

ASTTM MDC 2000 SYSTEM

ASTFILTERS.COM

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

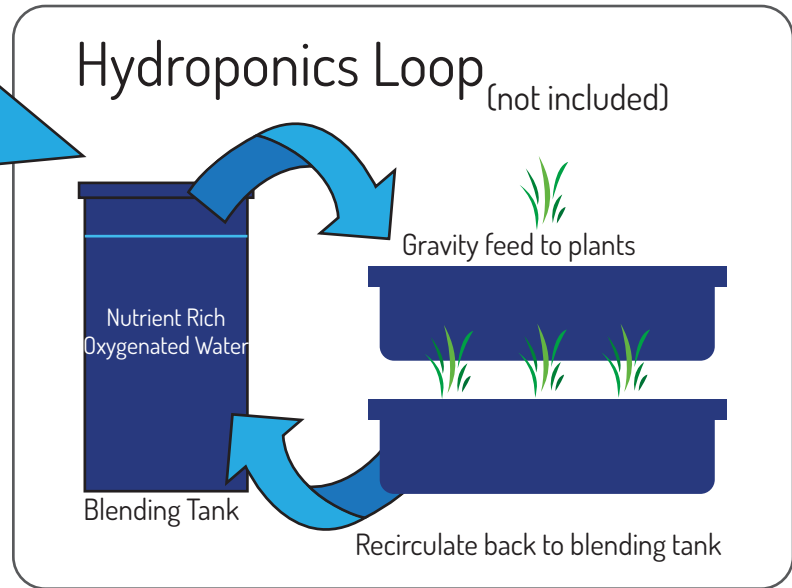
AQUACULTURE SYSTEM FOR AQUAPONICS



Looking for the best filtration for your fish? AST has over twenty five years of experience in aquaculture. Designed by AST filtration experts, this system is great for raising your own fish or keeping broodstock. This kit system makes setup simple and easy.

This system supplies the life support and main aquaculture components of an aquaponics system. For aquaponics, pair with a hydroponics system such as a DWC, media bed, or towers.

Pair with your choice of hydroponics (media, NFT, or DWC).



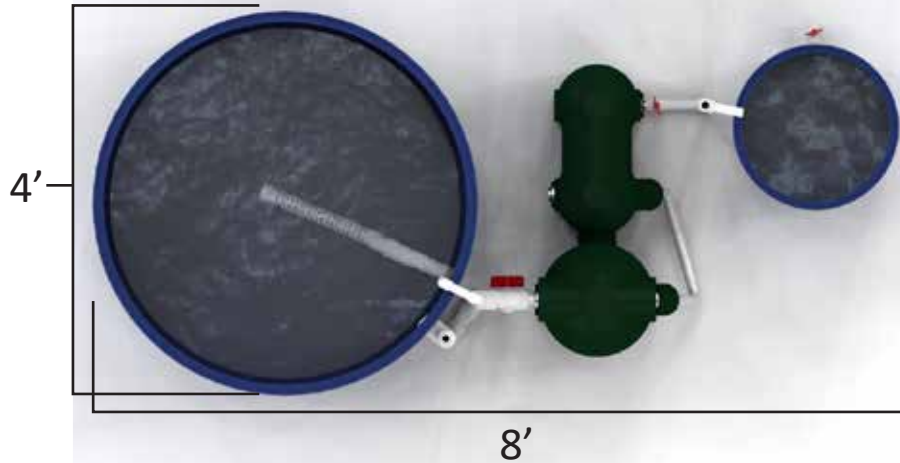
Utilizing our top of the line Endurance 2000, this system will autbackwash regularly, reducing your labor and maintenance time. All the advantages of one of our best filters with expertly designed airlift circulation. No water pump is necessary for the the aquaculture loop. Airlift circulation provides aeration, degassing, and energy savings.

The MDC System includes a culture tank plus the Endurance filter and a mineralization tank. This mineralization tank can be used to provide nutrients to feed plants. Build your own DWC tanks or grow vertically with towers. This system is flexible, providing the life support for your fish while you garden.

AGST™ MDC 2000 SYSTEM

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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



Fish Production

System Power Requirements 24/7

Backwash Pump	0.5 amps 120V
Airlift + Aeration	1 amp 120V

Plant Supported

Feeding Rate	1	lb/day
Fish Tank Volume	260	gallon
Fish Supported	100	lbs
Fish Harvest Freq.	2	Six month growout
Annual Fish Harvest	200	lbs/year
Stocking Density	0.38	lb fish/gal

Decoupled Feed Req.	1.9g per square foot
DWC Area Needed	238 ft ²
# of heads of lettuce	834 @3.5 plants/ft ²
Annual Plant Harvest	7,232 @six week growout