. Cold water use lower value; warm water use higher value.

\*\* Garnet, Sand/Gravel, Anthracite