



CONTAINERIZED FRESHWATER RAS FILTRATION SOLUTION

ADVANCED RAS CONTAINERIZED FILTRATION



- Designed for:
 - *Tilapia (Oreochromis aureus)*
 - *Nile Perch (Lates niloticus)*
 - *Catfish (Ictalurus spp)*
 - *Pangasius*
- Annual 50 Tons
 - 2 Production Cycles (2*25 Tons)
- Turnkey Factory Tested

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DESCRIPTION

10 YEARS
WARRANTY

SPARE PARTS
PACKAGE
INCLUDED

DISPATCH IN
45 DAYS

A complete RAS treatment inclusive of processes and equipment based on feed water of potable standards, capable to deliver efficient, high-quality and scalable RAS treatment solution for modern land based freshwater fish farms. This makes ERS-50 the ideal RAS package plant for fast and hassle free installation.

Fully equipped Freshwater RAS container designed to support an annual production of up to 50 tons of land based farmed fish.

The RAS system is fully tested at our factory, is corrosion treated, insulated and equipped with cabin light, air filtration and antislippery floor.



FULLY ASSEMBLED & FAT TESTED EQUIPMENT



The **ERS-50** includes the below components **fully assembled** and **FAT tested**:

- Mechanical Filtration
- Drum Filter
- Degasification System
- Biological Filtration
- Disinfection System
- Feed pump
- Control cabin
- Electrical Cabin
- Ambient Air filtration
- Paddle Flange Connectors



ERS-50

SPECIFICATIONS

ERS-50		
Footprint [mm]	Depth	12190
	Width	2440
Max Height	[mm]	2900
Balance Water Volume	[L]	3500
Basic Configuration Dry Load	Kg	6500
Basic Configuration Operational Load	Kg	24900
SKID Nominal Flow	m ³ /h	500
Max. Allowable TDH at Nominal Flow	m	12
Installed Pump Power	[kW]	22
Installed Blower Power	[kW]	15
Installed Drum Power	[kW]	2.2
BC Total Installed Power	[kW]	40
BC Electric Consumption	[kWh/hr]	34
Supply Voltage (50Hz)	[V]	380 - 3Phase
Bio-Media Specific Surface Area	m ² /m ³	4500
Bio-Media Volume	m ³	6.5
MBBR Chamber Volume	m ³	13.5
Fish Biomass Capacity @ 25C with %10 Daily Water Change	[gr TAN/day]	14500
Daily Food Capacity with 30% Protein @ 25C with %10 Daily Water Change	Kg	400



SITE REQUIREMENTS

RAS plant arrives ready for start-up and requires only connection to electricity, pipe & drain utilities.



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