# Simplicity™

SIMPLE • EFFECTIVE • AFFORDABLE

## WASTE / ORGANIC SOURCE

fish food, fish poop, dead organisms, other sources

## LARGE PARTICLE WASTE REMOVAL

filter socks

filter floss

filter pads

## SMALL PARTICLE WASTE REMOVAL

protein skimming

active carbon

## DECOMPOSITION

## NITRIFICATION PROCESS

$NH_3$ → $NO_2^-$ → $NO_3$

ammonia → nitrite → nitrate

## PHOSPHATE

$PO_4^{3-}$

phosphate

## CARBON DOSING

Food source for bacteria that consume Nitrate & Phosphate

vodka

sugar

vinegar

biopellets

## RUN GFO

to remove excess Phosphate