

ASTTM MDC 4000 SYSTEM

ASTFILTERS.COM

• Superior Solids Removal • Excellent Biofiltration • Low Water Loss • Airlifted Circulation • Automatic Backwash •

PROFESSIONAL DESIGNED, VERSATILE AQUACULTURE SYSTEM



Featuring Airlifted Circulation

Designed by AST filtration experts, this system is easy for you to setup and get started raising your own fish, keeping broodstock, or even culturing shrimp! AST has crunched all the numbers to ensure good filtration for a variety of applications.

Utilizing our top of the line Endurance 4000, this system will autobackwash regularly, reducing your labor and maintenance time. All the advantages of one of our best filters with an expertly designed airlift circulation. Airlift circulation provides degassing, and energy savings.

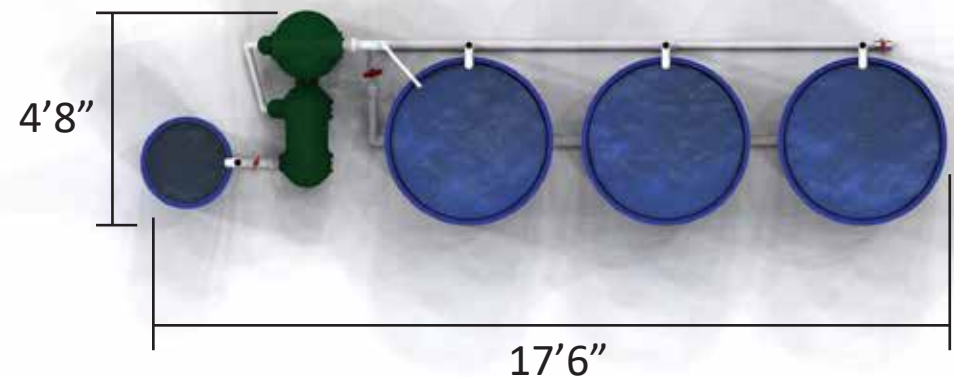
Single tank volume: 260 gallons (x3)

+

Aerobic digester: 80 Gallons

Total Volume: 860 Gallons

SYSTEM FOOTPRINT





Endurance Filter	<ul style="list-style-type: none"> • Compact PolyGeysers® for small applications • Auto-backwashing with Auto-purging features • No moving parts for greater reliability
System Operation	<ul style="list-style-type: none"> • Minimal setup, stand alone aquatic life support • Low maintenance • Airlifted circulation provides degassing and aeration
Filtration	<ul style="list-style-type: none"> • Mechanical and biological filtration in one unit • No media replacement necessary • Auto-pneumatic backwash/sludge discharge

MULTIPURPOSE APPLICATIONS

<h3>Fish Production</h3>	Feeding Rate	3	lb/day
	Fish Tank Volume	780	gallons (3 x 260)
<h3>System Power Requirements 24/7</h3> <p>Backwash Pump 0.5 amps 120V Airlift + Aeration 2.18 amps 120V</p>	Fish Supported	300	lbs
	Fish Harvest Freq.	2	Six month growout
	Annual Fish Harvest	600	lbs/year
	Stocking Density	0.38	lb fish/gal
	<h3>Plants Supported</h3>		
Decoupled Feed Req.	1.9 lb/day		
DWC Area Need	716 ft ²		
# of heads of lettuce	2506 @3.5 plants/ft ²		
Annual Plant Harvest	21,719 @six week growout		

Shrimp Production

25 ppt Salinity



Stocking Density: 5kg/m³-10kg/m³

One tank can support up to 22 lbs per 260 gallons.
Three tanks support up to 66 lbs in 780 gallons.