


PROPELLER BEAD® FILTER SPECIALS

HIGH FLOW + ENHANCED MEDIA SIZING SPECIFICATIONS

		PBF Model	3F	5S	10S	25S	50S	100S
		Bead Media (ft³)	3	5	10	25	50	100
		Flow Rate (gpm)	45	75	150	375	750	1500
		Total Ammonia Nitrogen mg/L	Bioclarification Aquaculture Capacity for EN Media in lbs feed/day*:					
Warmwater (15-30° C)	Hardy Growout Volume (gallons)	1.5	4.8 960	8.0 1600	16.0 3200	40.0 8000	80.0 16000	160.0 32000
	Growout Volume (gallons)	1	3.6 720	6.0 1200	12.0 2400	30.0 6000	60.0 12000	120.0 24000
	Fingerling Volume (gallons)	0.5	1.8 720	3.0 1200	6.0 2400	15.0 6000	30.0 12000	60.0 2400
	Broodstock/Fry Volume (gallons)	0.3	1.2 960	2.0 1600	4.0 3200	10.0 8000	20.0 16000	40.00 32000
	Larvae Volume (gallons)	0.1	0.6 360	1.0 600	2.0 1200	5.0 3000	10.0 6000	20.00 12000
Coolwater (5-10° C)	Hardy Growout Volume (gallons)	1.5	2.4 480	4.0 800	8.0 1600	20.0 4000	40.0 8000	80.0 16000
	Growout Volume (gallons)	1	1.8 360	3.0 600	6.0 1200	15.0 3000	30.0 6000	60.0 12000
	Fingerling Volume (gallons)	0.5	0.9 360	1.5 600	3.0 1200	7.5 3000	15.0 6000	30.0 12000
	Broodstock/Fry Volume (gallons)	0.3	0.6 480	1.0 800	2.0 1600	5.0 4000	10.0 8000	20.0 16000
	Larvae Volume (gallons)	0.1	0.3 180	0.5 300	1.0 600	2.5 1500	5.0 3000	10.0 6000
Clarifier Applications*		High Flow with Limited Biofiltration						
Polished Ponds (gallons) <i>8 feet of water depth visibility</i>		1350	2250	4500	11250	22500	45000	
Standard Ponds (gallons) <i>5 feet of water depth visibility</i>		4050	6750	13500	33750	67500	135000	
Natural Ponds (gallons) <i>3 feet of water depth visibility</i>		8100	13500	27000	67500	135000	270000	
Display Aquariums (gallons) <i>for side wall viewing</i>		1350	2250	4500	11250	22500	45000	

* Custom designs typically include combinations of ozone, foam fractionation, and/or UV for algae control

Maximum feed rates are dependent upon system management and operation

PBF Specials can process flow rates of up to 1500 gpm, making them perfect for large systems that need frequent turnover for improved water clarity. Enhanced media has improved biofiltration capacity over standard media.



ABOUT BACKWASH:

Utilized at some of the largest recirculating fish production facilities, zoos, and aquariums, these units accept versatile loads ranging from low to high solids due to the active motorized backwash system.

The motorized embedded propeller is used for frequent washing of the media, removing captured solids and excess media biofloc. The sludge then settles to the bottom of the unit where it is drained, reducing water loss that is normally associated with backwash processes. With Propeller Bead filters, you will only lose 10% of the water you that you would normally lose with run-of-the-mill sand filters.