

# AST™ ENDURANCE™ SERIES

ASTFILTERS.COM

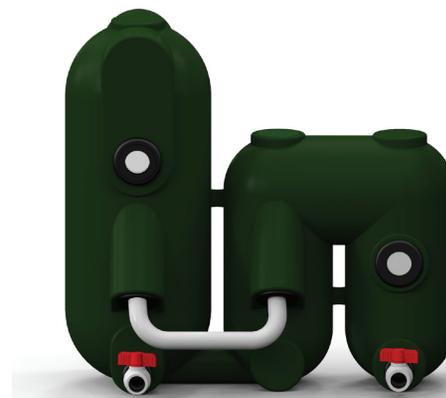
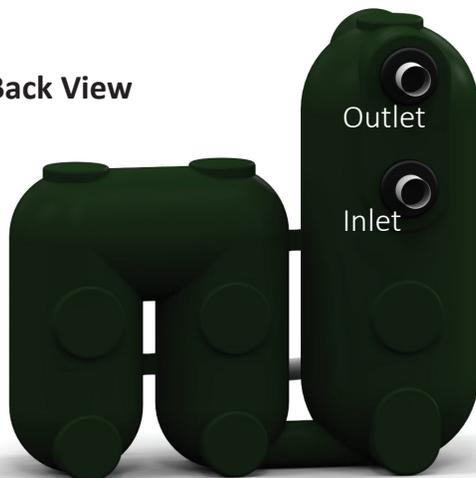
- Superior Solids Removal
- Excellent Biofiltration
- Automatic Backwash
- Low Water Loss
- Air Operated



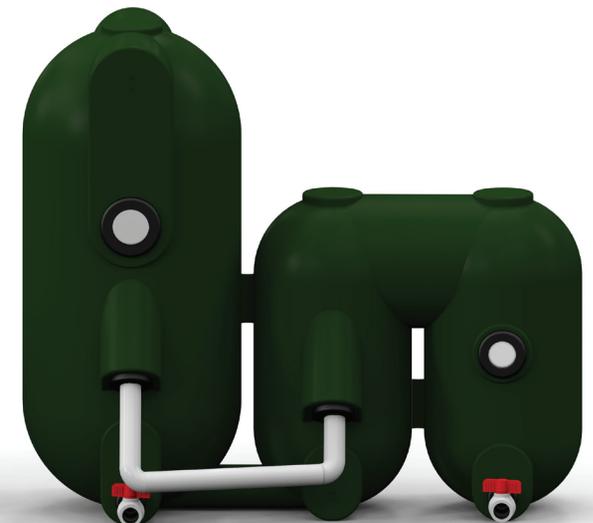
The new AST Endurance™ Series is designed for long lasting, hands-off operation. The auto-pneumatic backwashing paired with the auto sludge removal feature, enables this unit to operate for extended periods of time without intervention.

AST Endurance™ filters are ideal for tanks or ponds sizes of 500-4000 gallons. The low profile makes the filter suitable for either an airlift or pump configuration. The air driven backwash limits the water loss to the removal of concentrated sludge.

Back View



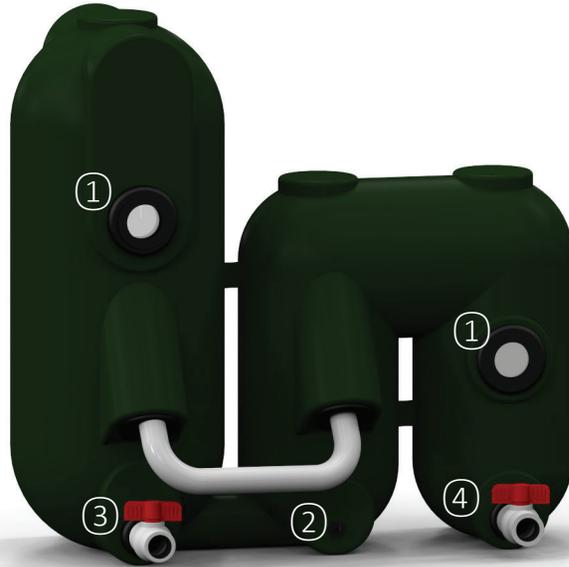
AST ENDURANCE™ 2000



AST ENDURANCE™ 4000

- US Patent No. 9,227,863
- Patent Pending
- Canada Patent No. 7989-005
- EPO No. 977,713

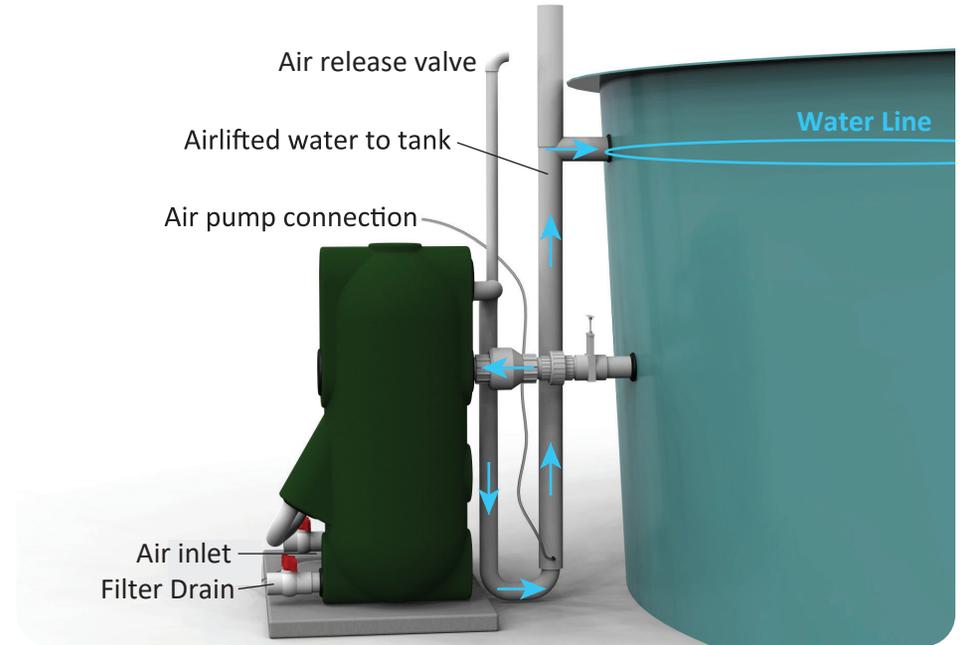
## System Overview



### Front View

- ① Viewing port
- ② Air inlet
- ③ Filter drain
- ④ Sludge outlet

## Airlift Tank Setup



<b>Key Facts</b>	<ul style="list-style-type: none"> <li>• Compact PolyGeyser® for small applications</li> <li>• Fully automated operation</li> <li>• No moving parts for greater reliability</li> </ul>
<b>Ease of Operation</b>	<ul style="list-style-type: none"> <li>• Suitable for airlift or pump configuration</li> <li>• Low maintenance</li> <li>• Optional auto-purging sludge concentrator</li> </ul>
<b>Filtration</b>	<ul style="list-style-type: none"> <li>• Mechanical and biological filtration in one unit</li> <li>• No media replacement necessary</li> <li>• Auto-pneumatic backwash</li> </ul>

ENDURANCE	MODEL 2000		MODEL 4000	
	Fingerling	Growout	Fingerling	Growout
Bead Volume (ft3)	.75		1.75	
Flow Rate (gpm)	5-10		15-25	
Max Pressure (PSI)	5		5	
Fish Supported (lbs)	20	110	43	265
Feed Rate (lbs/day)	.6	1	1.3	2.63
RAS Volume (gallons)	200	200	390	525
Koi Pond (gallons)	2000		4000	