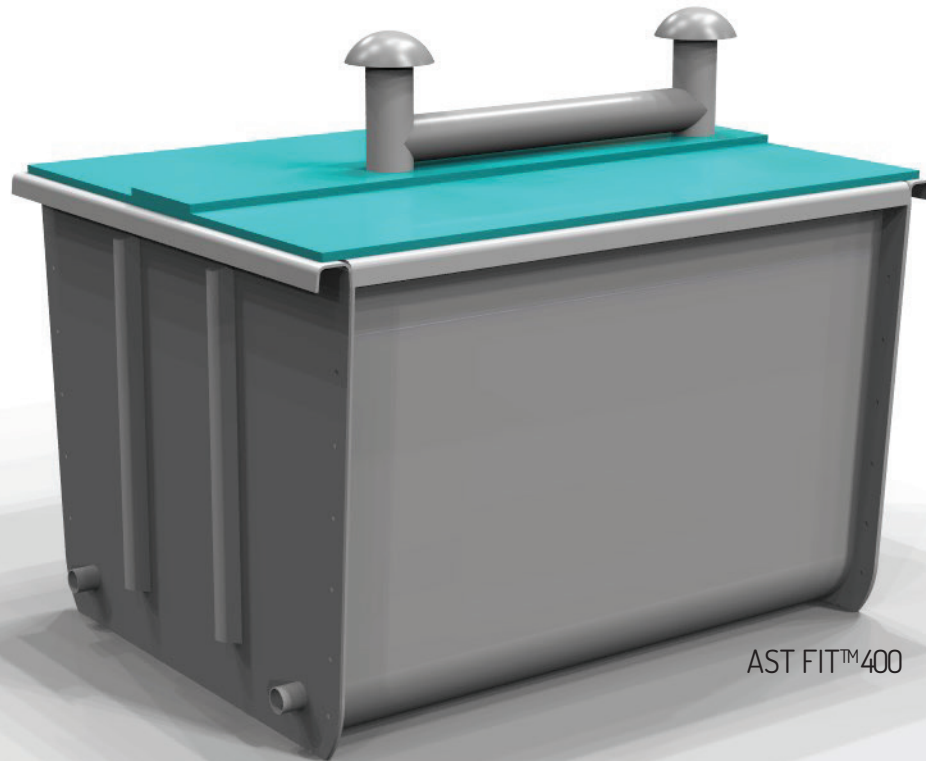


AST™ FIT™ 400 SERIES

ASTFILTERS.COM

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



AST FIT™ 400

AST FIT™ (Filter-In-Tank) Systems are suitable for growout, hatchery, bait, aquaponics, and more. These units are easy to operate and maintain, with energy savings up to 60%, compared to typical water pump filtration systems. These systems operate using air for circulation and filter operation. These efficient airlifts provide cost savings and greater reliability.

The built-in PolyGeyser® filter automatically backwashes the media, requiring only periodic sludge draining. This filter provides both mechanical and biological filtration in a single unit with minimal water loss.

The AST FIT™ 400 is designed for modularity to keep up with your growing needs. These units can be made as tanks, filters, or a combination depending on your application. Link up as many as seven units for a system volume of 2800 gallons on one filtration unit.



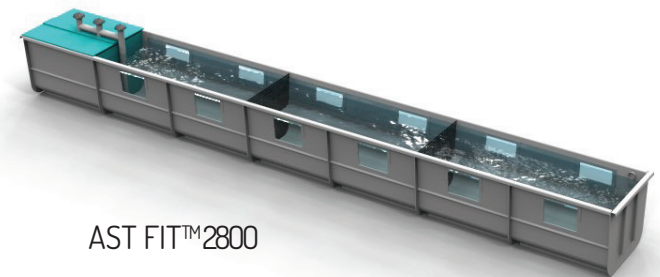
AST FIT™ 2800

Building a System

Model	Length (ft)	Tank Volume (Gallons)	Bead Volume (ft ³)	Peak Feed Rate (lb/day)		Approximate Pounds of Fish Supported* (lbs)	
				Fingerlings	Growout	Fingerlings	Growout
FIT 400	5	400	2.5	1.3	2	43	200
FIT 800	10	800	2.5	2	4	63	370
FIT 1200	15	1200	5	4	6	130	600
FIT 1600	20	1600	5	5	8	177	780
FIT 2000	25	2000	9	7	10	223	1000
FIT 2400	30	2400	9	7	12	227	1200
FIT 2800	35	2800	9	7	13	227	1340

Table based on TAN levels below 1.5 and 0.5 for growout and fingerling production respectively

*Based upon a 1% and 3% daily feed rate for growout and fingerling production respectively



AST FITTM2800

Complete System	<ul style="list-style-type: none"> • Minimal setup, stand alone aquatic life support • Operates on low pressure air supply • No water pumps necessary
Operation	<ul style="list-style-type: none"> • Auto-pneumatic backwash • Airlifted circulation provides degassing and aeration • Total unit volume of 400 gallons
Filtration	<ul style="list-style-type: none"> • No moving bed bioreactor needed • Integrated mechanical and biological filtration • Concentrated sludge reservoir

