URBANS AQUA

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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	Contsult 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
Clinoptililte	50	14-18	
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
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 x 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 x 0.037 = 1.96 lbs./inch. X 5 in. = ~10 lbs.

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

 ** Garnet, Sand/Gravel,Anthracite

No guarantee is expressed or implied by any suggestion or recommendation. Consult manufacturer's specification prior to purchasing.