

# Mata<sup>TM</sup> Solids Waste Interceptor



Mata is a single-family home solid waste interceptor for primary wastewater treatment. Unlike bulky septic tanks that require expensive excavation, Mata is an aboveground separation product installed as a part of a home's building drainage system, reducing installation cost and project delays.

## Features

- 1:1 Septic tank replacement
- Excavation free, affordable installation
- Works with conventional plumbing fixtures
- Wifi enabled for remote monitoring
- IAPMO z1167 Listed Product
- Activated carbon filtered air vent

## Performance Testing

Results of third-party water and odor testing were conducted by the University of Hawai'i.

### Blackwater Solids Removal Efficiency

Total Suspended Solids: 90% Removal

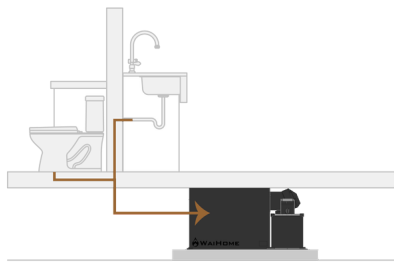
BOD5: 87% Removal (Solid Fraction)

Total Nitrogen: Up to 47% Removal (Solid Fraction)

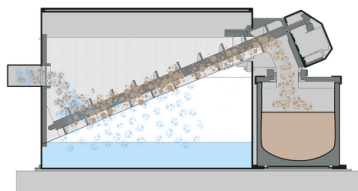


## How Mata Works

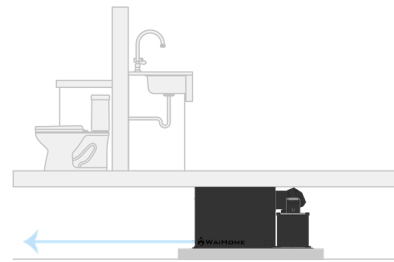
Wastewater flows into the Mata via the 3" inlet.



A screen separates solids while liquids drain to the bottom of the separator tank. An auger diverts solids to the solids bin for drying.



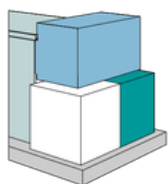
Separated liquids are pumped out via the effluent pipe to disposal.



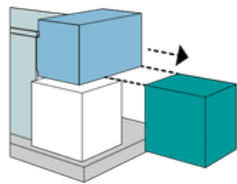
## Solids Bin Exchange

Solids bin to be exchanged every 2 - 12 weeks.

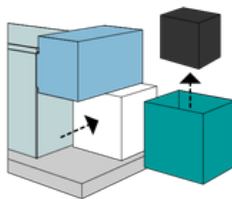
Empty Bin Weight: 10lbs (4.5 KG) || Dehydrated Solids Weight: 20 lbs (9 KG)



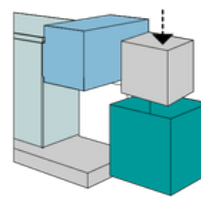
Mata runs for 4-12 weeks.



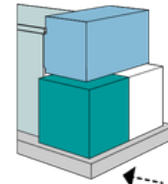
Remove solids bin with aged solids.



Withdraw aged solids.  
Slide fresh bin over for aging.



Insert new solids bag.



Position empty bin to receive fresh solids.

## Technical Specifications

**Dimensions** | 28"H, 28"W, 51"L.

**Weight** | 125 Lbs (57 kgs).

**Power** | 120 V

**Max Amps** | 5.25 A

**Normal Power** | 20W

**Heater Power** | 300W (intermittent)

**Flow Assist Pump** | 1/4 HP with gravity overflow

**Material** | LDPE, Fiberglass, PVC



## Design Capacity

Max Capacity: 3 Bedrooms

Max Instantaneous Flow: 21 gpm

