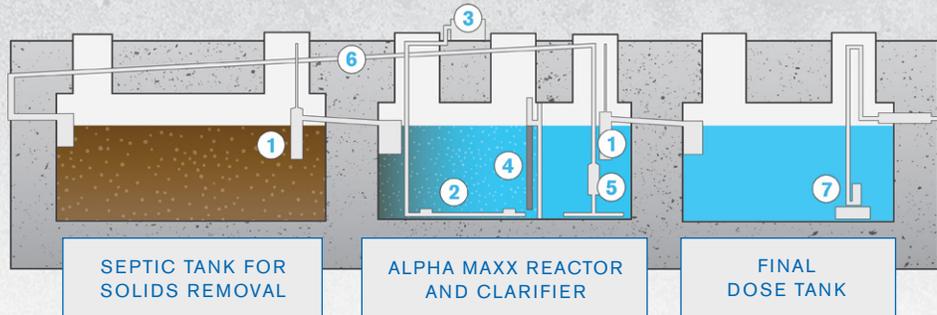


WEXCO ALPHA MAXX HIGH STRENGTH WASTE TREATMENT

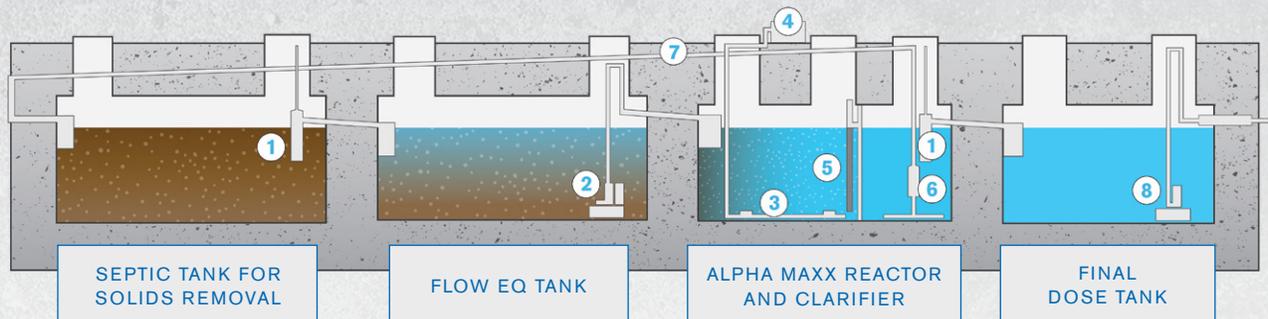
GRAVITY FLOW



1. EFFLUENT FILTER 2. AIR DIFFUSER 3. BLOWER & HOUSING 4. MEDIA SEIVE
5. AIR LIFT SLUDGE RETURN PUMP 6. SLUDGE RETURN LINE 7. DOSE PUMP(S)

Gravity flow systems are ideal for **small or consistent flow applications** due to their simplicity. An air lift return pump recycles effluent to create a consistent flow through the system while improving effluent quality.

FLOW EQUALIZATION



1. EFFLUENT FILTER 2. TIME DOSE PUMPS 3. AIR DIFFUSER 4. BLOWER & HOUSING
5. MEDIA SEIVE 6. AIR LIFT SLUDGE RETURN PUMP 7. SLUDGE RETURN LINE 8. DOSE PUMP(S)

Flow equalization features a tank that holds wastewater for a specific period of time. A timer controlled pump doses a specific amount of the wastewater into the treatment system each day, providing a **steady feed rate** and ensuring optimal treatment.

THE **BENEFITS** OF HIGH STRENGTH WASTE TREATMENT

Small footprint.

Quick, economical installation.

Large surface area of biofilm carriers compared to other treatment technologies.

(Means you can do more in a smaller space)



Biofilm growth on media surface

Retrofit capabilities. *(in existing tanks)*

Can be designed for high strength and variable BOD loading.

Self-regulating biofilm ensures stability under shock loading conditions.

Operator friendly, and virtually maintenance free.

Passive denite with return sludge pump.

Can pretreat ahead of existing treatment if loading is too high.

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ALPHA MAXX

THE **SMARTER** TREATMENT SOLUTION

Wexco Alpha Maxx (moving bed bioreactor) utilizes small biofilm carriers which provide a stable home for large populations of bacteria to grow and treat the wastewater. That, coupled with time tested aeration equipment, creates an **efficient treatment process** which can be used in most applications.



WHY USE ALPHA MAXX?

Can work for small flows (hundreds of gallons per day) and **easily scales** to large flows (million gallons per day).

Flexible install, below ground fiberglass or concrete tanks, above ground steel, concrete, or fiberglass tanks.

High density of bacterial growth due to large surface area of media.

Expandable if flows or loading increases.

Add pretreatment to or expand existing systems without tank installation.

Works well in **cold climates**.

SIMPLE. EFFICIENT. CLEAN WATER.

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