



BUBBLE BEAD® FILTER

Filter Sizing Recommendations

BBF Filter Model	XS 300A ¹	XS500	XS1000	XS2000	XS4000/ XF4000	XS6000/ XF6000	XS8000/ XF8000	XS10000/ XF10000	XF12000	XF20000
Flow Rate (gpm)	10	10	10	15	30	30	60	60	90	150
Cubic Feet Bead Media	.25	.25	.5	1	2	3	4	5	6	10
Bioclarification Aquaculture (Rates for Std. Bead/EN Media in lbs feed/day):										
>15 °C Mesotrophic Warmwater	.14/ .20	.14/ .20	.29/.39	.58/.79	1.15/ 1.57	1.73/ 2.36	2.31/ 3.14	2.88/3.93	3.46/ 4.72	5.76/7.86
Fingerling/Ornamental 10 -15 °C Mesotrophic Cool	.09/ .12	.09/ .12	.18/.25	.35/.49	.70/.98	1.05/ 1.47	1.40/ 1.97	1.76/2.46	2.11/ 2.95	3.51/4.92
Broodstock/Fry/Holding/ Conditioning Oligotrophic	.08/.13	.08/ .13	.16/.26	.31/.52	.63/1.05	.94/1.57	1.26/ 2.10	1.57/2.62	1.89/ 3.14	3.14/5.24
Bait Fish/Shrimp Holding (lbs)	9.5/ 12.5	9.5/ 12.5	18.75/ 25	37.5/50	75/100	112.5/ 150	150/200	187.5/250	225/300	375/500
Recommend Bait System Holding Volume (gallons)	37.5/50	37.5/ 50	75/100	150/200	300/400	450/600	600/800	750/ 1,000	900/ 1,200	1,500/ 2,000
Max Koi Pond Loading (lbs)	6.25	6.25	12.5	25	50	75	100	125	150	250
Recommend Max Koi Pond Volume (gallons)	200*	500	1,000	2,000	4,000	6,000	8,000	10,000	12,000	20,000
Recommend Volume of Display with Underwater Viewing (gallons)	200	300	300	450	900	1,350	1,800	2,250	2,700	4,500
Max Daily Feed Rate Solids Filtration Only	Bubble Bead Filters are Bioclarifiers and are Not Recommended for Mechanical Filtration Only at Feed Loading Rate Greater Than That Listed Above for Mesotrophic Warmwater Aquaculture.									n That Listed

¹ Aquarium Model rated for tanks up to 200 gallons. Includes pump for rapid removal of backwash water and increased vigorounes s of backwash.