ASTFILTERS.COM

• Superior Solids Removal • Excellent Biolfiltration • Automatic Backwashes • Low Water Loss • Air Operated •



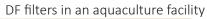
PolyGeyser® Bead Filters are the newest addition to Aquaculture Systems Technologies' line of Bead Filter Technologies. The patented PolyGeyser®stands apart from AST's other bead filter technologies primarily through its automatic pneumatic backwash mechanism.

The PolyGeyser® utilizes the same filtration mechanism as all of our bead filters, namely upward water flow through a packed bed of plastic beads. Simultaneously, air is pumped into the charge chamber at a constant controlled rate to achieve the desired backwash frequency. Once the charge chamber has reached capacity, the pneumatic trigger fires, releasing the entrained air from the charge chamber below the media bed. The sudden release of air from the charge chamber causes the beads to mix, roll and "drop" as the air agitates the beads. As the beads drop, the bed expands downward while water simultaneously rushes through the beads, effectively sweeping the solids away and into the air charge chamber below. Once in the charge chamber, the solids settle out from the backwash water and are later removed from the filter.

The pneumatic backwash strategy breaks the linkage between backwash frequency and water loss. Research has shown these filters are capable of handling biological loads greater than our other filters with a high degree of reliability and minimal water loss.

CONTACT US | 504.837.5575 108 Industrial Avenue New Orleans, 70121

Installation







MODELS	Max Flow Rate (gpm)	Cubic Feet Bead Media	Bioclarification Feed Rate (lbs/day) Enhanced media	Max Pressure (psi)	Aquarium Display Volume (gallons)
DF-3	45	3	3	10	1,350
DF-6	90	6	7	10	2,700
DF-10	150	10	11	10	4,500
DF-15	225	15	17	10	6,750
DF-25	375	25	28	10	11,250
DF-50	500	50	55	10	15,000



DF-3 Skid System