

# Nutrient Separating Baffle Box

## Removal Efficiencies and Flow Rates

NSBB Model#	Maximum Recommended Treatment Capacity	Typical recommended Treatment Capacity	80% TSS Removal For 150µm Particle Size	80% TSS Removal For 125µm Particle Size	80% TSS Removal For 75µm Particle Size	80% TSS Removal For 50µm Particle Size
NSBB-2-4	3 cfs	1 cfs	1 cfs	0.81 cfs	0.45 cfs	0.27 cfs
NSBB-3-6	6 cfs	3 cfs	3 cfs	2.47 cfs	1.35 cfs	0.63 cfs
NSBB-4-8	12 cfs	8 cfs	8 cfs	6.51 cfs	3.6 cfs	1.74 cfs
NSBB-5-10	30 cfs	15 cfs	15 cfs	12.45 cfs	7.5 cfs	3.82 cfs
NSBB-6-12	46 cfs	24 cfs	24 cfs	19.55 cfs	10.8 cfs	5.4 cfs
NSBB-8-14	60 cfs	32 cfs	32 cfs	26.09 cfs	14.4 cfs	7.7 cfs
NSBB-8-16	75 cfs	40 cfs	40 cfs	32.31 cfs	18 cfs	8.2 cfs
NSBB-10-16	100 cfs	45 cfs	45 cfs	36.78 cfs	20.25 cfs	9.9 cfs
NSBB-12-20	125 cfs	55 cfs	55 cfs	44.72 cfs	24.75 cfs	12.55 cfs

← No measurable re-suspension at these flow rates. →



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Sizing the Nutrient Separating Baffle Box is most commonly dictated by the inflow and outflow pipe size. There is no down sizing or restricting the water flow as it passes through the treatment structure. Because the direction of water flow is not being reversed within the treatment structure, head loss is minimal and approximately equal to an vault of equal size.

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