



SludgeHammer.net  
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**SludgeHammer®**  
nature called. we answered.

## USAGE

The S-46, S-66, and S-86 are part of our residential wastewater treatment product line. They restore failing leach fields, bullet-proof existing septic systems, and can provide advanced treatment where NSF/ANSI Standard #40/Class 1 is not required.

The S-86 system is also the backbone of SludgeHammer commercial treatment systems. Typically used in conjunction with our Medusa diffusers and recirculation pumps. The S-86 allows us to engineer solutions for high-strength waste, such as restaurants, food processors, wineries, large communities, etc.

## THE SCIENCE

The SludgeHammer Blend™ revolutionizes residential septic system function. Soil absorbs waste through microbes in the ground that consume organic material. The microbes thrive in oxygen-rich environments. Without oxygen, something called biomat is produced — a slime that clogs the soil. Clogged soil causes residential septic systems to fail, which means they can no longer treat the wastewater produced by your household.

## THE STATS

It is estimated that 95% of all septic system failures are caused by biomat clogging. SludgeHammer technology is rigorously tested and certified to restore leach systems clogged by organic biomat through testing under IAPMO/UPC IGC180-2003. SludgeHammer is the **ONLY** technology listed on the market that holds the IAPMO/UPC standard.

## THE SOLUTION

- Eliminate leach field clogging and optimize septic function with the SludgeHammer line of aerobic bacteria treatment systems.
- Extend the life of new leach fields
- Utilize alternative designs and take advantage of the nutrient-rich wastewater with drip irrigation or surface spray
- Drastically reduce the need for septic tank pumping
- Decrease or eliminate destructive property repairs



	residential <b>S 66</b>	residential <b>S 46</b>	commercial <b>S 86</b> residential <b>S 86</b>
<i>Usage:</i>			
Home size	up to 3 bedroom	up to 3 bedroom	4 or more bedrooms
Platform	Residential	Residential	Residential/Commercial
<i>Dimensions:</i>			
Column diameter at top	8 3/8 in	12 in	12 in
Column diameter at base	9 in	15 in	15 in
Total height	36 in	36 in	36 in
Total weight	31 lbs	42 lbs	42 lbs
<i>Electrical:</i>			
Electrical service	120 VAC 60 hz - 15 amp	120 VAC 60 hz - 15 amp	120 VAC 60 hz - 15 amp
Power draw	51 watts ~ .425 amps	51 watts ~ .425 amps	71 watts ~ 1.5 amps
Air delivery rate	2.0 CFM at 2.5 psi	2.4 CFM at 2.0 ps	3.0 CFM at 2.0 psi
Liquid mixing rate at 4' depth	21,540 gpd	22,600 gpd	37,000 gpd
Organic digestion rate	1 lb/BOD/day	1.0 - 1.5 lb/BOD/day	2.5 - 3.0 lb/BOD/day
<i>Tanks:</i>			
Minimum depth of tank	40 in	40 in	40 in
Maximum depth of tank	60 in	60 in	60 in
DOUBLE or SINGLE chamber tanks	min 500 gal max 1,500 gal	min 500 gal max 1,500 gal	min 800 gal max size to load (residential applications)